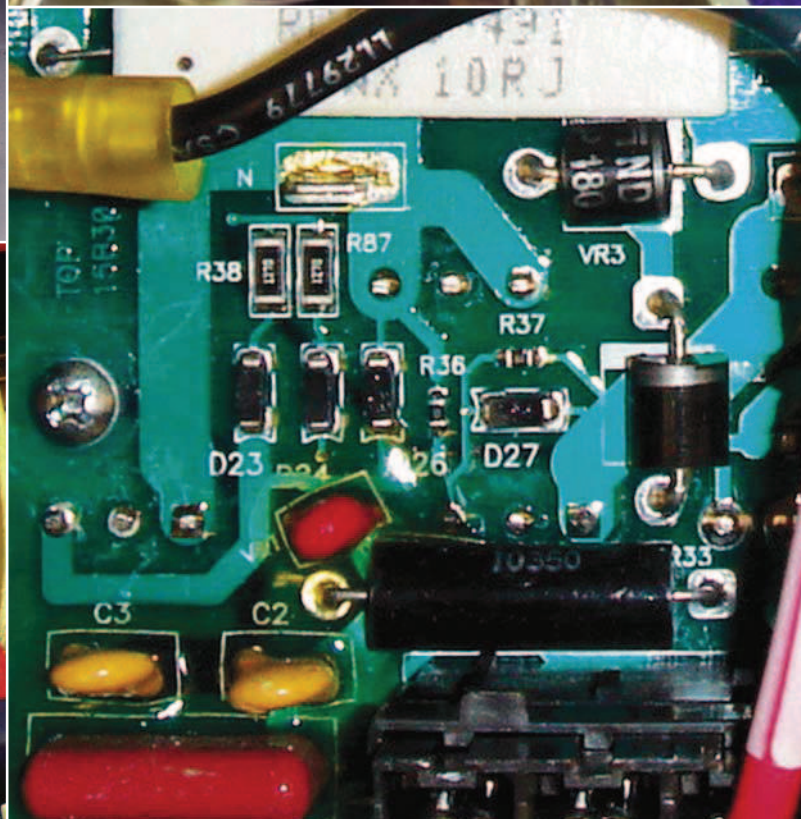
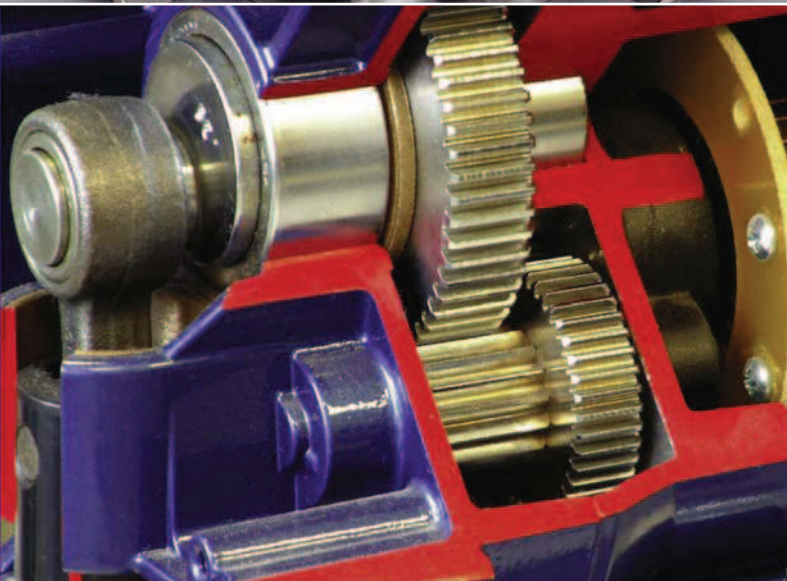
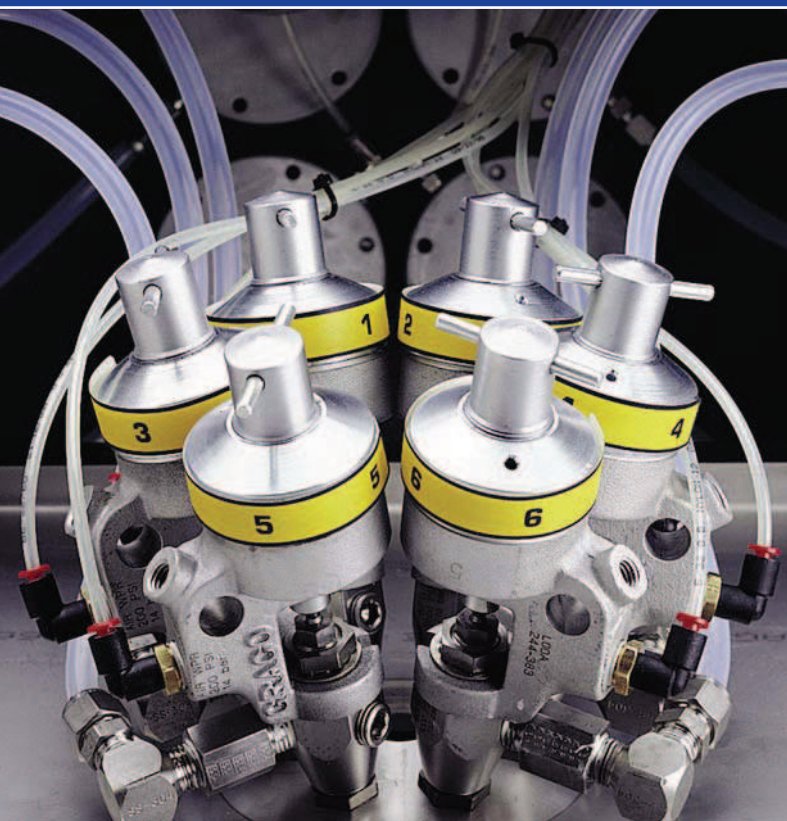




PRODUCT SELECTION GUIDE

Equipment, Spare Parts & Accessories



PROVEN QUALITY. LEADING TECHNOLOGY.



Graco Product Guide

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Chapter 1a

Pneumatic Piston Pumps (prior model)

- Fast-Flo® / Fast-Ball® / Standard Pump
- Monark®
- President®
- President Check-Mate®
- Senator Sanitary®
- Bulldog®
- King®
- Ink Pum
- Premier®
- Glutton™

Chapter 1b

Pneumatic Piston Pumps (new generation)

- NXT™
- Xtreme®
 Air Motor 2200cc / 3400cc / 6500cc
 "carbon Steel"
 - Cart & Wall - mount Units
 - Wall mount packages
 - Pumps (Air motor & Lower)
 - Lower
 - Accessories
- Dura Flo
 "StainlessSteel"
 - Cart & Wall - mount Units
 - Wall mount packages
 - Pumps (Air motor & Lower)
 - Lower
 - Accessories
- High-Flo®
 "LR (LargeRange)" MR (MidRange)"
 - Wall mount packages
 - Pumps (Air motor & Lower)
 - Lower
 - Accessories
- E-Flo Pump
- RAM Station
- CheckMate®
 (configurator) E-Motor & Lower
 (configurator) Complete Ram / Tandem System
 "StainlessSteel"
 - CM- Pumps (Air motor & Lower)
 - CM- Pump Packages
 - CM-Lower
 - Dura Flo (Ram)
 - Ram Accessories

Chapter 1c

NXT™ new Merkur

- Merkur™
 NXT® Air Motor
 - Lower
 - Pumps
 - Spray Packages **(configurator)**
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 - Accessories
- Merkur™
 Bellow Bellows Pumps
 - Spray Package
- Merkur™
 ES Air Motor ES
 - Lower
 - Spray Package
 - Accessories

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- Warm Melt

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- High Sanitation pumps
- High Sanitation pumps (1590)
- High Sanitation pumps (3150)
- Saniforce piston pumps
- Saniforce RAM package
- Saniforce BIN systems

Chapter 2

Hydraulic Piston Pumps

- Viscount®

Chapter 3

Electrically operated Units (CED)

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- STMax, FinishPro
- Ultra®Max II, Mark V™, Mark X™
- T-Max™, GTX™, RTX™ (Texspray)
- GM 1030, HTX 2030
- Turboforce™ HVLP turbine units

Chapter 4

Petrol operated Units (CED)

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- Presssure washers + accessories

Chapter 5

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 - 308, units
- 3D150, 3:1 Pump
- 3D350, 3:1 Pump



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- **XP70S** **Plural-Component Sprayer** (Fixed Ratio)
Cart mounted,
Bare proportion pump Package
- **Promix® 2KE** (Variable Ratio, 0,1:1 – 30:1)
Pump based Unit
Meter based Unit
- **XM Plural** **Component Sprayer** (Variable Ratio 1.1 – 10:1)
(configurator Unit) (50:1 & 70:1 Pressure Ratio)
- **ProMix™ 2KS** **(configurator Unit)** (Variable Ratio 1.1 – 50:1)
- **ProMix™ 3KS** **(configurator Unit)**
- **Reactor®** **E-10, E20, EXP1, EXP2, E20, E30, H25, H40, HXP3,**
- **Reactor®** **H-VF**
- **HFR™** **(configurator Unit)**
- **Guns** **for two component unit's**

Chapter 6a

GlasCraft FRP Unit's

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- **ProBatch™** Electronic batch dispensing System
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- **PCF** Metering System

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- Dispense valves & snuffer guns Fluid needles**
- **Electrostatic** ProXS2 , ProXS3, ProXS4, ProXS4AA, ProXS Auto, ProXS WB
- **Finex** Air Spray Gun
- **AirPro™** EFX Automatic Spray Gun, Spray Gun
- **HVLP** EDGE Gun (Turbo Force)
- **Razor** Gravity & Siphon Feed Gun
- **Air Spray** Hand Gun
- **AirPro™** Automatic Gun
- **Airless guns** Silver gun, XTR5 / XTR7, Contractor, FTX, Automatic gun
- **AA & guns** G15 / G40 / AA30, Automatic AA Gun
- **Extrusion gun**
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- **Brushes & Fluid nozzles**
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Chapter 15	Wall & Drum Brackets, Suction Kits
Chapter 16	Agitators
Chapter 17	Heaters
Chapter 18	Pressure Pot
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Chapter 20	Drum Covers, Follower Plates
Chapter 21	Technical data Motors and Lowers / Lubricants / Tools
Chapter 22a	Hoses, - Hoses - Hose accessories
Chapter 22b	Fittings, Swivels, Valves - High and low pressure fittings - Ball dump valve material - Air-valve, fittings - Material & valve swivels - Hose couplings
Chapter 23	Tips, Nozzles, Airless, Accessories
Chapter 24	(Peristaltic Pumps) Hose Pumps
Chapter 25	Lube

Technical Data

All information is subject to change without notice.
Santoprene® (TPE) trademark belongs to Exxon Mobil.
Kynar® (PVDF) trademark belongs to Atochem North America, Inc.
Viton® (FKM) trademark belongs to DuPont
All other trademarks mentioned in this catalogue belong to Graco Inc.

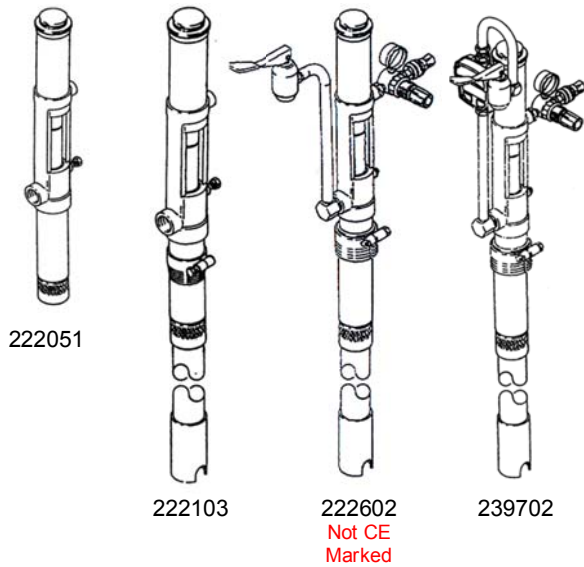


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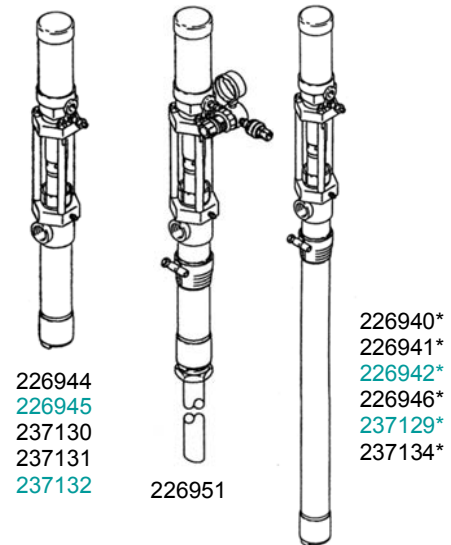
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Fast-Flo – Pump	1:1
Fast-Ball – Pump	1:1
Standard – Pump	2:1
T1 Transfer – Pump	2:1
T2 Transfer – Pump	2:1
Monark – Pump	2:1, 5:1, 10:1, 15:1, 23:1 (Sanitary 5:1)
President – Pump	2:1, 3:1, 4:1, 10:1, 15:1, 20:1, 30:1, 46:1,
Senator – Pump	(Sanitary 4:1, 4,3:1)
Bulldog – Pump	3:1, 12:1, 31:1, 55:1, (Sanitary 10:1)
King – Air Motor	
Premier – Pump	34:1, 45:1, 67:1, 74:1, 39:1, 80:1
Ink – Pump	0,5:1
Glutton – Pump	4:1, 12:1, 25:1

FAST-FLO, FAST-BALL & STANDARD PUMP/EQUIPMENT

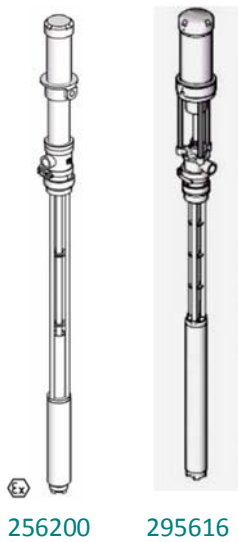
Fast-Ball



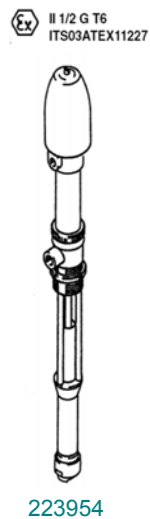
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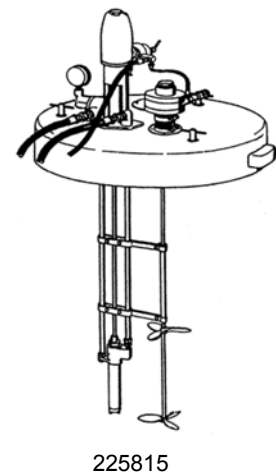
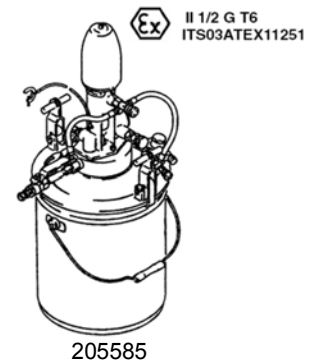
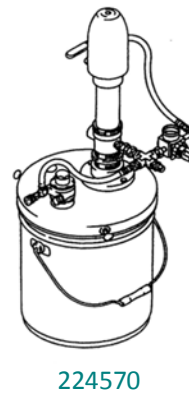
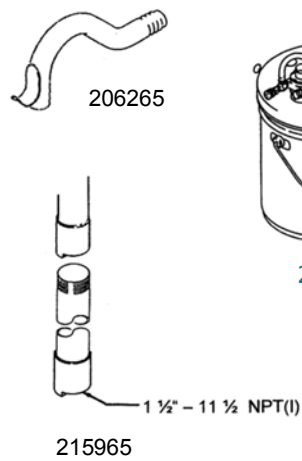
Delivery Pump



Standard



Accessories





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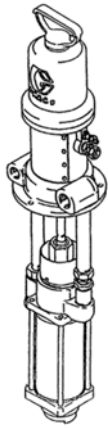
Chapter 1a

FAST-FLO, FAST-BALL & STANDARD PUMP/EQUIPMENT

Part No.	Description	Accessories	Rep Kit Lower	Application	Manual EC-Decl.
222051	1:1 Fast Ball, Short, CS (polyurethane./ leather/ rubber)	bare pump, for pump extension see page 84/85	247431	Delivery (Oil)	307906
222103 EC	1:1 Fast Ball, 200 l, CS (polyurethane./ leather/ rubber)	pump with extension, bung - mount pump 200L drum	247431	Delivery (Oil)	307906
226944 	1:1 Fast Flo, Short, CS (PE)	Air needle valve, quick-disconnect Motor 215963 (307456), Lower 215957	215964	Delivery	307427 199108
237130 	1:1 Fast Flo, Short, CS (leather)	Air needle valve, quick-disconnect Motor 215963 (307456), Lower 237254	213012	Delivery	307427 199108
237131 	1:1 Fast Flo, Short, CS (PTFE)	Air needle valve, quick-disconnect Motor 215963 (307456), Lower 237255	213013	Delivery	307427 199108
226945 	1:1 Fast Flo, Short, SST, (PE)	Air needle valve, quick-disconnect Motor 215963 (307456), Lower 215958	215964	Delivery	307427 199108
237132 	1:1 Fast Flo, Short, SST, (PTFE)	Air needle valve, quick-disconnect Motor 215963 (307456), Lower 237256	213013	Delivery	307427 199108
226941 	1:1 Fast Flo, 200 l, CS (PE), bung hole adapter	Air needle valve, quick-disconnect Motor 215963 (307456), Lower 215954	215964	Delivery	307427
226940 	1:1 Fast Flo, 200 l, CS (leather), Bung	Air needle valve, quick-disconnect Motor 215963 (307456), Lower 215953	213012	Delivery	307427
237134 	1:1 Fast Flo, 200 l, CS (PTFE), bung hole adapter	Air needle valve, quick-disconnect Motor 215963 (307456), Lower 237449	213013	Delivery	307427
226946	1:1 Fast Flo, 200 l, CS, PTFE bung hole adapter airtight	Air needle valve, quick-disconnect Motor 215963 (307456), Lower 217383	213013	Delivery Isocyanate	307552 190854
226942 	1:1 Fast Flo, 200 l, SST, (PE), bung hole adapter	Air needle valve, quick-disconnect Motor 215963 (307456), Lower 215955	215964	Delivery	307427
237129 	1:1 Fast Flo, 200 l, SST, (PTFE)	Air needle valve, quick-disconnect Motor 215963 (307456), Lower 237253	213013	Delivery	307427
226953 not shown	1:1 Fast Flo, 200 l SST, (rubber) bung hole adapter	Air needle valve, quick-disconnect Motor 215963 (307456), Lower 220440	213112	Delivery	307427
226951	1:1 Fast Flo Adj., CS, (rubber) bung hole adapter	Air control, quick-disconnect, telescopic extension, Buna N - O-Ring Motor 215963 (307456), Lower 218116	218012	Delivery	307427
256200 	2:1 Delivery pump, SST	for delivery Polyurethan, Polyurea 95cm ³ / cycle	247967	Delivery Isocyanate	312766 199250
295616	2:1 Delivery pump, SST	for delivery Polyurethan, Polyurea, and not flammable materials 239cm ³ / cycle	258003	Delivery Isocyanate	311882 199220
223954 	2:1 Standard, Short SST,(PTFE)	Bare Pump Motor 223953 (307851), Lower 223955	224005	Delivery	307026
222602* Not CE marked	1:1 Fast Ball, 200 l, (for 60 l, change the suction tube)	Air control Kit, 1,8m Air hose, valve kit (Pump 222103)		Delivery	307637
239702	1:1 Fast Ball, 200 l,	Air control Kit, 1,8 m air hose, valve kit (Pump 222103)		Delivery	307637
225815	2:1 Standard, 200 l, circulation pump	Pump, cover, agitator, hose set (Pump 204456)		Delivery	306560
224570	2:1 Standard, 19 l, 5 gal, Duo, SST	Pump, cover, agitator, (Pump 223954)		Airspray	308211
205585 	2:1 Standard, 19 l, 5 gal, CS, (UHMWPE)	Pump, cover, agitator, return throttle (Pump 205595)	207848	Airspray	306713
206265	Discharge tube 3/4" galvanized steel				307427
215965 not shown	Pump extension 265 mm, 1 1/2" NPT(m) and 1 1/2" NPT(f)	e.g. 226940 for 1040 litre containers			307459

Notice: 2:1 Standard Pump
- recommend only for use in bins
- not for wall mount (Packing dribble)

MONARK



223185
223186



261630



224343
224345
247147



902147

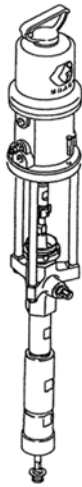


239327
223844
223596
237958

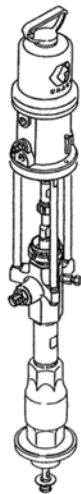


224350
218956

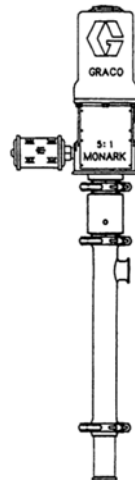
Check-Mate



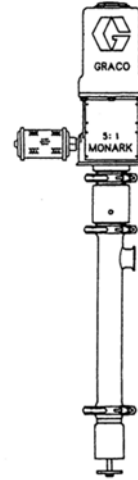
222782



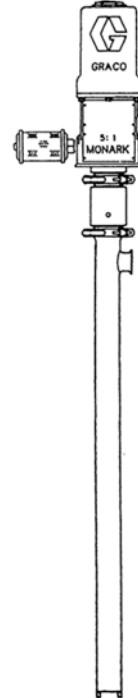
222770



965520
954383



952793



207550
903035

Sanitary



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Chapter 1a

MONARK

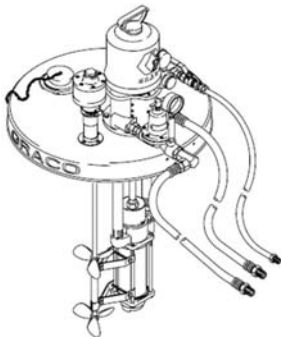
	206955 for stanchion Tube mounting 205997 Series K 215363 Series D 222791 Series D for 3 tie rod mounting Technical Data: Max Working Pressure: 12 bar Effective piston area: 45,5cm² Effective piston diameter: 76,6mm Stroke: 76,6mm Weight: 5,9Kg Air inlet: 3/8" NPT Air volume per cycle: 0,7 liter	206728 Repair Kit Air Motor 215354 Muffler (307361) (not for inliner or sanitary) 241953 Muffler conversion Kit (new Monark – Standard 92)
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MONARK

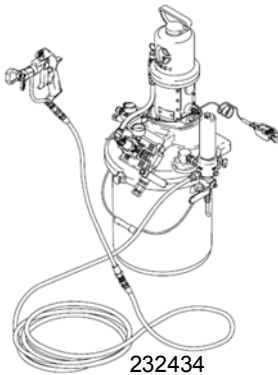
Part No.	description	Accessories	Rep Kit	Application	Manual
223186🔗	2:1 Monark, short,	Bare pump (UHMWPE / leather)	223320	Transfer	307985
223185🔗	2:1 Monark, 200 l,				307985
224345🔗	5:1 Monark, short, SST	Bare pump (UHMWPE/Rubber)	224402	Transfer, cleaning	308117
224343🔗	5:1 Monark, short, SST	Bare pump (UHMWPE/PTFE)	224401	Transfer	308116
261630🔗	5:1 Monark, short, SST	similar 224 343 but 1½" inlet			308116
247147🔗	5:1 Monark, short, SST	Bare pump (PTFE)			308116
902147🔗	5:1 Monark, short, SST	Bare pump (PTFE) with riser			308116
224350🔗	5:1 Monark, 200 l, SST	Bare pump (UHMWPE/PTFE)	224403		308118
218956	5:1 Monark, 200 l,	Bare pump (PTFE)	208520		307044
222770	10:1 Monark, CM 450	Bare pump (UHMWPE/PTFE)	222774		Transfer, Extrusion
239327🔗	15:1 Monark, short,	Bare pump (PTFE/leather)	235635	Airless coating	306981
223844🔗	15:1 Monark, short, SST	Bare pump (PTFE/leather)			308106
223596🔗	23:1 Monark, short,	Bare pump (leather + 1x PTFE)			239328
237958🔗	23:1 Monark, short, SST	Bare pump (leather + 1x PTFE)	235636		307619
222782	23:1 Monark, CM200,	Bare pump	222785	Transfer, Extrusion	308080

MONARK SANITARY

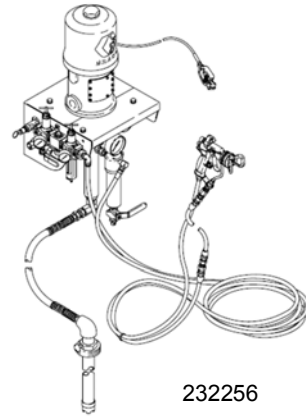
Part No.	description	Accessories	Rep Kit	Application	Manual
965520	5:1 Monark, short, DB	Pump with muffler entry, 38 mm (1,5") Tri Clamp - flange	904427 (PTFE)	Transfer	304410
954383	5:1 Monark, short, DB		218741 (UHMWPE)		307056
207550	5:1 Monark, 200 L, DB	Pump with muffler	218741 (Buna N / Neopren)		307056
903035	5:1 Monark, 200 L, DB,		904427 (PTFE)		304410
952793	5:1 Monark, Short, CM,		948147 (Buna N / Neopren)		307056



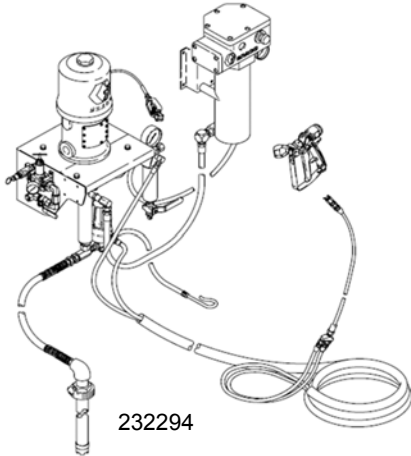
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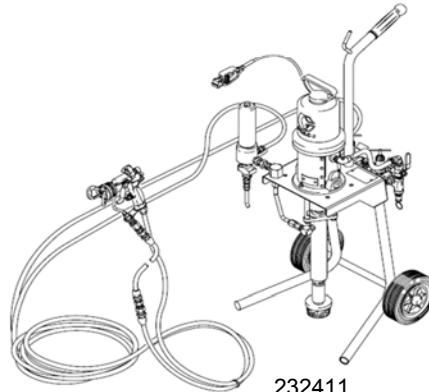
232434
232433
232437
232446



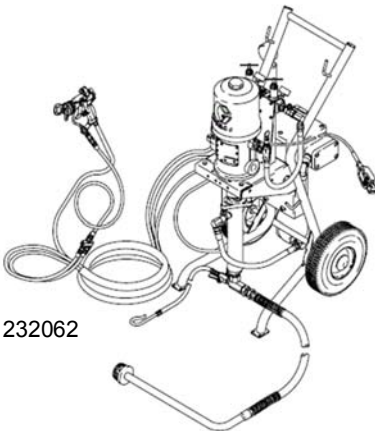
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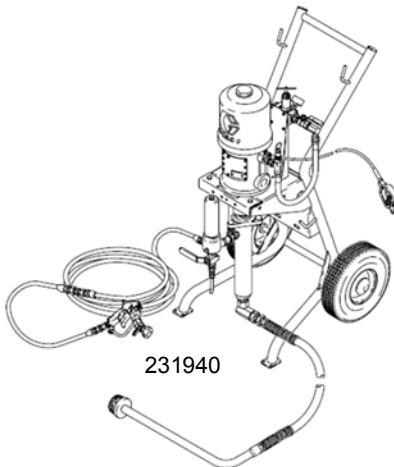
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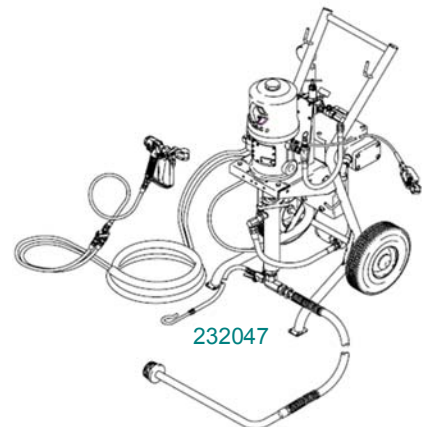
232411



232062



231940



232047



Graco Product Guide

Chapter 1a

MONARK

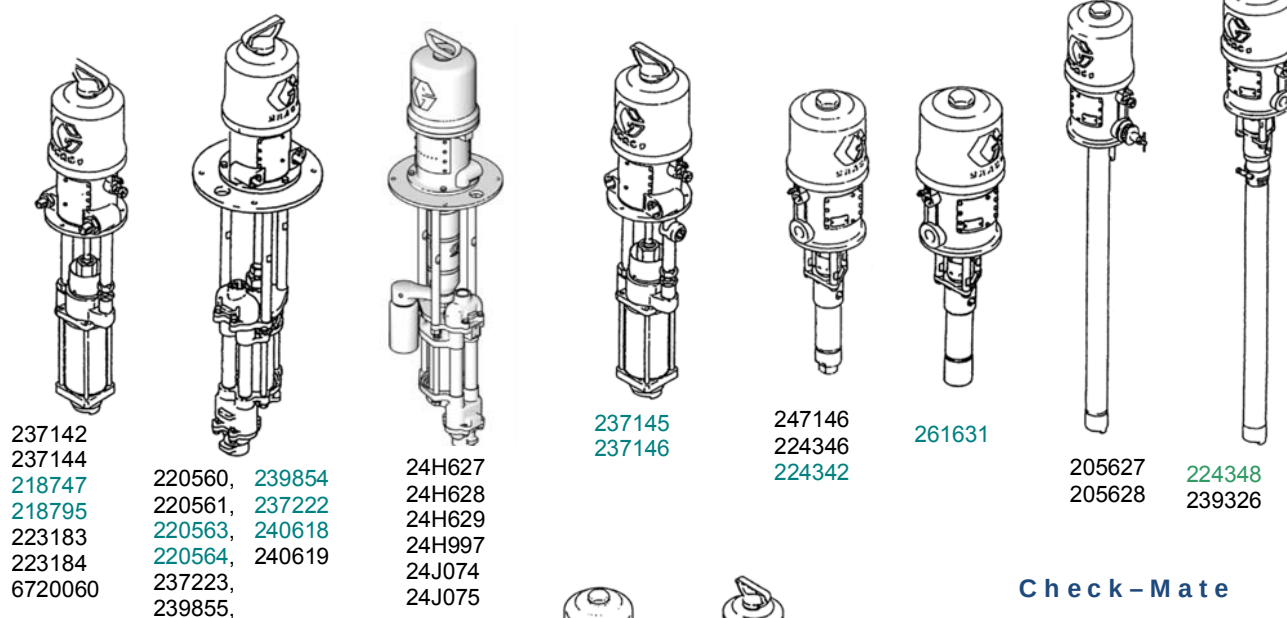
Part No.	Description	accessories	Application	Manual
230993	2:1 Monark, 200 L, Drum unit (Pump 223185)	Complete	Delivery/circulation	307745
232256	15:1 Monark, G40 gun, Wall-mounted unit (Pump 239327)	Without hose set or gun	Air-assist. Airless	308757
232062	23:1 Monark, G40 gun, 2-wheel cart, hot unit (Pump 223596)	Complete with heater, hose set and gun	Air-assist. Airless	308693
232411	23:1 Monark, small 2-wheel cart (Pump 223596)	Complete	Airless	308762
231940	23:1 Monark, large 2 wheel cart (Pump 223596)	Complete	Airless	308635
232047	23:1 Monark, large 2 wheel cart, hot unit, SST (Pump 237958)	Complete	Airless	308692
232294	23:1 Monark, Wall-mounted unit, hot unit (Pump 223596)	Complete with 200l suction kit	Airless	308759
232434	23:1 Monark, 19 L (5 gal) pail mounted (Pump 223596)	Without hose or gun	Airless	308765
232433	23:1 Monark, 19 l (5 gal), pail mounted (Pump 223596)	Complete	Airless	308765
232437	23:1 Monark, 19 l (5 gal), pail mounted (Pump 223596) (Agitator 101687 / 275W)	Complete incl. agitator	Airless	308765
232446	23:1 Monark, 19 l (5 gal), pail mounted, SST (Pump 237958)	Without hose or gun	Airless	308765

For further equipment see relevant operating instructions!

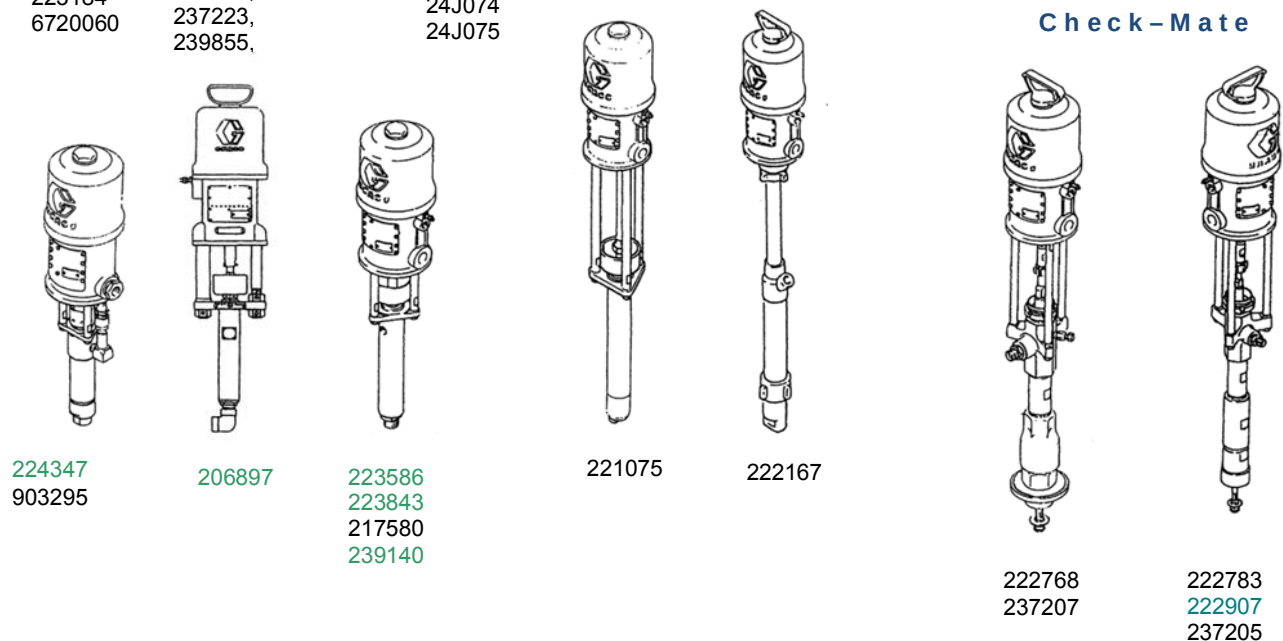


Manual: 307157 Rep kit: 207385  Model: 210007	Manual: 306982 Rep kit: 207385  Model: 205647 206078 205038 207352 222772	Technical Data: Max working pressure : 12 bar Effective piston area : 91,5cm² Piston Ø : 114mm Stroke : 100,8mm Weight : 8,6Kg Air inlet : ½" NPT Air volume. Motor : 1,9 Liter Muffler Kit: 214873 (307361)
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High-Flo



Check-Mate





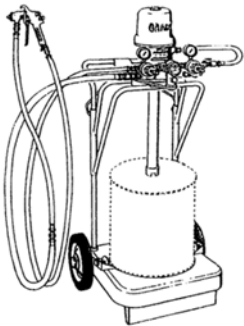
Graco Product Guide

Chapter 1a

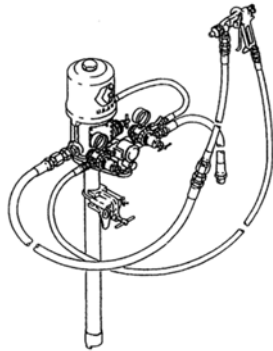
PRESIDENT

Part No.	Description	Rep Kit Lower	Application	Manual	
220560	2:1 President, HF (lower 239834 four ball)	Look at Manual 308793 (Page 47)	Transfer	308793	
220563	2:1 President, HF, SST (lower 239837 four ball)				
220561	3:1 President, HF (lower 239833 four ball)				
239855	3:1 President, HF, short (lower 239833 four ball)				
237223	3:1 President, HF, PTFE packing (lower 239860 four ball)				
220564	3:1 President, HF, SST (lower 239836 four ball)				
237222	3:1 President, HF, SST, PTFE (lower 239859 four ball)				
239854	3:1 President, HF, SST, short (lower 239836 four ball)				
240618	3:1 President, HF, SST BSP thread & tri clamp (240610)				
240619	3:1 President, HF, SST ,BSP thread (lower 246611 four ball)				
24H627	3:1 President HF (750cc) 610cc/Cycle, Lower 24F420	24F660 PTFE/UHMWPE	Transfer	3A1450 EC-Decl. 192743	
24J074	3:1 President HF stubby (750cc) 610cc/Cycle, Lower 24F420	Lowers 3A0539			
24H628	3:1 President HF (750cc),610cc/Cycle sst, Lower 24F413				
24J075	3:1 President HF stubby (750cc) 610cc/Cycle, Lower 24F413	24F661 PTFE/UHMWPE			
24H629	2:1 President HF (1000cc) 890cc/Cycle, Lower 24F424	237198 leather			
24H997	2:1 President HF (1000cc) 890cc/Cycle, Lower 24F431				
237142	3:1 President, short, Lower 237140				
237144	3:1 President, 200 l, Lower 237140	220927 leather / UHMWPE	307674	307986 6000150 307986	
218747	3:1 President, short, SST, Lower 218746	237200 PTFE			
237146	3:1 President, short, SST, lower pump, with side lifting tube fluid outlet Lower 237199	220927 leather / UHMWPE			
218795	3:1 President, 200 l, SST, Lower 218746	237200PTFE			
237145	3:1 President, 200 l, SST, ump, with side lifting tube fluid outlet Lower 237199	223320 leather/UHMWPE			
223184	4:1 President, short Lower 223184	PTFE			
6720060	4:1 President, short Lower 223184 + packing PTFE	223320 leather / UHMWPE			
223183	4:1 President, 200 l Lower 223177	237498 PU/Leather	Airspray	306726	
205628	10:1 President, 200 l, complete pump	224889 PTFE	Transfer	308117	
205627	10:1 President, 40 L, complete pump				
247146	10:1 President, short, SST Lower 224344	224402 Neopren	HydraClean		
224346	10:1 President, short, SST Lower 224344				
224347	10:1 President, short, SST, with riser Lower 224344				
224342	10:1 President, short, SST, Lower 224341	224401 PTFE / UHMWPE	Transfer	308116	
261631	10:1 President, short, SST similar 224342 but 1 ½" inlet	224403 PTFE / UHMWPE		308117	
224348	10:1 President, 200 l, SST, foot valve Ø 56,33 mm (separate construction bung hole drum) Lower 224349			308118	
239326	10:1 President, 200 l, foot valve Ø 56,33 mm (separate construction bung hole drum) Lower 220465			208520 PTFE	308738
222167	10:1 President, 200 l, foot valve Ø 56,33 mm 222173			224902 PU	307962
217580	15:1 President, short Lower 217529	235634 PTFE / leather	Airless	306936	
237207	20:1 President, short, Check Mate 450 Lower 237206	222774	Extrusion	308017	
222768	20:1 President, Check Mate 450 Lower 222790				
246933	20:1 President, Check Mate 450, Lower 246932	234422 UHMWPE / Tuffstack	Transfer Ink		
223586	30:1 President, short Lower 223587	235635 PTFE / leather	Airless	306981	
221075	30:1 President, 200 l Lower 223587			308106	
223843	30:1 President, short, SST Lower 223842			307619	
239140	46:1 President, short, SST, DB Lower 239145				

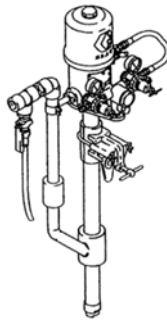
PRESIDENT



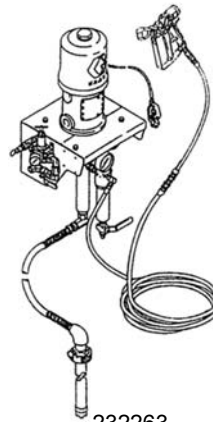
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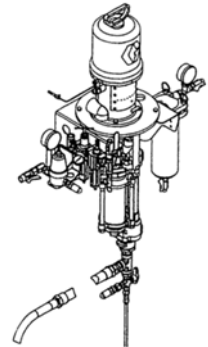
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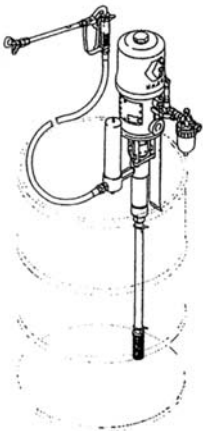
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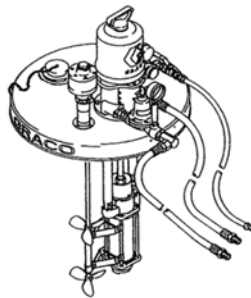
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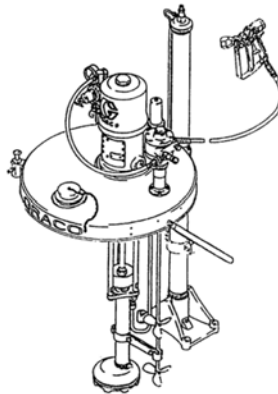
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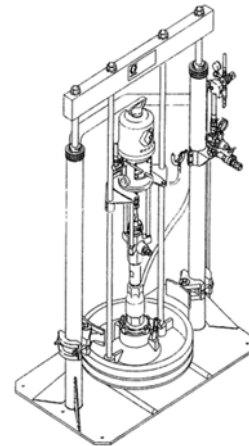
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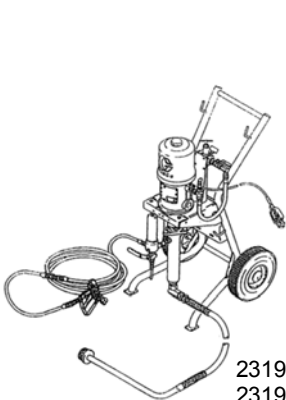
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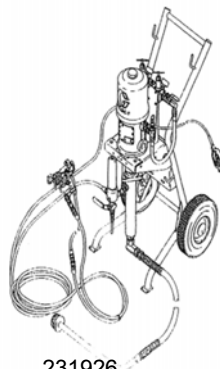
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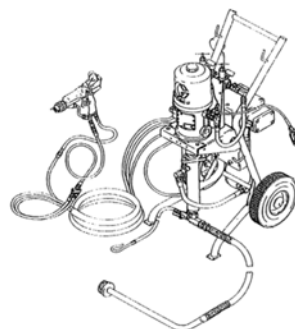
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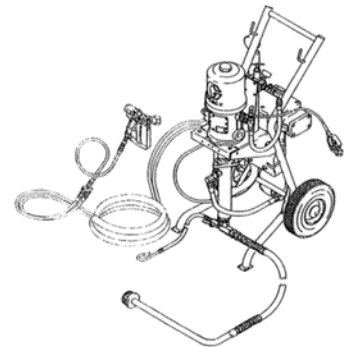
231922
231921
231923
231931
232025



231926
231982



231986



231976



Graco Product Guide

Chapter 1a

PRESIDENT

Part No.	Description	Accessories	Application	Manual
232081	3:1 President, HF, SST Wall-mounted unit	¾" strainer, return throttle, 200l suction kit	Transfer/circulate	308768
230992	4:1 President, 200 l drum unit	Complete	Transfer/circulate	307745
225841	10:1 President, 20/40l, mobile A/S device	Complete, evenflo, 5m hose set	Air Spray	306472
225886	10:1 President, 200 l	Complete, evenflo, drum brackets, 7,5m hose set	Air Spray	306402
954088	10:1 President, Tex Spray, 200 L, Unit, SST, rubberpacking	With drum brackets, evenflo without hose set or a gun	Air Spray	309489
6880119	10:1 President, Hydra Clean Unit	Complete, 12.2m 3/8" hose	Cleaning	6000159
231926	30:1 President, G40 gun mobile	Without hose set or a gun	Air-assist. Airless	308690
231982	30:1 President, G40 gun mobile, hot	Complete	Air-assist. Airless	308693
231986	30:1 President, Pro Xs4 AA Smart, mobile, hot	Complete	E-Static coating	308694
231922	30:1 President, mobile	Without hose or a gun	Airless	308635
231921	30:1 President, mobile	Complete with 7,5m fluid hose	Airless	308635
231976	30:1 President, mobile, hot,	Complete	Airless	308692
232270+	30:1 President, Wall-mounted unit, hot,	Complete with 200l suction kit, heater bracket 192585 order separately	Airless	308759
232358+	30:1 President, Wall-mounted unit, hot, SST	Complete with 200l suction kit	Airless	308759
231063	30:1 President, elevator 200 l	Elevator, drum cover, agitator, strainer, 7,5 m hose, gun	Airless coating	306706
232025+	46:1 President, mobile	Complete	Airless	308635
232263	46:1 President, Wall-mounted unit	Complete	Airless	308758
234369	20:1 President, Check Mate 450 Pump 246933 Lower246932	200l Ram bare / Neoprene wiper ring UHMWPE/Tuffstack	Printer's ink Transfer	308027

+ not shown

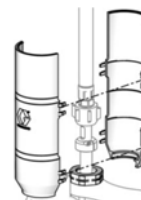
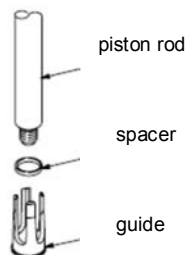
Accessories

184147	Protective plate 0,25 mm thick	Polyethylene for 5 gal; follower plate
223689	Set of protective plate (10 piece)	Polyethylene for 5 gal; follower plate
222792	Set of protective plate (10pieces)	For 200l follower plate
24A640	Shield Kit for Stubby (manual 406876)	
24F252	Shield Kit for President (manual 406876)	



184147
222792
223689

Note:
only for lower CM 450
to use materials with a viscosity more than 1 million Cps
remove the spacer pos. 33 (184124) from the lower.



24A640
24F252



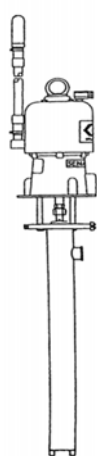
SENATOR SANITARY

	Model: 217540 624250 Nickel Plated 249441 220571 quiet	Air Motor Model: Repair Kit:
	Max Working Pressure Modell 217570 & 220571 : 8,3 bar Modell 624250 & 249441 : 7 bar Effective piston area : 154cm ² Piston diameter : 140mm Stroke : 120,65mm Air inlet : 3/4" NPT Air volume per cycle : 3,7 liter	217540 218122 624250 218122 249441 218122 220571 220916
		Manual Air Motor: 307592 EC-decl.: 190611

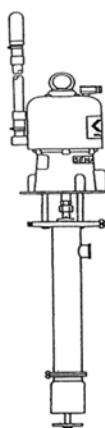
Part No.	Description	Accessories	Application	Manual
948292	4:1 Senator FT 14, 200 L, FDA Buna N, (2 Ball, UHMWPE)	Pump with exhaust hose and muffler	Transfer	308076
949080	4:1 Senator FT 14, short, Viton, (2 Ball PTFE)	Pump with 90° inlet bend, 2½ tri clamp, flange, exhaust hose and muffler,		
949704	4:1 Senator FT 14, short, Viton (2 Ball UHMWPE)	Pump with inlet-flange 2 ½ tri clamp, exhaust hose and muffler		
948649	4:1 Senator FT 14, short, FDA Buna N, (2 Ball UHMWPE)	Pump for RAM montage, exhaust hose and muffler		
570019	4,3:1 Senator FT 14, CM-Pump, UHMWPE, PTFE, FDA, Buna N	Pump with exhaust hose and muffler		

Check Mate = priming piston pump
Dura Flo = ball type pump (SST)

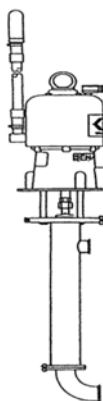
HF = "4" ball type pump
SH = priming piston pump



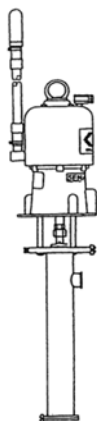
948292



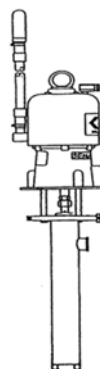
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949080



949704



948649

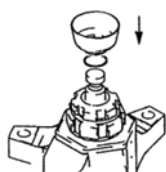


Graco Product Guide

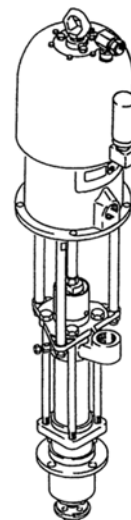
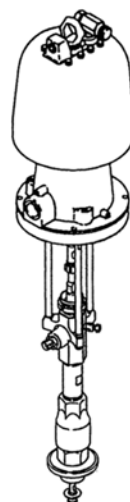
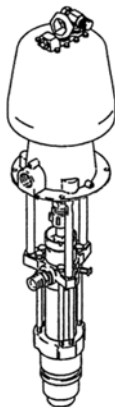
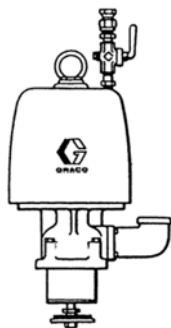
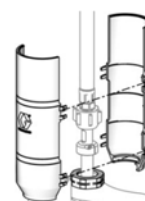
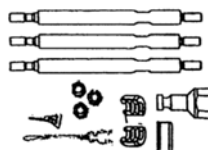
Chapter 1a

BULLDOG

Accessory		
245190	Inlet load spring kit for Xtreme 145cm³ + 180cm³	
245191	Inlet load spring kit for Xtreme 220cm³ + 250cm³ +, 290cm³	
244849	Connection rod set Xtreme (Standard, short)	
246146	large wet cup for Xtreme Pump 145 cm³ + 180cm³	
246147	large wet cup for Xtreme Pump 220 cm³, 250 cm³ + 290cm³	
184147	Protective plate 0,25 mm thick	Polyethylene for 5 gal; follower plate
223689	Set of protective plate (10 St.)	Polyethylene for 5 gal; follower plate
222792	Set of protective plate (10 St.)	For 200l follower plate
24F252	Shield Kit	

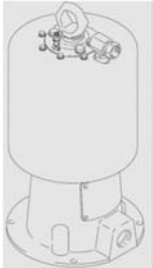


246146
246147





BULLDOG

	Model: 208356 215255 625794 Sanitary 208357 902098 VRHM Pumps	Model: 215255 208356 223905 208360 208357 902098	Manual: 307304 307049 307049 307049 307049 307049	Rep. Kit: 215906 206734 206734 206734 206734 206734
	Max Working Pressure : 7 bar Effective piston area : 248cm ² Piston diameter : 178mm Stroke : 120,65mm Air inlet : 3/4" NPT Air volume per cycle : 6 liter	EC-decl. 199611		

Part No.	Description	Accessories	Rep Kit Lower	Manual
218334+	43:1 Bulldog	Bare pump		307714
205028	3:1 Bulldog, SH, Sinkers	Follower plate, 200L (Pump 205148)	Transfer	306642 194912
244641	3:1 Bulldog, SH	200L 3" 2 pillar ram, 2" air filter/regulator, 1,8m material hose with 2" valve, 1,8m 3/4" air hose, drum clamp	Transfer	309345
205148	3:1 Bulldog, SH	Bare pump		306642
222829	12:1 Bulldog, CM 2100	Bare pump, LN-Motor, Lower 222810	222860	308149
246935	12:1 Bulldog, CM 2100	Bare pump, ST-Motor, Lower 246934	234419	308149
222903	12:1 Bulldog, CM 2100, SST.	Bare pump, LN-Motor, Lower 222811	222860	308150
237261+	31:1 Bulldog, CM 800	Bare pump, ST-Motor, Lower 236611	222864	308351
234978+	31:1 Bulldog, CM 800, SST	Bare pump, ST-Motor, Lower 239912	222866	308352
246940+	31:1 Bulldog, CM 800	Bare pump, ST-Motor, Lower 246939	241782	308351
241901+	31:1 Bulldog, CM 800, 200 l	Bare pump, ST-Motor, Lower 236611	222864	308351
237779	55:1 Bulldog, CM 450, Short, with large wet cup	Bare pump, LN-Motor, Lower 237450 with 3/4"NPT(f) outlet	222773	308017
222813	55:1 Bulldog, Check Mate 450	Bare pump, LN-Motor, Lower 222790	222773	308017
222778	55:1 Bulldog, Check Mate 450	Bare pump, ST-Motor, Lower 222790	222773	308017

LND-Motor = Low Noise De Ice Air Motor (237001) LN-Motor = Low Noise Air Motor (215255) ST-Motor = Standard Air Motor (208356)

+ not shown

* not CE marked

BULLDOG SANITARY

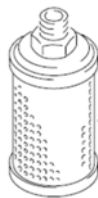
Part No.	Description	Accessories	Manual
949 444	10:1 Bulldog, SH, Sanitary, SST, PTFE/UHMWPE	Pump with electro nickel motor and muffler	306916/ 307049
954 180+	10:1 Bulldog, SH, Sanitary, SST, PTFE/UHMWPE	Pump with Adjust-A-Stroke motor	306916

BULLDOG SANITARY

Part No.	Description	Accessories	Manual
234013	10:1 Bulldog, 200L Ram CM - Pump (949444)	Follower plate set (15B111) with wipe (15B097) for Ø 546 mm drum and Ram(234015)	309505
234014	10:1 Bulldog, 200L Ram CM - Pump (949444)	Follower plate set (15B114) with wipe (15B098) for Ø 572 mm drum and Ram (234015)	309505
234016	10:1 Bulldog, 200L Ram CM - Pump (954180) With Adjust A Stroke	Follower plate set (15B114) with wipe (15B098) for Ø 572 mm drum and Ram (234015)	309505

KING

	Model: 245111 245112 de ice 220106 quiet 235525 quiet remote exhaust Max Working Pressure : 7 bar Effective piston area : 506cm² Piston diameter : 255mm Stroke : 120,65mm Air inlet : 3/4" NPT Air volume per cycle : 12,2 Liter	Manual: 309347 / 309348 EC-dec.; 199043 Rep. Kit: 207730
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Muffler 198311

The King Pump's are replaced

by the new NXT- Pumps

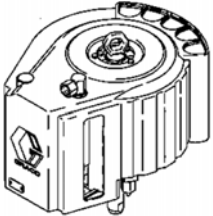
King Motor 12,2dm³

NXT6500 13 dm³

Please look at chapter 1b

Chapter 1a

PREMIER

	Model: 222800 Max Working Pressure : 7 bar Effective piston area : 800cm ² Piston diameter : 321mm Max. cycles per min: : 50 Stroke : 120,65mm Air inlet : 1" NPSM (f) Air volume per cycle : 19,2 Liter	Manual: 308213 EC-decl.: 199071 Rep. Kit: 222985
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Part No.	Description	Accessories	Applikation	Manual
222942	34:1 Premier, DF2400, 579 cm ³	Bare pump (Lower 222801)	Airless	308151
241506	34:1 Premier	Bare pump, long for 6,5" RAM, 200L		
222943	34:1 Premier, DF2400, 579 cm ³ , SST,	Bare pump (Lower 222803)	Airless	308152
237555	45:1 Premier, DF1800, 434 cm ³	Bare pump (Lower 222796)	Airless	308147
241490	45:1 Premier, DF1800, 434 cm ³	Bare pump, long for 6,5" RAM, 200L		
222939	45:1 Premier, DF1800, 434 cm ³ , SST,	Bare pump (Lower 222805)	Airless	308148
234824	45:1 Premier, DF1800, 434 cm ³ , SST, ceramic balls,	Bare pump, long for 6,5" RAM, 200L (Lower 246987)	Airless	308148
245171	67:1 Premier, DF1200, 290 cm ³ , SST	Bare pump (Lower 237514)	Airless	308812
245174	67:1 Premier, DF1200, 290 cm ³ , SST	Bare pump, long for 6,5" RAM, 200L		
236932	74:1 Premier, DF1100, 264 cm ³	Bare pump (Lower 236478)	Airless	308357

Cart mounted units

253912	34:1 Premier, DF2400 Pump 222942	Cart mounted unit, without suction kit filter, fluid hose, gun – order separately	Airless	311683
222973	45:1 Premier, DF1800 Pump 237555	Cart mounted unit, without suction kit filter, fluid hose, gun – order separately	Airless	308215
238144	45:1 Premier, DF1800 Pump 237555	Cart mounted unit with suction kit, fluid hose, 3/8" 15 m, 1/4" 1,8 m whipped, gun and RAC with nozzle,	Airless	308215
236489	74:1 Premier, DF1100	Cart mounted unit, with suction tube & hose	Airless	308415
237158	74:1 Premier, DF1100	Cart mounted unit, with suction kit, fluid hose, 3/8" 15 m, 1/4" 1,8 m, whipped, gun and RAC with nozzle,	Airless	308415

CheckMate units

222940	39:1 Premier, CM2100	Bare pump, (Lower 222810)	Extrusion	308149
237518	80:1 Premier, CM1000	Bare pump, (Lower 222954)	Extrusion	308355
237520	80:1 Premier, CM1000 SST	Bare pump, (Lower 236613)	Extrusion	308356

Lowers

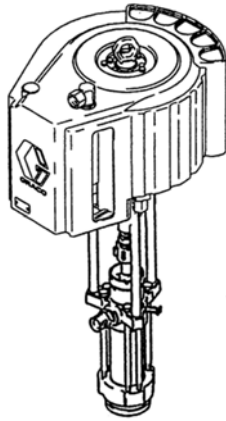
Part. No.:	Description	Standard Packings	Leather/PTFE	UHMWPE/Leather	UHMWPE/PTFE	PTFE
222801	DF 2400 (580cm ³)	CS 3 PTFE /2 leather	222879	*222878	*222875	*222876
222803	DF 2400 (580cm ³)	SST 3 UHMWPE /2 PTFE	*222879	*222878	222875	*222876
222796	DF 1800 (430cm ³)	CS, 3 PTFE/2 leather	222849	*222848	*222845	*222846
222805	DF 1800 (430cm ³)	SST, 3 UHMWPE /2 PTFE	*222849	*222848	222845	*222846
246987	DF 1800 (430cm ³)	SST, 4 leather, 3 UHMWPE throat/ 3UHMWPE, 2 leather piston	*222849	222848	*222845	*222846
237514	DF 1200 (290cm ³)	SST, leather/PTFE	237178	*237180	*237713	*237179
236478	DF 1100 (455cm ³)	CS, leather/PTFE	237166	*237168	---	*237167

*Option

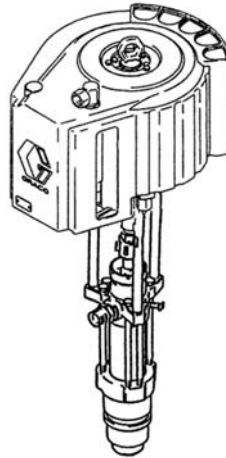


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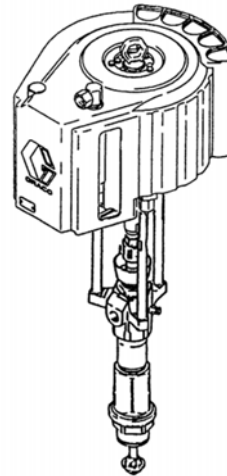
Chapter 1a



222942
222943
237555
222939
236932
245171



241506
241490
234824
245174

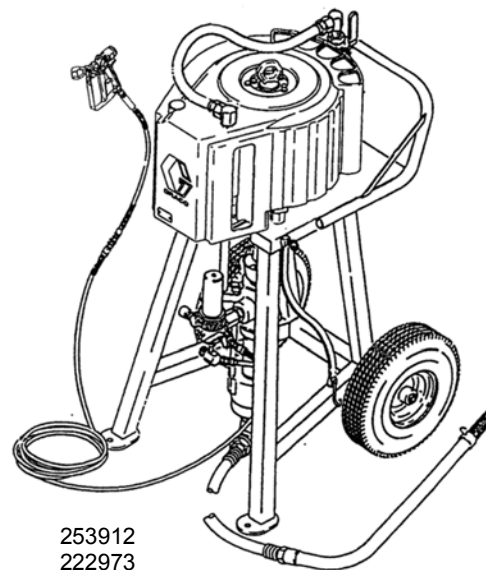


237518
237520

Accessories
High-Volume Air Regulator
1" inlet 10,6 l/min

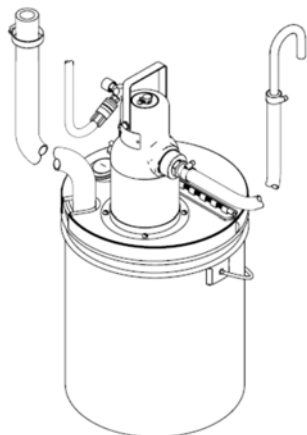
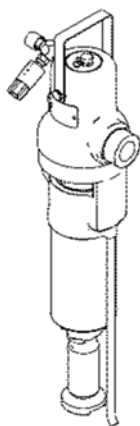


Air Filter
10l/min 1" outlet



253912
222973
238144
236489
237158

Ink Supply Pump

**226237****205459**

Manual:	306805
Ratio	0,5 : 1
Max. Fluid Pressure	6 Bar
Air Pressure	2,8 -12,5 Bar
Max Speed:	90 cycles
Fluid inlet	1" NPT (f)
Fluid outlet	¾" NPT (f)
Air inlet	¼" NPT (f)

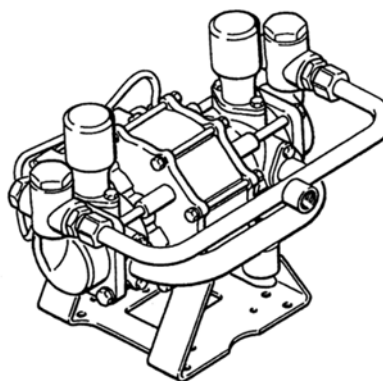
Part No.:	Description
226237	Complete Pump with drum
205459	Bare Pump
214972	Repair Kit
220168	Air Valve and Piston
206264	Air Valve Assembly

GLUTTON

- Pump with bellow,
- for hygroscopic material,
- Viscosity to 4000cps

Technical data:

	4:1	12:1	25:1
Air inlet	½" npt(f)	½" npt(f)	½" npt(f)
Max. pressure	28 bar	83 bar	170 bar
Max. Air input	7 bar	7 bar	7 bar
Fluid inlet	1-1/4" npt(f)	1-1/4" npt(f)	1-1/4" npt(f)
Fluid outlet	1" npt(f)	1" npt(f)	¾" npt(f)
Max.suction lift	4,57m	4,57m	4,57m
Max. operating temp.	65°C	65°C	65°C
Max continuous speed	60 cycle/min	60 cycle/min	60 cycle/min
Fluid per cycle	0,366 liter	0,128 liter	0,058 liter
Fluidflow@ 60 cpm	21,2 liter/min	7,35 liter/min	3,4 liter
Manual	307843		EC - Decl. 190544



Part No.	Description	Standard Repair Kit	Applikation	Manual
220663 237008	4:1 Glutton, UHMWPE 4:1 Glutton, Nylon	220949 237014	Delivery	307843
220666 237011	4:1 Glutton (SST), UHMWPE 4:1 Glutton (SST), Nylon	220949 237014		
220664 237009	12:1 Glutton, UHMWPE 12:1 Glutton, Nylon	221136 237017		
220667 237012	12:1 Glutton (SST), UHMWPE 12:1 Glutton (SST), Nylon	221136 237017		
220665 237010	25:1 Glutton, UHMWPE 25:1 Glutton, Nylon	220950 237017		
220668 237013	25:1 Glutton (SST), UHMWPE 25:1 Glutton (SST), Nylon	220950 237016		
			Airless	

For material with Toluol or Xylol ,
use Pump with Nylon seals



Graco Product Guide

Chapter 1b

NXT™ Air Motor

Manual: 311238

EC-declaration: 199199



To find approximate air consumption multiply air pressure + 1 bar atmospheric pressure then multiply by cycles per minute Example :
NXT6500 at 5 bar running at 10 cycles per minute gives,
 (13 x (5+1)) x 10 = 780 Liter per minute.

NXT2200 (2200Liter / stroke) = 4,4Liter (per cycle)
 NXT3400 (3400Liter / stroke) = 6,8 Liter (per cycle)
NXT6500 (6500Liter / stroke) = 13 Liter (per cycle)

Symbol	Code No.	Code Name	Diagnosis	Cause
	1	Runaway	Pump running faster than set runaway limit.	- Increased air pressure. - Increased fluid output. - Exhausted fluid supply.
	E-1	Diving Up	Leak during upstroke.	Worn piston valve or packings.
	E-2	Diving Down	Leak during downstroke.	Worn intake valve.
	E-3	Low Battery	Battery voltage too low to stop runaway.	- Low battery. To replace battery, see page 14. - Disable Runaway mode until battery is replaced; see page 11.
	E-4	Service Component 1	Problem with stopping runaway.	- Damaged solenoid. - Damaged valve carriage.
	E-4	Disconnected Solenoid	Solenoid is disconnected.	- Solenoid unplugged. - Damaged solenoid wires.
	E-5	Service Component 2	Problem with sensing valve movement.	- Sensors unplugged. - Sensors mounted incorrectly. - Damaged sensors. - Damaged valve carriage.
	E-6	Blown Fuse	Fuse is blown.	- Faulty solenoid or solenoid wiring. - Extreme temperatures (above 140°F [60°C]). - Disable Runaway mode until fault is corrected and fuse is replaced. See pages 11 and 14.

Part no: NXT413

Code:

N	x x	x	x	0
Pump NXT-Motor	Motor size	Motor Type	Options	reserve
22	NXT2200	D De-ice	N Non	
34	NXT3400	L Low Noise	R Remote DataTrak	
65	NXT6500	R Remote 1"	T DataTrak	
			H Linear Sensor	

Technical data:

Maximum air inlet pressure:	100psi (0,7Mpa, 7,0 bar)
Air motor piston diameter:	NXT Model 6500: 264mm NXT Model 3400: 191mm NXT Model 2200: 152mm
Stroke length:	120 mm
Air inlet size:	3/4" npt (f)
Graco recommends using an air filter with a minimum measurement of 40 micron.	
Remote exhaust outlet size:	1" npt (f)
Maximum Motor Speed:	60 cycles per minute
Operating temperature range:	0 - 60° C
Material of construction:	Aluminium, ductile iron, stainless steel, carbon steel, acetal, Polyethylene, Santoprene®, alloy steel, Polypropylene
Seals and packing's:	Nitrile rubber
Weight:	N65xx0: 31kg / N34xx0: 23kg / N22xx0: 21kg

Chapter 1b

NXT™ Air Motor N22xx/ N34xx /N65xx

Manual: 311238

Air Motor	Model Serie"D"	Piston Ø inc. (mm)	(D) De ice	(L) Low noise	(R) Remote 1	(T) DataTrak	(H) Sensor	Repair - Kit / Conversion – Kit						
								Air valve kit (Complete) Manual 406656 406657	Piston- Package Kit Manual 406658	De-ice NXT110	Low noise Conversion kit NXT104	Remote Exhaust NXT105	DataTrak NXT_06 Manual 311486	Sensor Assy 287839
N22DN0	2200cm ³	6.0 (152)	x					NXT107	NXT200	NXT110	---	---	---	---
N22DT0	2200cm ³	6.0 (152)	x			x		NXT108					NXT206	---
N22DH0	2200cm ³	6.0 (152)	x				x	NXT109					---	287839
N22LN0	2200cm ³	6.0 (152)		x				NXT107		---	NXT111	---	---	---
N22LT0	2200cm ³	6.0 (152)		x		x		NXT108					NXT206	---
N22LH0	2200cm ³	6.0 (152)		x			x	NXT109					---	287839
N22RN0	2200cm ³	6.0 (152)			x			NXT107		---	---	NXT105	---	---
N22RT0	2200cm ³	6.0 (152)			x	x		NXT108					NXT206	---
N22RH0	2200cm ³	6.0 (152)			x		x	NXT109					---	287839
N22LR0	2200cm ³	6.0 (152)		x				NXT107		NXT110	---	---	NXT406	---
N34DN0	3400cm ³	7.5 (191)	x					NXT107	NXT300	NXT110	---	---	---	---
N34DT0	3400cm ³	7.5 (191)	x			x		NXT108					NXT306	---
N34DH0	3400cm ³	7.5 (191)	x				x	NXT109					---	287839
N34LN0	3400cm ³	7.5 (191)		x				NXT107		---	NXT111	---	---	---
N34LT0	3400cm ³	7.5 (191)		x		x		NXT108					NXT306	---
N34LH0	3400cm ³	7.5 (191)		x			x	NXT109					---	287839
N34RN0	3400cm ³	7.5 (191)			x			NXT107		---	---	NXT105	---	---
N34RT0	3400cm ³	7.5 (191)			x	x		NXT108					NXT306	---
N34RH0	3400cm ³	7.5 (191)			x		x	NXT109					---	287839
N34LR0	3400cm ³	7.5 (191)		x				NXT107		NXT110	---	---	NXT406	---
N65DN0	6500cm ³	10,375 (264)	x					NXT107	NXT600	NXT110	---	---	---	---
N65DT0	6500cm ³	10,375 (264)	x			x		NXT108					NXT606	---
N65DH0	6500cm ³	10,375 (264)	x				x	NXT109					---	287839
N65LN0	6500cm ³	10,375 (264)		x				NXT107		---	NXT111	---	---	---
N65LT0	6500cm ³	10,375 (264)		x		x		NXT108					NXT606	---
N65LH0	6500cm ³	10,375 (264)		x			x	NXT109					---	287839
N65RN0	6500cm ³	10,375 (264)			x			NXT107		---	---	NXT105	---	---
N65RT0	6500cm ³	10,375 (264)			x	x		NXT108					NXT606	---
N65RH0	6500cm ³	10,375 (264)			x		x	NXT109					---	287839
N65LR0	6500cm ³	10,375 (264)		x				NXT107		NXT110	---	---	NXT406	---
* 257055	6500cm ³	10,375 (264)	x				x						---	256893

" x " = included

" - - - " = not included

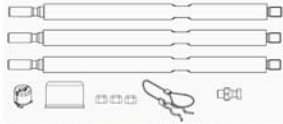
* Only ATEX when used with XM plural component sprayer



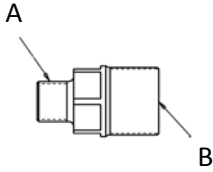
Graco Product Guide

Chapter 1b

NXT™ Air Motor accessories



Connection Kit 288 xxx



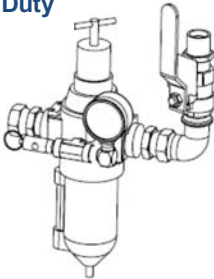
15H369
15H370
15H371

Coalescing Filter



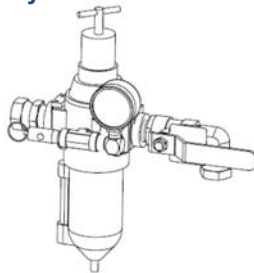
NXT093
NXT094

Light Duty

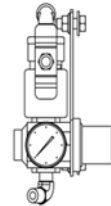


24E025

Heavy Duty

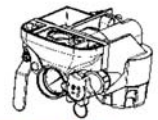


24E013



288527

NXT011
NXT021
NXT031



Air – control module

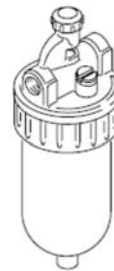
NXT606
NXT306
NXT206



DataTrak conversion Kit



255415



214848
214849



116521

Chapter 1b

NXT™ Air Motor accessories

Accessories:

Connection Kit lower pump		Length shoulder to shoulder	Air Motor "NXT"
28820 9	Large "mid range" Hi-Flo 1000/1500/2000	362 mm (14,25 inc.)	2200, 3400
28820 2	Small "mid range" Hi-Flo 750/1000/1500	362 mm (14,25 inc.)	2200, 3400, (6500)
28820 3	Hi-Flo Plus	490 mm (19,307 inc.)	6500
28820 4	Large DuraFlo 1800/2400	391 mm (15,4 inc.)	3400, 6500
28820 5	Small DuraFlo 600/750/900/1200	391 mm (15,4 inc.)	2200, 3400
28820 6	1000cc DuraFlo	391 mm (15,4 inc.)	3400
28820 7	Xtreme 145/ 180/ 220/ 250/ 290 (cm³)	362 mm (14,25 inc.)	3400, 6500
288860	Xtreme 85/ 115 (cm³)	362 mm (14,25 inc.)	2200, 3400

other pumps connection look [manual: 311876](#)

Adapter to connect the NXT to a Graco lower		A=3/4-16UNF-2A	
15H369	HighFlo B = M22 x 1,5	15H371	DuraFlo 430-590cm³ B = M38 x 2
15H370	DuraFlo 145-290cm³ B= 1-1/4-12UNF-2A	15H392 +	Xtreme

Art. No:	Description	Manual	
NXT011	Air control Module, with locking regulator, 7,6 bar (Standard with MSN-MCN)	311239	
NXT021	Air control Module, with non locking regulator, 7,6 bar		
NXT031	Air control Module, with locking regulator, 5,8 bar		
116521	Air Regulator, Air Filter (for heavy duty)	3A0292	
262231	Air control heavy duty Retrofit kit, (to mount on the cart 287884 (before 2010))		
24E025	Air control for Light Duty Xtreme sprayers cart (Regulator+ ball valve + air filter)		
24E013	Air control for Heavy Duty Xtreme sprayers cart (Regulator+ ball valve + air filter)	3A0293	
244841 +	Lubricator conversion kit (to add on Air control)	3A0293	
NXT406 +	Remote DataTrak connection Kit	311238	
255415	Remote DataTrak module (need sep. power supply)		
214848	Lubricator Air Motor NXT 2200 – 3400 ½" in and outlet / 17,5 bar / 240ml capacity		
214849	Lubricator Air Motor NXT 6500 ¾" in and outlet / 17,5 bar / 480ml capacity		
111897 +	Muffler (threaded 1") for use with remote exhaust manifold		
288527	Air regulator mounting kit (for Air-Mix spraying)	311486	
NXT606	DataTrak conversion Kit, NXT Model 6500		
NXT306	DataTrak conversion Kit, NXT Model 3400		
NXT206	DataTrak conversion Kit, NXT Model 2200		
NXT413 +	Fuse DataTrak 125V 250mA	NXT112+	Knob de-ice (5 pieces)
NXT093	Coalescing drain kit Automatic	406659	
NXT094	Coalescing drain kit Manual		
NXT405 +	DataTrak Membrane-Shields (cover)	406903	
100101 +	Screw mounting (four pieces are used)		
Linear Sensor Kits for NXT Air Motors			

+ not shown

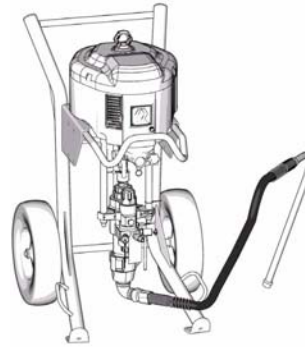
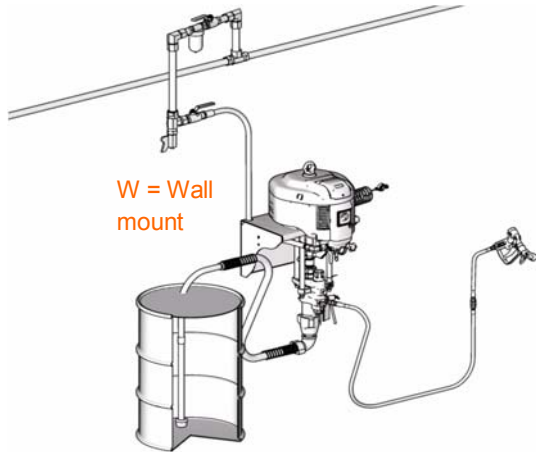


Graco Product Guide

Chapter 1b

NXT™ Xtreme Units (Carbon Steel)

Manual: 311164
Declaration: 199207



H = Heavy Duty

Technical data:

Air inlet size:	3/4" npt (f)
Fluid inlet size:	1-1/4 npt (m)
Fluid outlet size: Pumps with built-in filters	(2 outlet ports) : = 1/2" npt (m)
Fluid outlet size: Pumps without built-in filters	(1 outlet port) : 115cm³ = 1/2" npt (f) 145cm³ and 180cm³ = 3/4" npt (f) 220cm³, 250cm³, and 290cm³ = 1" npt (f)

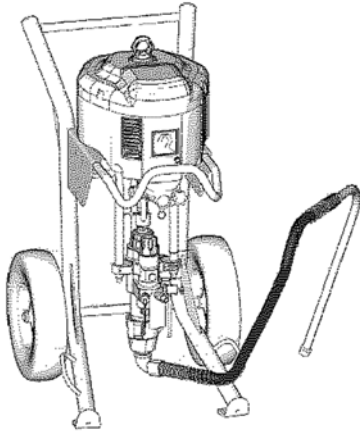
Code:

X	X X			X		X		X	
Xtreme Pump Carbon Steel	Pump size Ratio / Motor / Lower			Motor Type		Mounted		Option	
	25	3400cm³	290cm³	D	De-ice	W	Wall mount	1	Complete unit with DataTrak
	30	3400cm³	220cm³	L	Low Noise	H	Heavy duty	2	bare unit with DataTrak
	35	2200cm³	115cm³	R	Remote 1”			3	Complete unit without DataTrak
	40	3400cm³	180cm³					4	bare unit without DataTrak
	45	6500cm³	290cm³					5	Complete unit with DataTrak
	46	3400cm³	145cm³						and material container
	50	6500cm³	250cm³					6	Complete unit without DataTrak
	55	3400cm³	115cm³						and material container
	60	6500cm³	220cm³						
	70	6500cm³	180cm³						
	80	3400cm³	85cm³						
	90	6500cm³	145cm³						

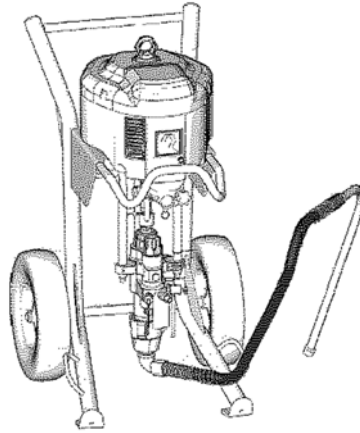
Chapter 1b

NXT™ Xtreme Units

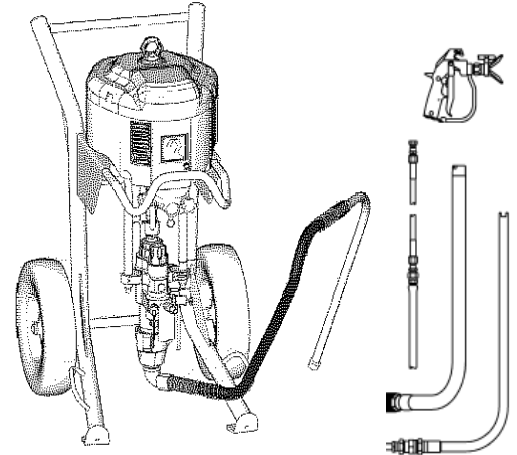
(Carbon Steel)



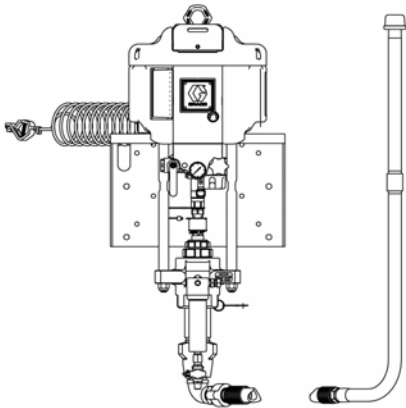
**Heavy-duty
Airless units**



Air-assisted units
287975
288976

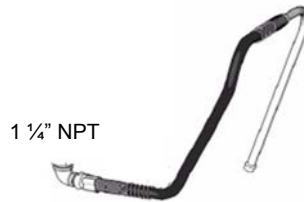


for zinc material
287971, 287972
287973, 287974



Wall mounted
X25DW2 to X90LW2
X25DW2 to X90LW4
not shown Model 287978
40:1 ext. Filter (218029)

Suction Kit (CS)



1 1/4" NPT

245176

**Ext. Filter
(60Mesh)**



218029



Material container
288347
for Xtreme, approx. 23 liter



Graco Product Guide

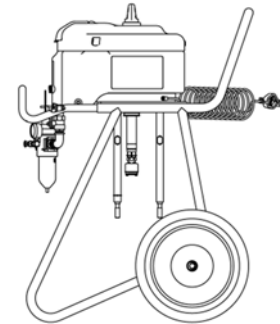
Chapter 1b

Configurable Cart Packages “without lower”

NOTE: Configurable cart packages do not include lowers. Pair these packages with any Xtreme lower (145cc - 290cc) for a sprayer package

Code: EC-199212

X	N3	X	X	X
Xtreme brand	Size / Motor	Motor Type	Mounted	Option
	N3 NXT3400	D De-Icing	L Light Weight	2 with DataTrak
	N6 NXT6500		H Heavy duty	4 with no DataTrak



Part No.	description
XN3DH2	Motor N34DT0 (de ice & Data Trak)
XN3DH4	Motor N34DN0 (de ice)
XN6DH2	Motor N65DT0 (de ice & Data Trak)
XN6DH4	Motor N65DN0 (de ice)

NXT™ Xtreme Units

(Carbon Steel)

Manual: 311164

Motor: 311238

Air control module NXT: 311239

DataTrak: 311486

All units with suction kit (245176)

Wall mount unit

Part No.	Pump	Wall mount	Lower	Motor Ø piston	Bracket	p.	Adapter bracket	p.	Suction Tube	p.
X35DW2	P35EC4	35:1, D-ICE, Bare unit, Data Trak	L115C2	N22DT0	248613	1	243312	1	247302	1
X35DW4	P35DC4	35:1, D-ICE, Bare unit without Data Trak								
287978	P40MC3	40:1, LowNoise, DataTrak, ext.Filter, without air control	L180C1	N34LT0	Bare wall mounted					

Mobile unit “Zinc”

Part No.	Pump	Zinc – Units	lower	Motor	gun	p.	hose	p.	hose	p.
287971	P25DC1	25:1, D-ICE, without DataTrak, Filter or air control	L290C1	N34DN0	---	-	---	-	---	-
287972	P40DC1	40:1, D-ICE, without DataTrak, Filter or air control	L180C1		---	-	---	-	---	-
287973	P25EC1	25:1, D-ICE, DataTrak, without Filter or air control	L290C1	N34DT0	238591 SilverGun	1	H42506 1,8m	1	H43850 15m	1
287974	P40EC1	40:1, D-ICE, DataTrak, without Filter or air control	L180C1							

Mobile unit “Air Assisted”

Part No.	Pump	Air-Assisted – Units	lower	Motor	gun	p.	hose	St.	Hose	p.
287975	P30EC4	30:1, complete unit, D-ICE, DataTrak, Filter	L220C2	N34DT0	24C857 G40	1	H52550 Material	1	210868 Air	1
287976	P40EC4	40:1, complete unit, D-ICE, DataTrak, Filter	L180C2	N34DT0						

Mobile unit “Dura Flo” EC-199207

Part No.	Pump	Zinc – Units	lower	Motor	gun	p.	hose	p.	hose	p.
287979	P23DCD	23:1, D-ICE, without DataTrak, Filter or air control	222801 580cc	N65DN0	---	-	---	-	---	-
287980	P23DCD	23:1, D-ICE, without DataTrak, Filter or air control			238591 SilverGun	1	239984 15,2m	1	240797 30m	1
287981	P32DCD	32:1, D-ICE, DataTrak, without Filter or air control	222796 430cc	N65DN0	---	-	---	-	---	-

NXT™ Xtreme Units

Chapter 1b
(Carbon Steel)

Mobile unit “with built in Filter”

Manual: 311164

Motor: 311238

Air control module NXT: 311239

DataTrak: 311486

Carbon Steel 25:1 – 50:1

Part No.	Pump	Mobile unit	Lower outp./min	Motor Ø piston	Spray gun	p.	hose 1,8 m	p.	hose 15 m	p.
X25DH1	P25EC2	25:1, D-ICE, Complete unit, DataTrak	L290C2 17 Liter	N34DT0	XTR504	1	H42506	1	H43850	1
X25DH2	P25EC2	25:1, D-ICE, Bare unit, DataTrak			-	-	-	-	-	-
X25DH3	P25DC2	25:1, D-ICE, Complete unit, without DataTrak		N34DN0	XTR504	1	H42506	1	H43850	1
X25DH4	P25DC2	25:1, D-ICE, Bare unit, without DataTrak			-	-	-	-	-	-
X30DH1	P30EC2	30:1, D-ICE, Complete unit, DataTrak	L220C2 12,9 Liter	N34DT0	XTR504	1	H42506	1	H43850	1
X30DH2	P30EC2	30:1, D-ICE, Bare unit, DataTrak			-	-	-	-	-	-
X30DH3	P30DC2	30:1, D-ICE, Complete unit, without DataTrak		N34DN0	XTR504	1	H42506	1	H43850	1
X30DH4	P30DC2	30:1, D-ICE, Bare unit, without DataTrak			-	-	-	-	-	-
X35DH1	P35EC2	35:1, D-ICE, Complete unit, DataTrak	L115C2 7,6 Liter	N22DT0	XTR504	1	H42506	1	H43850	1
X35DH2	P35EC2	35:1, D-ICE, Bare unit, DataTrak			-	-	-	-	-	-
X35DH3	P35DC2	35:1, D-ICE, Complete unit, without DataTrak		N22DN0	XTR504	1	H42506	1	H43850	1
X35DH4	P35DC2	35:1, D-ICE, Bare unit, without DataTrak			-	-	-	-	-	-
X40DH1	P40EC2	40:1, D-ICE, Complete unit, DataTrak	L180C2 11 Liter	N34DT0	XTR504	1	H42506	1	H43850	1
X40DH2	P40EC2	40:1, D-ICE, Bare unit, DataTrak			-	-	-	-	-	-
X40DH3	P40DC2	40:1, D-ICE, Complete unit, without DataTrak		N34DN0	XTR504	1	H42506	1	H43850	1
X40DH4	P40DC2	40:1, D-ICE, Bare unit, without DataTrak			-	-	-	-	-	-
X45DH1	P45EC2	45:1, D-ICE, Complete unit, DataTrak	L290C2 17 Liter	N65DT0	XTR504	1	H42506	1	H43850	1
X45DH2	P45EC2	45:1, D-ICE, Bare unit, DataTrak			-	-	-	-	-	-
X45DH3	P45DC2	45:1, D-ICE, Complete unit, without DataTrak		N65DN0	XTR504	1	H42506	1	H43850	1
X45DH4	P45DC2	45:1, D-ICE, Bare unit, without DataTrak			-	-	-	-	-	-
X45LH1	P45MC2	45:1, L.Noise, Complete unit, DataTrak		N65LT0	XTR504	1	H42506	1	H43850	1
X45LH2	P45MC2	45:1, L.Noise, Bare unit, DataTrak			-	-	-	-	-	-
X45LH3	P45LC2	45:1, L.Noise, Complete unit, without DataTrak		N65LN0	XTR504	1	H42506	1	H43850	1
X45LH4	P45LC2	45:1, L.Noise, Bare unit, without DataTrak			-	-	-	-	-	-
X46DH1	P46EC2	46:1, D-ICE, Complete unit, DataTrak	L145C2 8,7 Liter	N34DT0	XTR504	1	H52506	1	H53850	1
X46DH2	P46EC2	46:1, D-ICE, Bare unit, DataTrak			-	-	-	-	-	-
X46DH3	P46DC2	46:1, D-ICE, Complete unit, without DataTrak		N34DN0	XTR504	1	H52506	1	H53850	1
X46DH4	P46DC2	46:1, D-ICE, Bare unit, without DataTrak			-	-	-	-	-	-
X50DH1	P50EC2	50:1, D-ICE, Complete unit, DataTrak	L250C2 15,2 Liter	N65DT0	XTR504	1	H52506	1	H53850	1
X50DH2	P50EC2	50:1, D-ICE, Bare unit, DataTrak			-	-	-	-	-	-
X50DH3	P50DC2	50:1, D-ICE, Complete unit, without DataTrak		N65DN0	XTR504	1	H52506	1	H53850	1
X50DH4	P50DC2	50:1, D-ICE, Bare unit, without DataTrak			-	-	-	-	-	-
X50LH1	P50MC2	50:1, L.Noise, Complete unit, DataTrak		N65LT0	XTR504	1	H52506	1	H53850	1
X50LH2	P50MC2	50:1, L.Noise, Bare unit, DataTrak			-	-	-	-	-	-
X50LH3	P50LC2	50:1, L.Noise, Complete unit, without DataTrak		N65LN0	XTR504	1	H52506	1	H53850	1
X50LH4	P50LC2	50:1, L.Noise, Bare unit, without DataTrak			-	-	-	-	-	-

DataTrak / De-ice

DataTrak / Low Noise

Low Noise

De Ice



Graco Product Guide

Chapter 1b

NXT™ Xtreme Units

(Carbon Steel)

Mobile unit “with built in Filter”

Manual: 311164

Motor: 311238

Air control module NXT: 311239

DataTrak: 311486

Carbon Steel 55:1 – 90:1

Part No.	Pump	Mobile unit	Lower	Motor Ø piston	Spray gun	p.	hose 1,8 m	p.	hose 15 m	p.
X55DH1	P55EC2	55:1, D-ICE, Complete unit, DataTrak	L115C2 7,6 Liter	N34DT0	XTR704	1	H52506	1	H53850	1
X55DH2	P55EC2	55:1, D-ICE, Bare unit, DataTrak			-	-	-	-	-	-
X55DH3	P55DC2	55:1, D-ICE, Complete unit, without DataTrak		N34DN0	XTR704	1	H52506	1	H53850	1
X55DH4	P55DC2	55:1, D-ICE, Bare unit, without DataTrak			-	-	-	-	-	-
X60DH1	P60EC2	60:1, D-ICE, Complete unit, DataTrak	L220C2 12,9 Liter	N65DT0	XTR704	1	H72506	1	H73850	1
X60DH2	P60EC2	60:1, D-ICE, Bare unit, DataTrak			-	-	-	-	-	-
X60DH3	P60DC2	60:1, D-ICE, Complete unit without DataTrak		N65DN0	XTR704	1	H72506	1	H73850	1
X60DH4	P60DC2	60:1, D-ICE, Bare unit, without DataTrak			-	-	-	-	-	-
X70DH1	P70EC2	70:1, D-ICE, Complete unit, DataTrak	L180C2 11 Liter	N65DT0	XTR704	1	H72506	1	H73850	1
X70DH2	P70EC2	70:1, D-ICE, Bare unit, DataTrak			-	-	-	-	-	-
X70DH3	P70DC2	70:1, D-ICE, Complete unit without DataTrak		N65DN0	XTR704	1	H72506	1	H73850	1
X70DH4	P70DC2	70:1, D-ICE, Bare unit, without DataTrak			-	-	-	-	-	-
X70LH1	P70MC2	70:1, L.Noise, Complete unit, DataTrak		N65LT0	XTR704	1	H72506	1	H73850	1
X70LH2	P70MC2	70:1, L.Noise, Bare unit, DataTrak			-	-	-	-	-	-
X70LH3	P70LC2	70:1, L.Noise, Complete, without DataTrak		N65LN0	XTR704	1	H72506	1	H73850	1
X70LH4	P70LC2	70:1, L.Noise, Bare unit, without DataTrak			-	-	-	-	-	-
X80DH1	P80EC2	80:1, D-ICE, Complete unit, DataTrak	L085C2 5,7 Liter	N34DT0	XTR704	1	H72506	1	H73850	1
X80DH2	P80EC2	80:1, D-ICE, Bare unit, DataTrak			-	-	-	-	-	-
X80DH3	P80DC2	80:1, D-ICE, Complete unit, without DataTrak		N34DN0	XTR704	1	H72506	1	H73850	1
X80DH4	P80DC2	80:1, D-ICE, Bare unit, without DataTrak			-	-	-	-	-	-
X80LH1	P80MC2	80:1, L.Noise, Complete unit, DataTrak		N34LT0	XTR704	1	H72506	1	H73850	1
X80LH2	P80MC2	80:1, L.Noise, Bare unit, DataTrak			-	-	-	-	-	-
X80LH3	P80LC2	80:1, L.Noise, Complete unit, without DataTrak		N34LN0	XTR704	1	H72506	1	H73850	1
X80LH4	P80LC2	80:1, L.Noise, Bare unit, without DataTrak			-	-	-	-	-	-
X90DH1	P90EC2	90:1, D-ICE, Complete unit, DataTrak	L145C2 8,7 Liter	N65DT0	XTR704	1	H72506	1	H73850	1
X90DH2	P90EC2	90:1, D-ICE, Bare unit, DataTrak			-	-	-	-	-	-
X90DH3	P90DC2	90:1, D-ICE, Complete unit, without DataTrak		N65DN0	XTR704	1	H72506	1	H73850	1
X90DH4	P90DC2	90:1, D-ICE, Bare unit, without DataTrak			-	-	-	-	-	-
X90LH1	P90MC2	90:1, L.Noise, Complete unit, DataTrak		N65LT0	XTR704	1	H72506	1	H73850	1
X90LH2	P90MC2	90:1, L.Noise, Bare unit, DataTrak			-	-	-	-	-	-
X90LH3	P90LC2	90:1, L.Noise, Complete unit, without DataTrak		N65LN0	XTR704	1	H72506	1	H73850	1
X90LH4	P90LC2	90:1, L.Noise, Bare unit, without DataTrak			-	-	-	-	-	-

DataTrak / De-ice

DataTrak / Low Noise

Low Noise

De Ice

Chapter 1b

Hose, Fittings, Guns - Xtreme Units

Part No.	Thread both side female	Length	Description	Pressure
H42503	1 / 4 – 18 NPSM	0,9m	Fluid hose	310 bar
H42506		1,8m		
H42510		3m		
H42525		7,6m		
H42550		15,2m		
H4251x		30,5m		
H43803	3 / 8 – 18 NPSM	0,9m	Fluid hose	310 bar
H43806		1,8m		
H43810		3m		
H43825		7,6m		
H43850		15,2m		
H4381x		30,5m		
H45010	1 / 2 – 18 NPSM	3m	Fluid hose	310 bar
H45025		7,6m		
H45050		15,2m		
H4501x		30,5m		
H72503	1 / 4 – 18 NPSM	0,9m	Fluid hose	500 bar
H72506		1,8m		
H72510		3m		
H72525		7,6m		
H72550		15,2m		
H7251x		30,5m		
H73803	3 / 8 – 18 NPSM	0,9m	Fluid hose	500 bar
H73806		1,8m		
H73810		3m		
H73825		7,6m		
H73850		15,2m		
H7381x		30,5m		
H75002	1 / 2 – 18 NPSM	0,9m	Fluid hose	500 bar
H75003		1,8m		
H75010		3m		
H75025		7,6m		
H75050		15,2m		
H7501x		30,5m		
240797	3/8 – 18 NPSM	15,2m	Fluid hose SST	227 bar
239984	1/4" – 18 NPSM	63,5cm	Fluid hose SST	227 bar
210868	1 / 4 – 18 NPSM	15,2m	Air Hose	14 bar
189018	Swivel 1/4 NPSM(f) to 1/4 NPSM(m)			517 bar
164856	Reducing nipple 3/8 NPT(m) - 1/4 NPT(m) (SST)			550 bar
238591	Silver Gun, 4 finger, XHD 619			345 bar
XTR504	Gun, 4 finger trigger, swivel 1/4"NPSM, RAC XHD Tip 519			345 bar
XTR704	Gun, 4 finger trigger, swivel 1/4"NPSM, RAC XHD Tip 519			500 bar

Strainer - Xtreme Filter

Standard Xtreme filter pumps come with 60 mesh/ XP70 Xtreme filter pumps come with 30 mesh

Part No. * (1 piece)	Part No. (2 piece)	Part No. (25piece)	Mesh (Micron)	For lower „Xtreme“ xxx (cc)	
				Series A & B	Series C
167052*	236495	238444	30 (590)	36cc – 48cc – 58cc – 85cc – 115cc	
167024*	224458	238436		145cc – 180cc – 250cc – 290cc	36cc → 290cc
167053*	236496	238446		36cc – 48cc – 58cc – 85cc – 115cc	
167025*	224459	238438	60 (250)	145cc – 180cc – 250cc – 290cc	36cc → 290cc
167054*	236497	238448	100 (149)	36cc – 48cc – 58cc – 85cc – 115cc	
167026*	224468	238440		145cc – 180cc – 250cc – 290cc	36cc → 290cc
167055*	236498	238450		36cc – 48cc – 58cc – 85cc – 115cc	
167027*	224469	238442	200 (74)	145cc – 180cc – 250cc – 290cc	36cc → 290cc

* in Europe obsolete! Please order in pieces of two



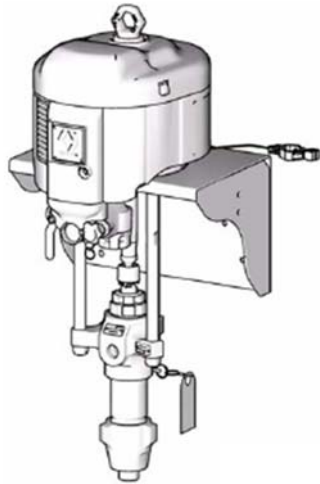
Graco Product Guide

Chapter 1b

Wall Mount Packages Xtreme

(Carbon Steel)

Manual: 312358



incl.:
 - Air Motor xxxLT0
 - DataTrak
 - Air Control NXT011
 - Lower
 - Bracket 255143
 - Connecting kit

Xtreme Package	Ratio	Pump	Motor	Lower	Suction Kit		Filter Kit (CS) out 3/8" npt(m)
					19L (CS)	200L (CS)	
116MCN*	16:1	P16MC1	N22LT0	L29AC1	---	---	---
216MCN*	16:1	P16MC1	N22LT0	L29AC1	247472	---	247474
316MCN*	16:1	P16MC1	N22LT0	L29AC1	---	247473	247474
125MCN	25:1	P25MC1	N34LT0	L290C1	---	---	---
225MCN	25:1	P25MC1	N34LT0	L290C1	247472	---	247474
325MCN	25:1	P25MC1	N34LT0	L290C1	---	247473	247474
130MCN	30:1	P30MC1	N34LT0	L220C1	---	---	---
230MCN	30:1	P30MC1	N34LT0	L220C1	247472	---	247474
330MCN	30:1	P30MC1	N34LT0	L220C1	---	247473	247474

*= incl. Adapter 15H060 (1x) and Lock/Nut 101566 (4x)

"- - -" = not included

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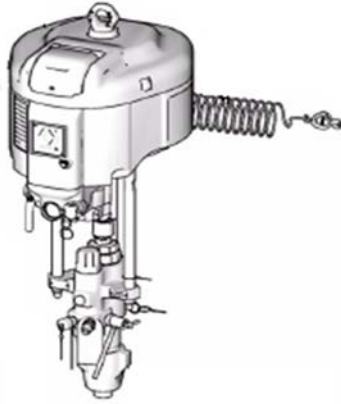
X Pump		X X Ratio		X Motor Type		X Material		X Option	
1	Xtreme bare	03	3:1	M	DataTrak Low Noise	C	Carbon	N	NPT
2	Xtreme 19 Liter	04	4:1			S	Stainless	B	BSPP, SST, MaxLife
3	Xtreme 200 Liter	16	16:1	S	DataTrak Remote			T	Tri-clamp
4	DuraFlo bare	25	25:1						
5	DuraFlo 19 Liter	30	30:1						
6	DuraFlo 200 Liter	40	40:1						
7	HighFlo bare	45	45:1						
		46	46:1						

Chapter 1b

Wall Mount Xtreme

(Carbon Steel)

Manual: 311164



Shown is model with built-in Filter

Technical data:

Air inlet size:	3/4" npt (f)
Fluid inlet size:	1-1/4 npt (m)
Fluid outlet size: Pumps with built-in filter (2outlet ports):	all = 1/2" npt (m)
Pumps without built-in filter (1outlet port):	115cm ³ = 1/2" npt (f) 145cm ³ and 180cm ³ = 3/4" npt (f) 220cm ³ , 250cm ³ , and 290cm ³ = 1" npt (f)

Code:

P Xtreme Pump Carbon Steel	X X Pump size Ratio / Motor / Lower		X Motor Type	C Material	X Option
	25	3400cm ³	290cm ³	C Carbon Steel	1 No build-in Filter No air control
	30	3400cm ³	220cm ³		2 Build-in Filter No air control
	35	2200cm ³	115cm ³		3 No build-in Filter Air control
	40	3400cm ³	180cm ³		4 Build-in Filter Air control
	45	6500cm ³	290cm ³		
	46	3400cm ³	145cm ³		
	50	6500cm ³	250cm ³		
	55	3400cm ³	115cm ³		
	60	6500cm ³	220cm ³		
	70	6500cm ³	180cm ³		
	80	3400cm ³	85cm ³		
	90	6500cm ³	145cm ³		



Graco Product Guide

Chapter 1b

Xtreme Pumps Motor & Lower (Carbon Steel)
Lower size 115cm³ – 290cm³

Manual: 311164

motor: 311238

lower: 311762



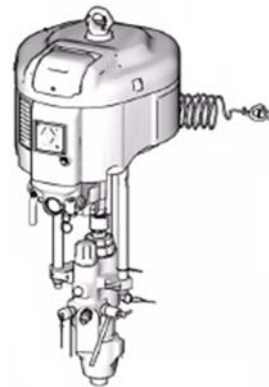
NXT 6500m³
NXT 3400m³
NXT 2200m³

+



Lower
Xtreme

=



Code: P xx x x x

Pumps 16:1 – 40:1

Pump	Air - Motor		Lower	
Motor & lower	Ratio	Air pressure max. 7Bar	Number / area / size	
P16DC1	16:1	N22DN0*	L29AC1	Xtreme (290cm ³)
P16EC1		N22DT0*		
P16LC1		N22LN0*		
P16MC1		N22LT0*		
P21DC1	21:1	N22DN0*	L22AC1	Xtreme (220cm ³)
P21EC1		N22DT0*		
P21LC1		N22LN0*		
P21MC1		N22LT0*		
P24DC1	24:1	N22DN0*	L18AC1	Xtreme (180cm ³)
P24EC1		N22DT0*		
P24LC1		N22LN0*		
P24MC1		N22LT0*		
P25DC1	25:1	N34DN0*	L290C1	Xtreme (290cm ³)
P25EC1		N34DT0*		
P25LC1		N34LN0*		
P25MC1		N34LT0*		
P30DC1	30:1	N34DN0*	L220C1	Xtreme (220cm ³)
P30EC1		N34DT0*		
P30LC1		N34LN0*		
P30MC1		N34LT0*		
P31DC1	31:1	N22DN0*	L14AC1	Xtreme (145cm ³)
P31EC1		N22DT0*		
P31LC1		N22LN0*		
P31MC1		N22LT0*		
P40DC1	40:1	N34DN0*	L18AC1	Xtreme (180cm ³)
P40EC1		N34DT0*		
P40LC1		N34LN0*		
P40MC1		N34LT0*		

*DataTrack / De-ice

*DataTrack / Low Noise

*Low Noise

*De-Ice

Chapter 1b

Xtreme Pumps Motor & Lower (Carbon Steel)
Lower size 115cm³ – 290cm³

Manual: 311164

motor: 311238

lower: 311762

Pumps 45:1 – 90:1

Pump	Air - Motor		Lower	
P45DC1	45:1 315bar	N65DN0*	L290C1	Xtreme (290cm ³)
P45EC1		N65DT0*		
P45LC1		N65LN0*		
P45MC1		N65LT0*		
P46DC1	46:1 322bar	N34DN0*	L145C1	Xtreme (145cm ³)
P46EC1		N34DT0*		
P46LC1		N34LN0*		
P46MC1		N34LT0*		
P50DC1	50:1 350bar	N65DN0*	L250C1	Xtreme (250cm ³)
P50EC1		N65DT0*		
P50LC1		N65LN0*		
P50MC1		N65LT0*		
P55DC1	55:1 385bar	N34DN0*	L115C1	Xtreme (115cm ³)
P55EC1		N34DT0*		
P55LC1		N34LN0*		
P55MC1		N34LT0*		
P60DC1	60:1 420bar	N65DN0*	L220C1	Xtreme (220cm ³)
P60EC1		N65DT0*		
P60LC1		N65LN0*		
P60MC1		N65LT0*		
P70DC1	70:1 490bar	N65DN0*	L180C1	Xtreme (180cm ³)
P70EC1		N65DT0*		
P70LC1		N65LN0*		
P70MC1		N65LT0*		
P80DC1	80:1 522bar	N34DN0*	L085C1	Xtreme (085cm ³)
P80EC1		N34DT0*		
P80LC1		N34LN0*		
P80MC1		N34LT0*		
P90DC1	90:1 522bar	N65DN0*	L145C1	Xtreme (145cm ³)
P90EC1		N65DT0*		
P90LC1		N65LN0*		
P90MC1		N65LT0*		

*DataTrack / De-ice

*DataTrack / Low Noise

*Low Noise

*De-Ice



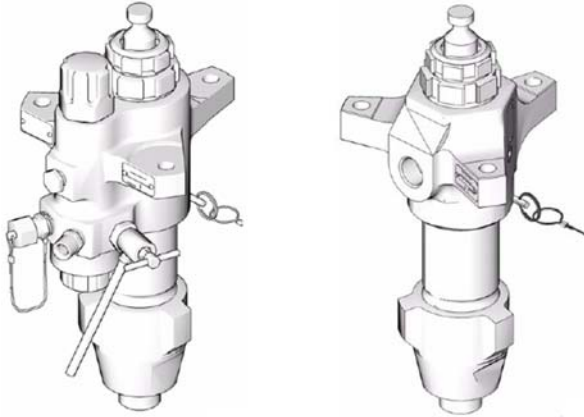
Graco Product Guide

Chapter 1b

Xtreme Lower (36cm³ – 290cm³) (Carbon Steel)

Manual: 311762

Series A ,B & Series C



LXXC0 is without purge valve

Model with
build in filter
LxxxC0/C2/C4

Model
without build in filter
LxxxC1&C3

Technical data:

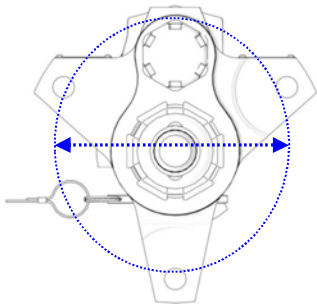
Fluid inlet size:	1-1/4 npt (m)
Material	<u>Lower with build in filter:</u>
-Outlet size :	(2 outlet) : 1/2" npt (m)
	<u>Pump without build in filter :</u>
	(1 outlet) :
	115cm ³ = 1/2" npt (f)
	145cm ³ and 180cm ³ = 3/4" npt (f)
	220cm ³ , 250cm ³ , and 290cm ³ = 1" npt (f)
Maximum temperature:	82° C

Code:

L	X X X			C	X	
Xtreme Pump	Lower size			Lower Typ	Option	Xtreme packings leather / UHMWPE Tuff Stack packing's filled PTFE
Carbon Steel	Ø203mm	Ø150mm				
	N.A	36	36cm ³	C	Carbon - Steel	0 XP70 model with inlet spring and no purge valve with build in filter X-Tuffpackings carbon filled PTFE
	N.A	48	48cm ³			1 Without build in filter Xtreme packing leather / UHMWPE
	N.A	54	54cm ³			2 With build in filter Xtreme packing leather / UHMWPE
	N.A	58	58cm ³			3 Without build in filter Tuff Stack packing carbon filled PTFE
	N.A	72	72cm ³			4 With build in filter Tuff Stack packing carbon filled PTFE
	N.A	85	85cm ³			
	N.A	90	90cm ³			
	N.A	97	97cm ³			
	N.A	115	115cm ³			
	145	14A	145cm ³			
	180	18A	180cm ³			
	220	22A	220cm ³			
	250	25A	250cm ³			
	290	29A	290cm ³			

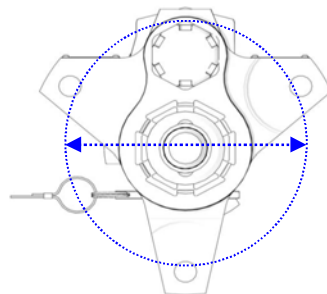
Chapter 1b

Applies to 36,48,54,58,72,85,
90,97,115, 14A ,18A,
22A, and 29Acc Lowers



Ø150mm

Applies to 145, 180, 220,
250, and 290cc Lowers

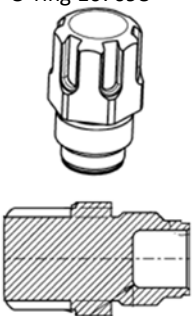


Ø203mm

2er pack	25er pack	Screen Filter Elements
236495	238444	30Mesh for 85cc / 115cc (series A & B)
236496	238446	60Mesh for 85cc / 115cc (series A & B)
236497	238448	100Mesh for 85cc / 115cc (series A & B)
224458	238436	30Mesh for 145cc - 290cc (series A & B)
		30Mesh for 36→ 290cc (series C)
224459	238438	60Mesh for 145cc - 290cc
		60Mesh for 36→ 290cc (series C)
224468	238440	100Mesh for 145cc -290cc (series A & B)
		100Mesh for 36→ 290cc (series C)
188420	Poly filter support for 85cc and 115cc	
186075	Poly filter support for 145cc – 290cc	
179801	Carbon steel support for 145cc – 290cc	
24F974	Series B Filter Cap conversion kit 36cc – 145cc	
24F975	Series C Filter Cap conversion kit 36cc – 290cc	

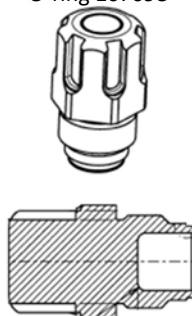
Series A

Filter cap 15F859
O-ring 107098



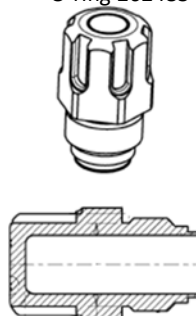
Series B

Filter cap 16F270
O-ring 107098



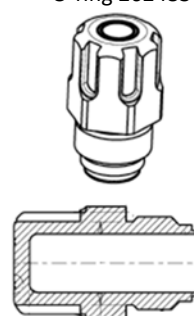
Series B

Filter cap 16F269
O-ring 262483



Series C

Filter cap 16M461(24F975)
O-ring 262483



O-ring 107098 => 244895(10pk)
262483 = 10pk



Graco Product Guide

Chapter 1b

Xtreme Lower

Carbon Steel

Manual: 311762

Part no.	“only Series A”		Rep. kit (gasket) * Standard #option		
			leather UHMWPE	TuffStack/PTFE	cm³ cycle
L085C1	Lower without built-in filter,	packing Leather/UHMWPE	24F973*	#262507	85cm³
L085C2	Lower with built-in filter,	packing Leather/UHMWPE	24F973*	#262507	
L085C3	Lower without built-in filter,	packing TuffStack/PTFE	#262507	24F973*	
L085C4	Lower with built-in filter,	packing TuffStack/PTFE	#262507	24F973*	
L115C1	Lower without built-in filter,	packing Leather/UHMWPE	24F972*	#262508	115cm³
L115C2	Lower with built-in filter,	packing Leather/UHMWPE	24F972*	#262508	
L115C3	Lower without built-in filter,	packing TuffStack/PTFE	#24F972	262508*	
L115C4	Lower with built-in filter,	packing TuffStack/PTFE	#24F972	262508*	
L145C1	Lower without built-in filter,	packing Leather/UHMWPE	244850*	#262510	145cm³
L145C2	Lower with built-in filter,	packing Leather/UHMWPE	244850*	#262510	
L145C3	Lower without built-in filter,	packing TuffStack/PTFE	#244850	262510*	
L145C4	Lower with built-in filter,	packing TuffStack/PTFE	#244850	262510*	
L180C1	Lower without built-in filter,	packing Leather/UHMWPE	24F969*	#24F970	180cm³
L180C2	Lower with built-in filter,	packing Leather/UHMWPE	24F969*	#24F970	
L180C3	Lower without built-in filter,	packing TuffStack/PTFE	#24F969	24F970*	
L180C4	Lower with built-in filter,	packing TuffStack/PTFE	#24F969	24F970*	
L220C1	Lower without built-in filter,	packing Leather/UHMWPE	24F967*	#24F968	220cm³
L220C2	Lower with built-in filter,	packing Leather/UHMWPE	24F967*	#24F968	
L220C3	Lower without built-in filter,	packing TuffStack/PTFE	#24F967	24F968*	
L220C4	Lower with built-in filter,	packing TuffStack/PTFE	#24F967	24F968*	
L250C1	Lower without built-in filter,	packing Leather/UHMWPE	24F965*	#24F966	250cm³
L250C2	Lower with built-in filter,	packing Leather/UHMWPE	24F965*	#24F966	
L250C3	Lower without built-in filter,	packing TuffStack/PTFE	#24F965	24F966*	
L250C4	Lower with built-in filter,	packing TuffStack/PTFE	#24F965	24F966*	
L290C1	Lower without built-in filter,	packing Leather/UHMWPE	244854*	#244904	290cm³ /DH
L290C2	Lower with built-in filter,	packing Leather/UHMWPE	244854*	#244904	
L290C3	Lower without built-in filter,	packing TuffStack/PTFE	#244854	244904*	
L290C4	Lower with built-in filter,	packing TuffStack/PTFE	#244854	244904*	

Chapter 1b

Xtreme Lower

CarbonSteel

Manual: 311762

Part no.	“only Series B and C”	Rep. kit (gasket) *Standard #Option			
		leather UHMWPE	TuffStack PTFE	X-Tuff TuffStack/ UHMWPE	cm ³ / cycle
L036C0*	Lower with built-in filter and spring, packing X-Tuff	---	262504	262786*	36cm ³
L048C0*	Lower with built-in filter and spring, packing X-Tuff	---	262505	262787*	48cm ³
L054C0*	Lower with built-in filter and spring, packing X-Tuff	---	---	262774*	54cm ³
L058C0*	Lower with built-in filter and spring, packing X-Tuff	---	262506	262788*	58cm ³
L072C0*	Lower with built-in filter and spring, packing X-Tuff	---	---	262775*	72cm ³
L090C0*	Lower with built-in filter and spring, packing X-Tuff	---	---	262776*	72cm ³
L097C0*	Lower with built-in filter and spring, packing X-Tuff	---	---	262777*	72cm ³
L085C0*	Lower with built-in filter and spring, packing X-Tuff	#24F973	#262507	262789*	85cm ³
L085C1	Lower without built-in filter, packing Leather/UHMWPE	24F973*	#262507	---	
L085C2	Lower with built-in filter, packing Leather/UHMWPE	24F973*	#262507	---	
L085C3	Lower without built-in filter, packing TuffStack/PTFE	#24F973	262507*	---	
L085C4	Lower with built-in filter, packing TuffStack/PTFE	#24F973	262507*	---	
L115C0*	Lower with built-in filter and spring, packing X-Tuff	#24F972	#262508	262790*	115cm ³
L115C1	Lower without built-in filter, packing Leather/UHMWPE	24F972*	#262508	---	
L115C2	Lower with built-in filter, packing Leather/UHMWPE	24F972*	#262508	---	
L115C3	Lower without built-in filter, packing TuffStack/PTFE	#24F972	262508*	---	
L115C4	Lower with built-in filter, packing TuffStack/PTFE	#24F972	262508*	---	
L14AC0*	Lower with built-in filter and spring, packing X-Tuff	#24F971	#262510	262791*	145cm ³
L145C1	Lower without built-in filter, packing Leather/UHMWPE	24F971*	#262510	---	
L145C2	Lower with built-in filter, packing Leather/UHMWPE	24F971*	#262510	---	
L145C3	Lower without built-in filter, packing TuffStack/PTFE	#24F971	262510*	---	
L145C4	Lower with built-in filter, packing TuffStack/PTFE	#24F971	262510*	---	
L18AC0*	Lower with built-in filter and spring, packing X-Tuff			262792*	180cm ³
L180C1	Lower without built-in filter, packing Leather/UHMWPE	24F969*	#24F970	---	
L180C2	Lower with built-in filter, packing Leather/UHMWPE	24F969*	#24F970	---	
L180C3	Lower without built-in filter, packing TuffStack/PTFE	#24F969	24F970*	---	
L180C4	Lower with built-in filter, packing TuffStack/PTFE	#24F969	24F970*	---	
L22AC0*	Lower with built-in filter and spring, packing X-Tuff			262793*	220cm ³
L220C1	Lower without built-in filter, packing Leather/UHMWPE	24F967*	#24F968	---	
L220C2	Lower with built-in filter, packing Leather/UHMWPE	24F967*	#24F968	---	
L220C3	Lower without built-in filter, packing TuffStack/PTFE	#24F967	24F968*	---	
L220C4	Lower with built-in filter, packing TuffStack/PTFE	#24F967	24F968*	---	
L25AC0*	Lower with built-in filter and spring, packing X-Tuff			262794*	250cm ³
L250C1	Lower without built-in filter, packing Leather/UHMWPE	24F965*	#24F966	---	
L250C2	Lower with built-in filter, packing Leather/UHMWPE	24F965*	#24F966	---	
L250C3	Lower without built-in filter, packing TuffStack/PTFE	#24F965	24F966*	---	
L250C4	Lower with built-in filter, packing TuffStack/PTFE	#24F965	24F966*	---	
L29AC0*	Lower with built-in filter and spring, packing X-Tuff			262795*	290cm ³
L290C1	Lower without built-in filter, packing Leather/UHMWPE	24F963*	#24F964	---	
L290C2	Lower with built-in filter, packing Leather/UHMWPE	24F963*	#24F964	---	
L290C3	Lower without built-in filter, packing TuffStack/PTFE	#24F963	24F964*	---	
L290C4	Lower with built-in filter, packing TuffStack/PTFE	#24F963	24F964*	---	
24N942	290 Xtreme carbon steel lower with hard chrome rod, no filter	#24F963	#24F964	262795*	

*XP70 Xtreme pumps include inlet springs



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Chapter 1b

Xtreme Lower

Accessories

Part no.	Accessories	description	Manual					
245190	Inlet Ball Spring Kits, 145cc / 180cc	(XP70 Xtreme pumps include inlet springs)	406527					
245191	Inlet Ball Spring Kits, 220cc, 250cc, 290cc	(XP70 Xtreme pumps include inlet springs)	406527					
245145	Fluid Drain Valve Repair Kit	(not for use with XP lowers)	311762					
+ 15T258	Tool, wrench Xtreme 145/290							
Strainer	Series	Lower	2x 30mesh	25x 30mesh	2x 60mesh	25x 60mesh	2x 100mesh	25x 100mesh
	A & B	36cc/ 48cc/ 58cc/ 115cc	236495	238444	236496	238446	236497	238448
	A & B	145cc -290cc						
	C	36cc → 290cc	224458	238436	224459	238438	224468	238440

Part No.	Description	Manual
247472	Suction Kit CS 1-1/4" in. 5 Gal (19 litre)	312358
247473	Suction Kit CS 1-1/4" in. 55 Gal (208 litre)	
+ 189920	Strainer SST 1" , 8 Mesh	
247474	Kit - Fluid Filter CS 1" in. (incl. 167025, 60 Mesh)	307273
+ 159239	Adapter 1/2" - 3/8", need for use Kit 247474 with lower 115cm³	
287884	2 wheels cart, Heavy duty	
255143	Bracket mounting,	
247312	Adapter, needed for using 255143 or 287884 with Air motor NXT2200cm³	
101566	Lock Nut (1 piece) to fit 247312 need 4 x 101566	
246146	Wet cup kit for: (need to change the nut !!) Xtreme 145cm³ , 180cm³	(Nut 197330)
246147	Wet cup kit for: (need to change the nut !!) Xtreme 220cm³ , 250cm³ , 290cm³	(Nut 197331)
245190	Inlet ball spring for:	Xtreme 145cm³ , 180cm³
245191	Inlet ball spring for:	Xtreme 220cm³ , 250cm³ , 290cm³
288207	Connection Kit Xtreme	145, 180, 220, 250, 290 (cm³) / NXT 3400 & 6500
288860	Connection Kit Xtreme	85, 115, (cm³) / NXT 2200 & 3400

+ not shown

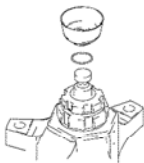
Wet cup

246146

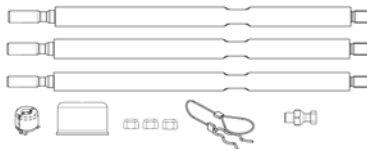
need (197330)

246147

need (197331)



Connection kit

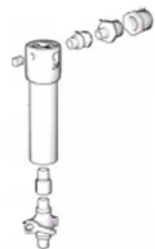


Inlet ball spring

245190
245191



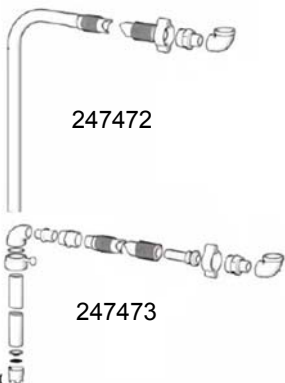
Kit Fluid-Filter



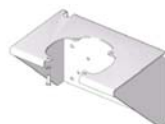
Suction Kit

247472

247473

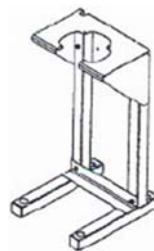


Bracket Mounting



255143

Stand



253692



Lock Nut
(adapter plate)
4x 101566

247474

Chapter 1b

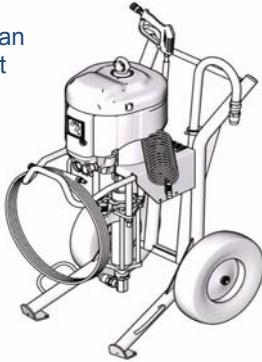
Hydra-Clean®

"Stainless Steel"

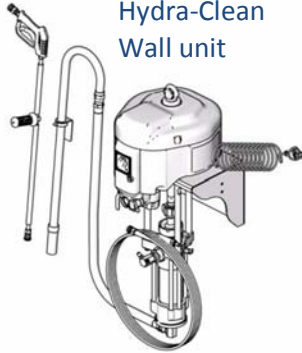
Manual: 312585

Declaration: 199247

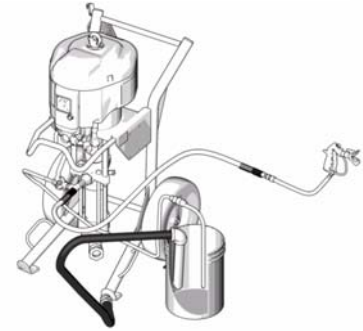
Hydra-Clean
Card unit



Hydra-Clean
Wall unit



Dura-Flo sprayer package



Hydra-Clean®

Part No.	Hydra – Clean (SST-Lower)	Motor	Lower (size)	Items incl.
247549	12:1 cart,	N34 DN0	247599 (580cm³)	Gun 247879, Hose (15m), 247878, Suction Kit 166630, Strainer 15T284, Tip 805446 / 805422 / 805459 / 805433 / 805450
247550	12:1 wall,		241648 (580cm³)	
247551	23:1 cart,	N65 DN0	687055 (430cm³)	
247552	23:1 wall,		24B923 (290cm³)	
247553	30:1 cart,			
247554	30:1 wall,			
258664	45:1 cart,			
258665	45:1 wall,			

Accessories Hydra-Clean®

Part No.	Description		
15T283	Gun Bare (brass)	15T282	Gun Bare (SST)
15T280	Extension 10" (SST)	15T279	Extension 32" (SST)
247880	Gun Fitting Kit	see Manual: 406701	

Hydra-Clean® Spray tips

Part #	Mark	Spray Angle	Orifice size, "	Collar color
805584	15090	15	0.09	yellow
805538	40030	40	0.03	white
805575	00080	0	0.08	red
805549	25045	25	0.045	green
805566	40065	40	0.065	white

Dura-Flo sprayer package (Carbon Steel)

Manual: 311164

Part No.	Ratio	Description	Lower (size)	Motor
287979	23:1	Sprayer, bare	222801 (580cm³)	N65DN0
287980	23:1	Sprayer, complete with gun and hose	222801 (580cm³)	N65DN0
287981	32:1	Sprayer, bare	222796 (430cm³)	N65DN0



Graco Product Guide

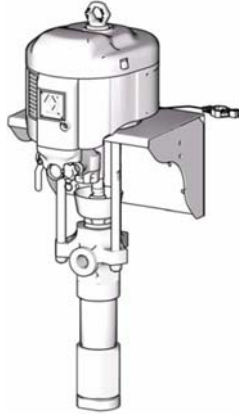
Chapter 1b

Wall-mount packages

(Stainless Steel)

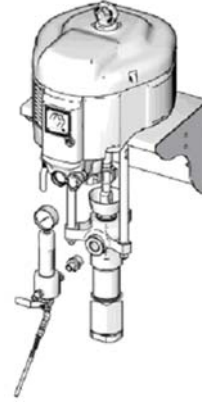
Manual: 312358

Declaration: 199226



Unit with filter

G25NXT
G45NXT



Part No.	Ratio	Pump	Motor	Lower	Suction 19L(SST)	kit 200L(SST)	Filter Kit out3/8"NPT
416 MSN	16:1	P16MSE	N22LT0	247192 (290cc)	247477*	247478*	247480*
516 MSN	16:1	P16MSE	N22LT0	247192 (290cc)	247477	247478*	247480
616 MSN	16:1	P16MSE	N22LT0	247192 (290cc)	247477*	247478	247480
425 MSN	25:1	P25MSE	N34 LT0	237514 (290cc)	247477*	247478*	247480*
525 MSN	25:1	P25MSE	N34 LT0	237514 (290cc)	247477	247478*	247480
625 MSN	25:1	P25MSE	N34 LT0	237514 (290cc)	247477*	247478	247480
430 MSN	30:1	P30MSE	N34 LT0	236470 (220cc)	247477*	247478*	247480*
530 MSN	30:1	P30MSE	N34 LT0	236470 (220cc)	247477	247478*	247480
630 MSN	30:1	P30MSE	N34 LT0	236470 (220cc)	247477*	247478	247480
440 MSN	40:1	P40MSE	N34 LT0	236456 (180cc)	247475*	247476*	247479*
445 MSN	45:1	P45MSE	N65 LT0	237514 (290cc)	247475*	247476*	247480*
446 MSN	46:1	P46MSH	N34 LT0	236458 (145cc)	247475*	247476*	247479*

G25NXT	425 MSN	25:1	same like above (425MSN) but with filter (24F604 + Nipple 503086)	3A1203
G45NXT	445 MSN	45:1	same like above (445MSN) but with filter (24F604 + Nipple 503086)	

all lowers are SST stainless steel, with Air control, DataTrak and wall bracket

incl. Adapter 15H060 and Lock/Nut 101566 (4x) must be used only by NXT2200

* not incl. , please buy separately

Code:

X Pump		X X Ratio		X Motor Type		X Material		X Option	
1	Xtreme bare	03	3:1	M	DataTrak Low Noise	C	Carbon	N	NPT
2	Xtreme 19 Liter	04	4:1			S	Stainless	B	BSPP,SST,MaxLife
3	Xtreme 200 Liter	16	16:1	S	DataTrak Remote			T	Tri-clamp
4	DuraFlo bare	25	25:1						
5	DuraFlo 19 Liter	30	30:1						
6	DuraFlo 200 Liter	40	40:1						
7	HighFlo bare	45	45:1						
		46	46:1						

Chapter 1b

Dura – Flo pumps

(Stainless Steel)

Manual: 311828

Pump with Air motor and Lower 145cc-290cc

Manual 311826

Pump with Air motor and Lower 430 & 580cc



Technical data:

Fluid inlet size:	DF600 (145cm ³), DF750 (180cm ³):	1-1/2" npt (f)
	DF 900 (220cm ³), DF1200 (290cm ³):	2" npt(f)
	DF1800 (430cm ³), DF2400 (580cm ³):	2" npt (f)
	DF N.N. (1000cm ³):	2" npt (f)
Fluid outlet size:	DF600 (145cm ³), DF750 (180cm ³):	3/4" npt (f)
	DF 900 (220cm ³), DF1200 (290cm ³):	1" npt (f)
	DF1800 (430cm ³), DF2400 (580cm ³):	1-1/2" npt (f)*
	DF N.N. (1000cm ³) CS:	1-1/2" npt (f)
	DF N.N. (1000cm ³) SST:	1" npt (f)
Maximum Operating temperature:		65,5° C

* except Dura Flo lower 687055

Code:

P	X X			X		C		X		
Xtreme Pump	Pump size Ratio / Motor / Lower			Motor Type		Material		Package		
	06	3400cm³	1000cm³	D	De-ice	C	CarbonSteel	A*	3 UHMWPE/ 2 PTFE	
	10	6500cm³	1000cm³			S	StainlessSteel	B*	3 UHMWPE/ 2 Tuff-Stack	
	12	3400cm³	580cm³	E	De-ice & DataTrak			D*	3 PTFE / 2 leather	
	15	3400cm³	430cm³					E~	4 leather / 1 PTFE	
	16	2200cm³	290cm³	L	Low Noise			H~	3 PTFE / 2 leather	
	21	2200cm³	220cm³					S~	Severe Duty	
	23	6500cm³	580cm³	M	Low Noise DataTrak			G`	PTFE/PTFE	
	24	2200cm³	180cm³					K`	UHMWPE / leather	
	25	3400cm³	290cm³	H	High Level Sensor					
	30	3400cm³	220cm³							
	31	2200cm³	145cm³							
	32	6500cm³	430cm³							
	40	3400cm³	180cm³							
	45	6500cm³	290cm³							
	46	3400cm³	145cm³							
	57	6500cm³	220cm³							
						*Package only Pump		12:1/15:1/23:1/32:1		
						`Package only Pump		6:1 / 10:1		
						~Package only Pump		16:1 / 21:1 / 24:1 / 25:1 / 30:1/ 31:1 / 40:1 / 45:1 / 46:1		

*Package only Pump

`Package only Pump

~Package only Pump

12:1/15:1/23:1/32:1

6:1 /10:1

16:1 / 21:1 / 24:1 / 25:1 / 30:1/
31:1 / 40:1 / 45:1 / 46:1



Graco Product Guide

Chapter 1b

Dura – Flo pumps

(Stainless Steel)

Manual: 311828

Lower: 311827

Declaration: 199209

Pump with lower size: 145cm³ / 180cm³ / 220cm³ / 290cm³

Pump		Air - Motor		lower pump			spare part	
Motor & lower	(Ratio)	Air pressure max. 7Bar	Work Pressure	Number / size		Repair Kit PTFE / leather	Piston Rod	cylinder
P16DSE	16:1	N22DN0	105 Bar Max	247192 sst	Dura-Flo (290cm³)	237178	184487	184540
P16ESE		N22DT0						
P16LSE		N22LN0						
P16MSE		N22LT0						
P21DSE	21:1	N22DN0	140 Bar Max	247190 sst	Dura-Flo (220cm³)	237172	189316	189383
P21ESE		N22DT0						
P21LSE		N22LN0						
P21MSE		N22LT0						
P24DSE	24:1	N22DN0	168 Bar Max	261657 sst	Dura-Flo (180cm³)	237240	189853	189857
P24ESE		N22DT0						
P24LSE		N22LN0						
P24MSE		N22LT0						
P25DSE	25:1	N34DN0	164 Bar Max	237514 sst	Dura-Flo (290cm³)	237178	184487	184540
P25ESE		N34DT0						
P25LSE		N34LN0						
P25MSE		N34LT0						
P30HSS	30:1	N34LH0	219 Bar Max	L220SS	Dura-Flo (220cm³)	237710 UHMWPE/PTFE	189316	189383
P30LSS		N34LN0		236470 sst		237172		
P30DSE		N34DN0						
P30ESE		N34DT0						
P30LSE		N34LN0						
P30MSE		N34LT0						
P31HSS	31:1	N22LH0	210 Bar Max	L145SS	Dura-Flo (145 cm³)	237609 UHMWPE/PTFE	190172	184503
P31LSS		N22LN0		247168 sst		237234		
P31DSE		N22DN0						
P31ESE		N22DT0						
P31LSE		N22LN0						
P31MSE		N22LT0						
P40DSE	40:1	N34DN0	262 Bar max	236456 sst	Dura-Flo (180cm³)	237240	189853	189857
P40ESE		N34DT0						
P40LSE		N34LN0						
P40MSE		N34LT0						
P45DSE	45:1	N65DN0	314 Bar Max	237514 sst	Dura-Flo (290cm³)	237178	184487	184540
P45ESE		N65DT0						
P45LSE		N65LN0						
P45MSE		N65LT0						
P46HSS	46:1	N34LH0	328 Bar max	L145SS	Dura-Flo (145cm³)	237609 UHMWPE/PTFE	190172	184503
P46LSS		N34LN0		236458 sst		237234		
P46DSH		N34DN0						
P46ESH		N34DT0						
P46LSH		N34LN0						
P46MSH		N34LT0						
P57LSS	57:1	N65LN0	314 Bar Max	L220SS sst	Dura-Flo (220cm³)	UHMWPE/ PTFE 237710	189316	189383

*all lowers are SST stainless steel

Dura – Flo pumps

Manual: 311826

Lower: 311825

Chapter 1b

Pump with Lower size: 430cm³ / 580cm³

Pump	Ratio	Air – Motor	Lower pump		Repair Kit package			Spare part	
Motor & lower	Work Pressure	Air pressure max. 7Bar	Number / size		3 PTFE / 2 leather * Standard option	3 UHMWPE / 2 PTFE * Standard option	UHMWPE / Leather * Standard option	Piston Rod	cylinder
P12LCD	12: 1 (82 Bar)	Ø7,5"	222801	Dura-Flo 2400 (580cm ³)	222879*	222875	253745	184002 piston	184003 cylinder
P12LSA		N34LN0	222803		222879	222875*	253745		
P12MCD		Ø7,5"	222801		222879*	222875	253745		
P12MSA		N34LT0	222803		222879	222875*	253745		
P12DCD		Ø7,5"	222801		222879*	222875	253745		
P12DSA		N34DN0	222803		222879	222875*	253745		
P12ECD		Ø7,5"	222801		222879*	222875	253745		
P12ESA		N34DT0	222803		222879	222875*	253745		
P12LSM		Ø7,5"	L580SM		222879	222875	253745*		
P12LSS		N34LN0	L580SS		222879	222 875*	253745		
P12HSM		Ø7,5	L580SM		222879	222875	253745*		
P12HSS		N34LH0	L580SS		222879	222 875*	253745		
P15LCD	15: 1 (109 Bar)	Ø7,5"	222796	Dura-Flo 1800 (430cm ³)	222849*	222848		184276 piston	184461 cylinder
P15LSB		N34LN0	687055		222849	222848	(no Kit number)*		
P15MCD		Ø7,5"	222796		222849*	222848			
P15MSB		N34LT0	687055		222849	222848	(no Kit number)*		
P15ESB		Ø7,5"	687055		222849	222848	(no Kit number)*		
P15DCD		N34DN0	222796		222849*	222848			
P15DSB		Ø7,5"	687055		222849	222848	(no Kit number)*		
P15ECD		N34DT0	222796		222849*	222848			
P23LCD	23: 1 (157 Bar)	Ø10,4	222801	Dura-Flo 2400 (580cm ³)	222879*	222875		184002 piston	184003 cylinder
P23LSA		N65LN0	222803		222879	222875*			
P23MCD		Ø10,4	222801		222879*	222875			
P23MSA		N65LT0	222803		222879	222875*			
P23DCD		Ø10,4	222801		222879*	222875			
P23DSA		N65DN0	222803		222879	222875*			
P23ECD		Ø10,4	222801		222879*	222875			
P23ESA		N65DT0	222803		222879	222875*			
P32LCD	32: 1 (209 Bar)	Ø10,4	222796	Dura-Flo 1800 (430cm ³)	222849*	222848		184276 piston	184461 cylinder
P32LSB		N65LN0	687055		222849	222848	(no Kit number)*		
P32MCD		Ø10,4	222796		222849*	222848			
P32MSB		N65LT0	687055		222849	222848	(no Kit number)*		
P32ESB		Ø10,4	687055		222849	222848	(no Kit number)*		
P32DCD		N65DN0	222796		222849*	222848			
P32DSB		Ø10,4	687055		222849	222848	(no Kit number)*		
P32ECD		N65DT0	222796		222849*	222848			

*CS (Carbon Steel)

*SST (Stainless Steel)



Graco Product Guide

Chapter 1b

Dura – Flo pumps

Manual: 311833

Lower: 311717

Pump with Lower size: 1000cm³

Pump	Ratio	Air – Motor	lower pump		Repair Kit lower		spare part	
motor & lower	Work Pressure	Air pressure max. 7Bar	Number / size		PTFE / PTFE	UHMWPE / Leather	Rod displacement	cylinder
P06DCK	6 : 1 253597 = 81 Bar 253596 = 45,5 bar	N34DN0	253597	Dura-Flo N.N (1000cm ³)	---	223439	217478	181269
P06DSG			253596		207349	---	206451	166067
P06ECK		N34DT0	253597		---	223439	217478	181269
P06ESG			253596		207349	---	206451	166067
P06LCK		N34LN0	253597		---	223439	217478	181269
P06LSG			253596		207349	---	206451	166067
P06MCK		N34LT0	253597		---	223439	217478	181269
P06MSG			253596		207349	---	206451	166067
P10DCK	10 : 1 81 Bar	N65DN0	253597	Dura-Flo N.N (1000cm ³)	---	223439	217478	181269
P10ECK		N65DT0	253597		---	223439	217478	181269
P10LCS			L10XCS		---	223439	217478	181269
P10LCK		N65LN0	253597		---	223439	217478	181269
P10MCK		N65LT0	253597		---	223439	217478	181269

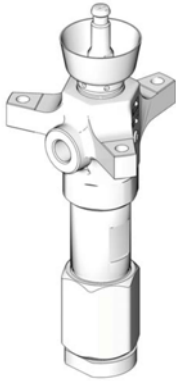
*CS (Carbon Steel)

*SST (Stainless Steel)

Chapter 1b

Dura – Flo Lowers 145cm³ & 290cm³

Manual: 311827



145cc-290cc

Technical data:

Fluid inlet size 145cm ³ /180cm ³ : 220cm ³ /290cm ³	1-1/2 npt (f) 2" npt(f)
Fluid outlet size: 145cm ³ /180cm ³ : 220cm ³ /290cm ³	3/4" npt (f) 1" npt (f)

Part No	Description	Rep. kit gasket * = Standard option			
		Leather/ PTFE	UHMWPE/ Leather	UHMWPE/ PTFE	PTFE
247168‡	DF 600 (145cm ³) SST (leather/PTFE)	237234*	237238	237609	237236
236458	DF 600 (145cm ³) SST (leather/PTFE)	237234*	237238	237609	237236
241177	DF 600 (145cm ³) SST (UHMWPE/PTFE)	237234	237238	237609*	237236
L145SS	DF 600 (145cm ³) SST (UHMWPE/PTFE)	237234	237238	237609*	237236
L14BSS	DF 600 (145cm ³) SST (UHMWPE/PTFE)	237234	237238	237609*	237236
236456	DF 750 (180cm ³) SST (leather/PTFE)	237240*	237244	237608	237242
261657‡	DF 750 (180cm ³) SST (leather/PTFE)	237240*	237244	237608	237242
L180SS	DF 750 (180cm ³) SST (UHMWPE/PTFE)	237240	237244	237608*	237242
236470	DF 900 (220cm ³) SST (leather/PTFE)	237172*	237174	237710	237173
247190‡	DF 900 (220cm ³) SST (leather/PTFE)	237172*	237174	237710	237173
248816	DF 900 (220cm ³) SST (Throat UHMWPE / Piston PTFE)	237172	237174	237710	237173
236897	DF 900 (220cm ³) SST (PTFE)	237172	237174	237710	237173*
L220SS	DF 900 (220cm ³) SST (UHMWPE/PTFE)	237172	237174	237710*	237173
L220BSS	DF 900 (220cm ³) SST (UHMWPE/PTFE)	237172	237174	237710*	237173
237514	DF 1200 (290cm ³) SST (leather/PTFE)	237178*	237180	237713	237179
247192‡	DF 1200 (290cm ³) SST (leather/PTFE)	237178*	237180	237713	237179
237515	DF 1200 (290cm ³) SST (leather/UHMWPE)	237178	237180*	237713	237179
236490	DF 1200 (290cm ³) SST (PTFE)	237178	237180	237713	237179*
L290SS	DF 1200 (290cm ³) SST (UHMWPE/PTFE)	237178	237180	237713*	237179
24B923	DF 1200 (290cm ³) SST (UHMWPE/CF-PTFE) Hydra-Clean®	24C162 UHMWPE/ carbon filled PTFE			

‡ This lower's can be connected only to NXT 2200 size motors



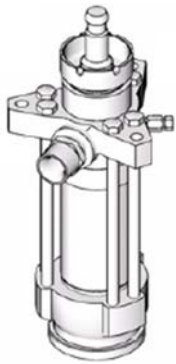
Graco Product Guide

Chapter 1b

430cc-580cc

Dura – Flo Lowers 430cm³ & 580cm³
only Lower 247599

Manual: 311825
Manual: 312745



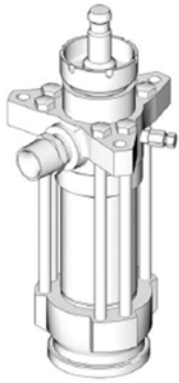
Fluid inlet size	2" npt(f)
Fluid outlet size: only 687055 all other	¾" npt (f) 1 ½" npt (f)

Description			Rep. kit gasket * = Standard option			
			Leather/ PTFE	UHMWPE/ Leather	UHMWPE/ PTFE	PTFE
222796	DF 1800 (430cm³) CS,	3 PTFE/2 leather	222849*	222848	222845	222846
222988	DF 1800 (430cm³) CS,	5 PTFE	222849	222848	222845	222846*
222805	DF 1800 (430cm³) SST,	3 UHMWPE/2 PTFE	222849	222848	222845*	222846
241956	DF 1800 (430cm³) SST,	3 UHMWPE/2 PTFE	222849	222848	222845*	222846
246925	DF 1800 (430cm³) SST,	3 UHMWPE/2 leather	222849	222848*	222845	222846
246987	DF 1800 (430cm³) SST,	4 leather, 3 UHMWPE throat/ 3 UHMWPE, 2 leather piston	222850*			
246988	DF 1800 (430cm³) SST,	4 leather, 3 UHMWPE throat/ 3 UHMWPE, 2 leather piston				
249992	DF 1800 (430cm³) SST.	4 leather, 3 UHMWPE throat/ 3 UHMWPE, 2 UHMWPE piston	253744*			
687055	DF 1800 (430cm³) SST.	3 UHMWPE/2 carbon-filled PTFE	no kit number			
C59703	DF 1800 (430cm³) SST,	3 UHMWPE/2 PTFE / carbid balls	222849	222848	222845*	222846
L430CS	DF 1800 (430cm³) CS,	3 UHMWPE/2 PTFE	222849	222848	222845*	222846
L430SS	DF 1800 (430cm³) SST,	3 UHMWPE/2 PTFE	222849	222848	222845*	222846
L430SM	DF 1800 (430cm³) SST,	4 leather, 3 UHMWPE throat/ 3 UHMWPE, 2 leather piston	253744*			
222991	DF 2400 (580cm³) CS	4 leather/1 PTFE backup	222877*	222878	222875	222876
222992	DF 2400 (580cm³) CS	5 PTFE	222879	222878	222875	222876*
222801	DF 2400 (580cm³) CS	3 PTFE/2 leather	222879*	222878	222875	222876
222803	DF 2400 (580cm³) SST	3 UHMWPE/2 PTFE	222879	222878	222875*	222876
222993	DF 2400 (580cm³) SST	3 PTFE/2 leather	222879*	222878	222875	222876
222994	DF 2400 (580cm³) SST	5 PTFE	222879	222878	222875	222876*
236226	DF 2400 (580cm³) SST	3 UHMWPE/2 PTFE	222879	222878	222875*	222876
236230	DF 2400 (580cm³) SST	4 leather/1 PTFE backup	222877*	222878	222875	222876
247599	DF 2400 (580cm³)SST	PTFE and carbon-filled PTFE packing's	(max 87 bar)	247881*		
241648	DF 2400 (580cm³) SST	3 UHMWPE/2 carbon-filled PTFE	222880*			
249991	DF 2400 (580cm³) SST	4 leather, 3 UHMWPE throat/ 3 UHMWPE, 2 UHMWPE piston	253745*			
15F298	DF 2400 (580cm³) SST	4 leather, 3 UHMWPE throat/ 3 UHMWPE, 2 leather piston	222879	222881*	222875	222876
L580CS	DF 2400 (580cm³) CS	3 UHMWPE/2 PTFE	222879	222878	222875*	222876
L580SS	DF 2400 (580cm³) SST	3 UHMWPE/2 PTFE	222879	222878	222875*	222876
L580SM	DF 2400 (580cm³) SST	4 leather, 3 UHMWPE throat/ 3 UHMWPE, 2 leather piston	253745*			

Chapter 1b

Dura – Flo Lowers 430cm³ & 580cm³ U-Cups

Manual: 3A0022



430cc - 580cc U-Cup

Technical data:

Fluid inlet size:	2 in. npt(f)
Fluid outlet size:	3/4 in. npt(m)
Lower effective area :	Dura-Flo 430cc: 18cm ² Dura-Flo 580cc: 24cm ²
Maximum fluid working pressure :	Dura-Flo 430: 310 bar Dura-Flo 580: 240 bar

L	xxx	S		x	
Displacement pump	Output in cm ³ /cycle	Material		Wetcup	
	430	S	Stainless Steel	1	Chromex Coating, U-cups, open wet cup
	580	C	Carbon Steel	2	Chromex Coating, U-cups, enclosed wet cup (only for carbon steel lowers)

Part No.	description	Seal and Bearing Replacement Kits	Enclosed Wet cup Lid Seal Kits	Enclosed Wet cup Conversion Kits
L430S1	U-Cup Dura Flo 430cm ³ SST	24E212	24E215	24E217
L430S2	U-Cup Dura Flo 430cm ³ SST	24E212	24E215	24E217
L580S1	U-Cup Dura Flo 580cm ³ SST	24E213	24E216	24E218
L580S2	U-Cup Dura Flo 430cm ³ SST	24E213	24E216	24E218



Graco Product Guide

Chapter 1b

Dura – Flo Lowers 1000cc

Manual: 311717

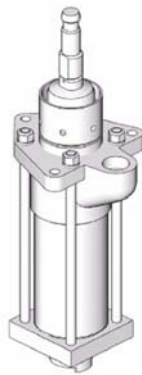
Manual: 311716

1000cm³ SST & CS

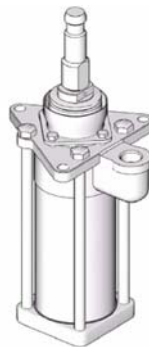
Technical data:

Fluid inlet size:	2 in. npt(f)
Fluid outlet size: 253596 253597 / L10XCS	1 in. npt(f) 1-1/2 in. npt(f)
Max. fluid working pressure: 253596 253597 / L10XCS	45,5 bar 81 bar

Part No.	description	Rep Kit
253596	DF 1000 (1000cm ³) SST (PTFE Carbon-filled)	207349
253597	DF 1000 (1000cm ³) CS (UHMWPE/leather)	223439
L10XCS	DF 1000 (1000cm ³) CS (2xPTFE/4xUHMWPE)	224443



253597 (cs)
L10XCS (cs)



253596 (sst)

Lower 1000cm³

Chapter 1b

Dura – Flo Accessories

Manual: 311717

Part No.	Description	Manual
247475	Suction Kit SST 1-½" in. 5 Gal (19 Liter) (for lower 145cm³ & 180cm³)	312358
247476	Suction Kit SST 1-½" in. 55 Gal (200 Liter) (for lower 145cm³ & 180cm³)	
247477	Suction Kit SST 2" in. 5 Gal (19 Liter)	
247478	Suction Kit SST 2" in. 55 Gal (200 Liter)	
189920+	Strainer SST 1" , 8 Mesh	
247479	Kit - Fluid Filter SST inlet ¾" (incl. 167025, 60 Mesh) (for lower 145cm³ & 180cm³)	307273
247480	Kit - Fluid Filter SST inlet 1" (incl. 167025, 60 Mesh)	
159239+	Adapter ½" - ¾" need for use Kit 247474 with lower 115cm³	
287884	2 wheels cart, heavy duty 289279 must be used by NXT2200	
255143	Bracket mounting 247312 must be used by NXT2200	312148
247312	Adapter for using 255143 or 287884 by NXT2200	
289279	Cart Adapter	406677
288204	Connection Kit - large Dura-Flo (430cm³, 580cm³) 391mm (15,4 inc.)	3400, 6500
288205	Connection Kit - small Dura-Flo (145cm³, 180cm³, 220cm³, 290cm³) 391mm (15,4 inc.)	2200, 3400, (6500)
288206	Connection Kit 1000cc Dura-Flo (1000cm³) 391mm (15,4 inc.)	3400

+not shown

Suction Kit

19Liter



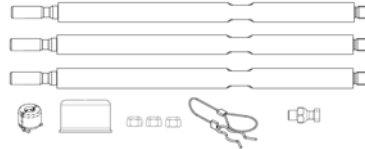
247475
247477

200Liter



247476
247478

Connection Kit



288204
288205
288206

Filter Kit



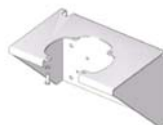
247479
247480

Cart Adapter Kit



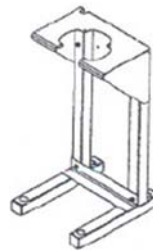
289279

Bracket Mounting



255143

Stand



253692

Heavy Duty

Cart

287884



Adapter plate

247312



Lock Nut
(adapter plate)
4x 101566



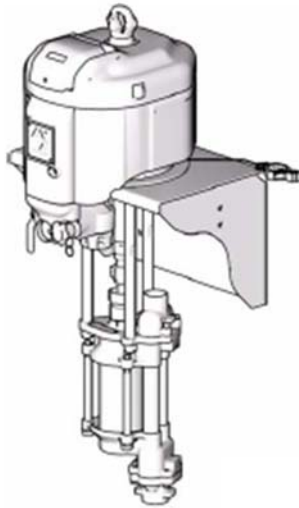
Graco Product Guide

Chapter 1b

Wall-mount packages
High Flo (4-ball pump)

Manual: 312358
Declaration: 199227

HIGH-FLO® “mid range”



All models with
data Track
Low Noise
Air-control
NXT011

High-Flo Package	Ratio	Pump	Motor	Lower	Fluid inlet
703MSN	3:1	JS30M1	N22LT0	24D458 (1500cc)	1-1/2" NPT
703MST	3:1	JS30M5	N22LT0	24D463 (1500cc)	1-1/2" tri-clamp
703SSN	3:1	JS30S1	N22LT0	24D458 (1500cc)	1-1/2" NPT
703SST	3:1	JS30S5	N22LT0	24D463 (1500cc)	1-1/2" tri-clamp
704MSN	4:1	JS40M1	N22LT0	24D451 (1000cc)	1-1/2" NPT
704MST	4:1	JS40M5	N22LT0	24D456 (1000cc)	1-1/2" tri-clamp
704SSN	4:1	JS40S1	N22RT0	24D451 (1000cc)	1-1/2" NPT
704SST	4:1	JS40S5	N22RT0	24D456 (1000cc)	1-1/2" tri-clamp

*all lowers are SST stainless steel

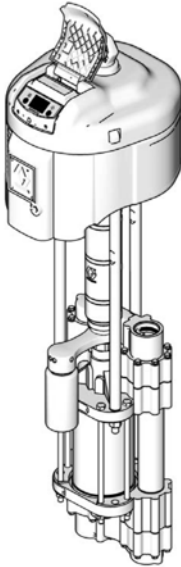
All pumps incl. adapter 15H060 (1x) and lock/nut 101566 (4x)

Code:

X Pump		X X Ratio		X Motor Type		X Material		X Option	
1	Xtreme bare	03	3:1	M	DataTrak Low Noise	C	Carbon	N	NPT
2	Xtreme 19 Liter	04	4:1			S	Stainless	T	Tri-clamp
3	Xtreme 200 Liter	16	16:1	S	DataTrak Remote				
4	DuraFlo bare	25	25:1						
5	DuraFlo 19 Liter	30	30:1						
6	DuraFlo 200 Liter	40	40:1						
7	HighFlo (bare)	45	45:1						
		46	46:1						

Chapter 1b

High Flo (4-ball pump)



Manual
large range:
Lower:
Lower: old:

3A0538
3A0540
311831

Manual
mid range:
Lower:
Lower old:

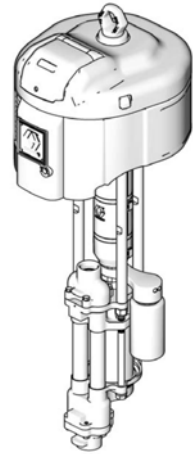
3A0538
3A0539
311690

High Flo

4,4:1 (3000cc)
3,3:1 (4000cc)
2,3:1 (3000cc)
1,7:1 (4000cc)

Mid range

2:1 (2000cc)
3:1 (1500cc)
3,5:1 (2000cc)
4:1 (1000cc)
4,5:1 (1500cc)



Technical data:

„mid Range“	
Fluid inlet size:	1½" npt (f) / 1½" tri-clamp
Fluid outlet size:	1" npt (f) / 1½" tri-clamp
Maximum Operating temperature:	65,5 ° C
High Flo	
Fluid inlet size:	2" npt (f)
Fluid outlet size:	2" npt (f)
Maximum Operating temperature:	65,5 ° C

Code:

J	X	X X			X	X		
Pump High-Flo	Pump material	Pump Motor / Lower			Motor Type	Package		
		Motor	LR=large range MR=mid range					
	C Carbon	17	3400cm³	4000cm³ LR	L	Low Noise	1	NPT, SST , Stanard
	S Stainless	20	2200cm³	2000cm³ MR			2	NPT, SST , MaxLife
		23	3400cm³	3000cm³ LR	M	Low Noise	3	N.N (old BSP version)
		30	2200cm³	1500cm³ MR		DataTrak	4	N.N (old BSP version)
		33	6500cm³	4000cm³ LR	R	Remote	5	Tri-clamp, SST Standard
		35	3400cm³	2000cm³ MR			6	Tri-clamp, SST MaxLife
		40	2200cm³	1000cm³ MR	S	Remote	7	NPT, CS, Standard
		44	6500cm³	3000cm³ LR		DataTrak		
		45	3400cm³	1500cm³ MR				



Graco Product Guide

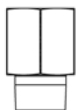
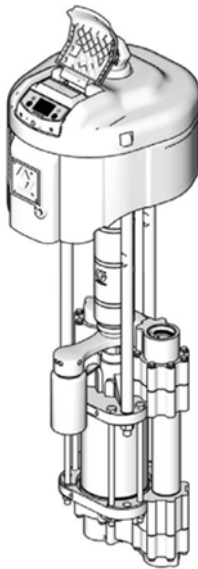
Chapter 1b

High Flo (4-ball pump)

Motor: 3400cm³ / 6500cm³

Lower: 3000cm³ / 4000cm³

Manual: 3A0538
motor: 311238
lower: 3A0540



Fitting adapter:
Inlet&outlet

16F046
2-11/2 NPT (m)
Iso 228/1-G 2 (f)

Pump	Ratio	Motor	Lower: inlet 2”npt / outlet 2” npt				
motor & lower		Motor NXT	High-Flo Lower kit	High-Flo lower	Spacer open wet cup	Material housing	cc /cycle
JC17L1	1,7:1	N34LN0	24F453	24E184	16E536	CS	4000
JC17M1		N34LT0					
JS17L1		N34LN0	24F451	24E183		SST	
JS17L2			24F452	24E185			
JS17M1		N34LT0	24F451	24E183			
JS17M2			24F452	24E185			
JS17R1		N34RN0	24F451	24E183			
JS17R2			24F452	24E185			
JS17S1		N34RT0	24F451	24E183			
JS17S2			24F452	24E185			
JC23L1	2,3:1	N34LN0	24F450	24E181	16E536	CS	3000
JC23M1		N34LT0					
JS23L1		N34LN0	24F448	24E180		SST	
JS23L2			24F449	24E182			
JS23M1		N34LT0	24F448	24E180			
JS23M2			24F449	24E182			
JS23R1		N34RN0	24F448	24E180			
JS23R2			24F449	24E182			
JS23S1		N34RT0	24F448	24E180			
JS23S2			24F449	24E182			
JC33L1	3,3:1	N65LN0	24F453	24E184	16E536	CS	4000
JC33M1		N65LT0					
JS33L1		N65LN0	24F451	24E183		SST	
JS33L2			24F452	24E185			
JS33M1		N65LT0	24F451	24E183			
JS33M2			24F452	24E185			
JS33R1		N65RN0	24F451	24E183			
JS33R2			24F452	24E185			
JS33S1		N65RT0	24F451	24E183			
JS33S2			24F452	24E185			
JC44L1	4,4:1	N65LN0	24F450	24E181	16E536	CS	3000
JC44M1		N65LT0					
JS44L1		N65LN0	24F448	24E180		SST	
JS44L2			24F449	24E182			
JS44M1		N65LT0	24F448	24E180			
JS44M2			24F449	24E182			
JS44R1		N65RN0	24F448	24E180			
JS44R2			24F449	24E182			
JS44S1		N65RT0	24F448	24E180			
JS44S2			24F449	24E182			

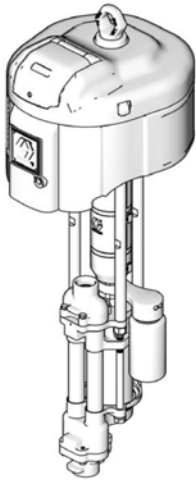
Chapter 1b

High Flo® "mid Range" (4-ball pump)

Manual: 311211
 motor: 311238
 lower: 3A0539
 lower old: 311690

SST - LOWERS

motor: 2200 cm³ / 3400 cm³
 lower: 1000 cm³ / 1500 cm³ / 2000 cm³

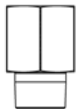


**Fitting adapter:
Inlet&outlet**

16F045
 1 1/2 -11/1/2 NPT (m)
 Iso 228/1-G 1 1/2 (f)

16G834
 1 -11/1/2 NPT (m)
 Iso 228/1-G 1 1/4 (f)

Pump	Ratio	Motor	Lower	inlet 1-1/2"npt / outlet 1" npt	
motor & lower		Motor NXT	High-Flo lower	Material housing	cc /cycle
JS20L1	2:1	N22LN0	24D465	sst	2000
JS20L2			24D471		
JS20L5			24D469		
JS20L6			24D470		
JS20M1		N22LT0	24D465		
JS20M2			24D471		
JS20M5			24D469		
JS20M6			24D470		
JS20R1		N22RN0	24D465		
JS20R2			24D471		
JS20R5			24D469		
JS20R6			24D470		
JS20S1		N22RT0	24D465		
JS20S2			24D471		
JS20S5			24D469		
JS20S6			24D470		
JS30L1	3:1	N22LN0	24D458	sst	1500
JS30L2			24D459		
JS30L5			24D463		
JS30L6			24D464		
JS30M1		N22LT0	24D458		
JS30M2			24D459		
JS30M5			24D463		
JS30M6			24D464		
JS30R1		N22RN0	24D458		
JS30R2			24D459		
JS30R5			24D463		
JS30R6			24D464		
JS30S1		N22RT0	24D458		
JS30S2			24D459		
JS30S5			24D463		
JS30S6			24D464		



Part	Fitting to convert NPT-Pump to BSPP-Pump	
	Inside thread	Outside thread
16F044	ISO 228/1-G 1	1 - 11 1/2 NPT
16G834	ISO 228/1-G 1 1/4	1 - 11 1/2 NPT
16F045	ISO 228/1-G 1 1/2	1 1/2 - 11 1/2 NPT
16F046	ISO 228/1-G 2	2 - 11 1/2 NPT



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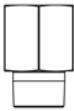
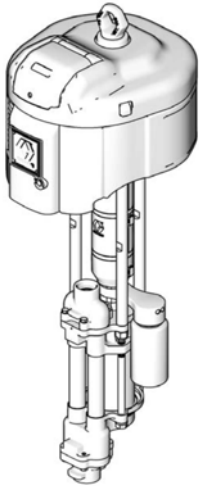
Chapter 1b

High Flo® "mid Range"

(4-ball pump)

SST - LOWERS

Manual: 311211
motor: 311238
lower: 3A0539
lower old: 311690



Fitting adapter:
Inlet&outlet

16G834
 1 -11/1/2 NPT (m)
 Iso 228/1-G 1¼ (f)

16F045
 11/2 -11/1/2 NPT (m)
 Iso 228/1-G1 ½ (f)

Pump	Ratio	Motor	Lower inlet 1-1/2" npt / outlet 1" npt		
motor & lower		Motor NXT	High-Flo lower	Material housing	cc /cycle
JS35L1	3,5:1	N34LN0	24D465	sst	2000
JS35L2			24D471		
JS35L5			24D469		
JS35L6			24D470		
JS35M1		N34LT0	24D465		
JS35M2			24D471		
JS35M5			24D469		
JS35M6			24D470		
JS35R1		N34RN0	24D465		
JS35R2			24D471		
JS35R5			24D469		
JS35R6			24D470		
JS35S1		N34RT0	24D465		
JS35S2			24D471		
JS35S5			24D469		
JS35S6			24D470		
JS40L1	4:1	N22LN0	24D451	sst	1000
JS40L2			24D452		
JS40L5			24D456		
JS40L6			24D457		
JS40M1		N22LT0	24D451		
JS40M2			24D452		
JS40M5			24D456		
JS40M6			24D457		
JS40R1		N22RN0	24D451		
JS40R2			24D452		
JS40R5			24D456		
JS40R6			24D457		
JS40S1		N22RT0	24D451		
JS40S2			24D452		
JS40S5			24D456		
JS40S6			24D457		
JS45L1	4,5:1	N34LN0	24D458	sst	1500
JS45L2			24D459		
JS45L5			24D463		
JS45L6			24D464		
JS45M1		N34LT0	24D458		
JS45M2			24D459		
JS45M5			24D463		
JS45M6			24D464		
JS45R1		N34RN0	24D458		
JS45R2			24D459		
JS45R5			24D463		
JS45R6			24D464		
JS45S1		N34RT0	24D458		
JS45S2			24D459		
JS45S5			24D463		
JS45S6			24D464		

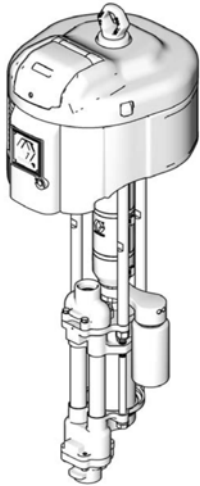
Chapter 1b

High Flo® "mid Range" (4-ball pump)

Manual: 311211
 motor: 311238
 lower: 3A0539
 lower old: 311690

CARBON STEEL - LOWERS

Motor: 2200 cm³ / 3400 cm³ / 6500 cm³
lower: 1000 cm³ / 1500 cm³ / 2000 cm³ / 3000 cm³ / 4000 cm³



Pump	Ratio	Motor	Lower inlet 1-1/2"npt / outlet 1" npt		
motor & lower		Motor NXT	High-Flo lower	Material housing	cc /cycle
JC20L1	2:1	N22LN0	24D466	Carbon Steel	2000
JC20M1		N22LT0			
JC20N1		N22LLO			
JC30M1	3:1	N22LN0	253062		1500
JC30M7		N22LT0			
JC30N7		N22LLO			
JC33L1	3,3:1	N65LN0	243733		4000
JC33M1		N65LT0			
JC33N1		N65LLO			
JC35L1	3,5:1	N34LN0	253063		2000
JC35M1		N34LT0			
JC35N1		N34LLO			
JC40L7	4:1	N22LN0	253061		1000
JC40M7		N22LT0			
JC40N7		N22LLO			
JC44L1	4,4:1	N65LN0	243732		3000
JC44M1		N65LT0			
JC44N1		N65LLO			
JC45L7	4,5:1	N34LN0	253062		1500
JC45M7		N34LT0			
JC45N7		N34LLO			



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Chapter 1b

HighFlo (4-ball pump)

Accessories

Part No.	Description
+16F044	Inlet / Outlet Fitting for 1" npt to 1" bspp
+16F045	Inlet / Outlet Fitting for 1-1/2" npt to 1-1/2bspp
+16F046	Inlet / Outlet Fitting for 2" npt to 2" bspp
+16G834	Inlet / Outlet Fitting for 1" npt to 1-1/4" bspp
+15J423	Inlet / Outlet Fitting for 2" Tri-Clamp to 2" npt
+15J639	Inlet / Outlet Fitting for 1-1/2" Tri-Clamp to 2"Tri-Clamp
196321	Adapter inlet / outlet 2" NPT (f) to 2" BSPP (m)
261721	Kit Cup Booster TSL "mid range" old style
247362	Cover moisture
218742	Stand Mounting – Kit (incl. screws and washer)

+not shown

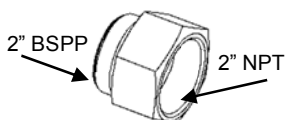
Connection Kit

Manual: 311876

Part. No.	Description	connect to:
288209	Large mid range High-Flo 1000/1500/2000 362 mm (14,25 inc.) 3x nut 108683, 3x Rod 111368, 1xAdapter 15H396, 1x nut 184059, 2x collar 184128	NXT2200, NXT3400
288202	Old High-Flo to NXT Connection Small mid range High-Flo 750/1000/1500 362 mm (14,25 inc.)	NXT2200, NXT3400
288203	High-Flo Plus 490 mm (19,307 inc.)	NXT6500
288210	Large mid range High-Flo 1000/1500/2000 362 mm (14,25 inc.)	Viscount 1+
288208	High-Flo with torque able Throat Packings Large mid range High-Flo 1000/1500/2000 656 mm /13,625 inc.)	Bulldog/Senator
24F308	High-Flo with spring loaded Throat Packings mid range High-Flo 1000/1500	
288504	High-Flo with torque able Throat Packings Large mid range High-Flo 1000/1500/2000 (only Piston connect)	President Viscount 1+
24F065	High-Flo with spring loaded Throat Packings Large mid range High-Flo 1000/1500/2000 362 mm (14,25 inc.)	

Suction kit 2" to 1"

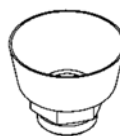
Material	Bushing	Swivel	Hose	Tube	Strainer (Filter) 8 Mesh
Brass - CS - CS - Alu - sst	102283	102806	237522	197682	189920
Brass - SST - SST - Alu - sst	102283	504045	214959	197682	189920
sst – Alu	6878110		214959	197682	189920



196321



247362
Cover
Moisture



261721
Wet cup Kit
"mid range"
old style



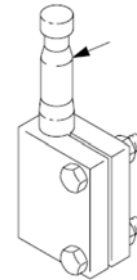
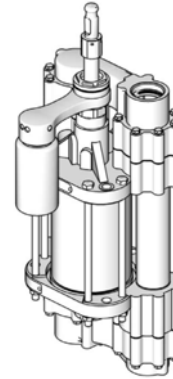
218742

Chapter 1b

**HighFlo lower (4-ball pump)
3000cm³ and 4000cm³ Model**

technical data:

Manual:	3A0540 (old 311832)
Inlet	2" NPT
Outlet	2" NPT
Max working pressure	3000cc = 28bar 4000cc = 21bar
Maximum Fluid Temperature Rating	150°F (66°C)

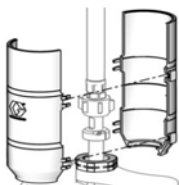
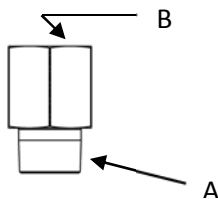


Tool Kit
220385

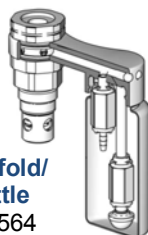
HIGH-FLO Lower				Seal Kit		throat packing		Complete Repair Kits	TSL Pump Repair Kit
Part No.	Material housing	cycle (cm ³)	Material rod / cylinder	UHMWPE UHMWPE (Standard*)	UHMWPE PTFE (Option)	UHMWPE leather (Standard*)	PTFE (Option)	UHMWPE/ leather (Standard*)	
24F448	SST	3000	Chromex/Chrome	243728	235855	24F247	24F248	24F664	24F618
24F449	SST		Chromex/MaxLife						
24F450	CS		Chromex/Chrome						
24F451	SST	4000	Chromex/Chrome	243729	235854			24F665	
24F452	SST		Chromex/MaxLife						
24F453	CS		Chromex/Chrome						
24J888	SST		Chromex/Chrome						

**Adapter
NPT-BSPP**

16F044
16F045
16F046



24F254



**Manifold/
Bottle**
24E564
(RepKit 24F404)

accessories:

Part No.	Description	Thread A (m)	Thread B (f)
16F044	Fitting adapter: Inlet&outlet	1 - 11/1/2 NPT	Iso 228/1-G 1
16G834	Fitting adapter: Inlet&outlet	1 - 11/1/2 NPT	Iso 228/1-G 1-1/4
16F045	Fitting adapter: Inlet&outlet	1½ - 11/1/2 NPT	Iso 228/1-G 1½
16F046	Fitting adapter: Inlet&outlet	2 - 11/1/2 NPT	Iso 228/1-G 2
15J639	Fitting adapter: Inlet&outlet	1½ - 11/1/2 NPT	2" NPT
15J423	Fitting adapter: Inlet&outlet	2 - 11/1/2 NPT	2" Tri - Clamp
220385	Tool Kit (see above)		
24E564	Manifold/Bottle / Rep Kit 24F404		
24F254	Shield Kit (manual : 406876)		
24F145	Torquable and Open Wet-Cup Kit - 3000 & 4000CC lowers (406866)		

Throat Seal upgrade Kits "Large High Flow"

Manual 406877

⚡24H350	Enclose Wet Cup Kit for 2000cc lower SST	⚡24H351	Same like 24H351 but in CS
⚡24F285	Enclose Wet Cup Kit for 3000cc lower SST	⚡24F286	Same like 24F285 but in CS
⚡24H354	Enclose Wet Cup Kit for 4000cc lower SST	⚡24H355	Same like 24F354 but in CS

⚡ not shown



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HighFlo mid range lower (4-ball pump)

technical data:

Manual:	3A0539 (old 311690)
Inlet	1-1/2 NPT / 1 1/2" tri-clamp
Outlet	1" NPT / 1 1/2" tri-clamp
Max working pressure	750cc – 2000cc = 32bar
Maximum Fluid Temperature Rating	150°F (66°C)



Mid Range - Lower				Seal Kit	throat packing				Complete Repair Kits	TSL Pump Repair Kit
Part No.	Material housing	cycle (cm ³ /)	Material rod / cylinder							
24F413	SST	750	Chromex /Chrome	UHMWPE (Standard) 16E904 UHMWPE/ PTFE (Option) 16E895	UHMWPE/ leather (Standard) 24F245	PTFE (Option) 24F243	LEATHER (Option) 24F244	UHMWPE (Option) 24F246	UHMWPE/ leather 24F660	24F617
24F415										
24F417										
24F446										
24F421			Chromex /MaxLife							
24F414										
24F422										
24F416										
24F418	CS	Chromex /Nitride								
24F420										
24F423										
24F431	CS	1000	Chromex /Chrome	UHMWPE (Standard) 277360 UHMWPE/ PTFE (Option) 277361	UHMWPE/ leather (Standard) 24F245	PTFE (Option) 24F243	LEATHER (Option) 24F244	UHMWPE (Option) 24F246	UHMWPE/ leather 24F661	24F617
24F424	SST									
24F426										
24F428										
24F425			Chromex /MaxLife							
24F427										
24F429										
24F439	CS	1500		Chromex /Chrome	UHMWPE (Standard) 277362 UHMWPE/ PTFE (Option) 277363	UHMWPE/ leather (Standard) 24F245	PTFE (Option) 24F243	LEATHER (Option) 24F244	UHMWPE (Option) 24F246	UHMWPE/ leather 24F662
24F432	SST									
24F434										
24F436										
24F433			Chromex /MaxLife							
24F435										
24F437										
24F447	CS	2000		Chromex /Chrome	UHMWPE (Standard) 277358 UHMWPE/ PTFE (Option) 277359	UHMWPE/ leather (Standard) 24F245	PTFE (Option) 24F243	LEATHER (Option) 24F244	UHMWPE (Option) 24F246	UHMWPE/ leather 24F663
24F440	SST									
24F441										
24F444										
24F442			Chromex /MaxLife							
24F443										
24F445										

⚡ These models are for use with Graco E-Flo Pumps only

▼ Drum Size Lowers, with open wet-cup

■ tri-clamp

Chapter 1b

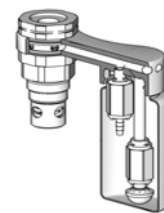
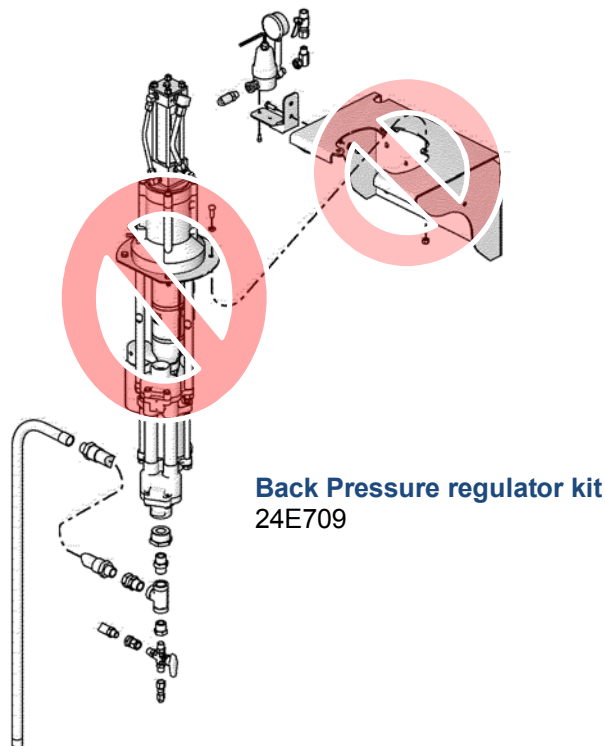
HighFlo mid range lower (4-ball pump)

Accessories		Manual
24F293	Lower Upgrade Kit for 750cc, 1000cc, 1500cc, 2000cc Lowers	3A1700
24E709	Back Pressure regulator kit 12,4 (max.inlet pressur 21 Bar)	3A0873

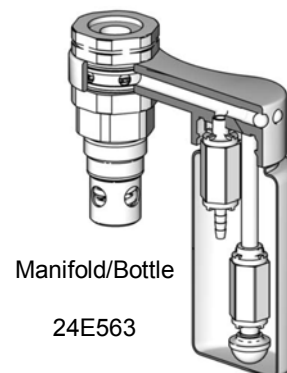
Throat Seal upgrade Kits "mid High Flow":		Manual
24F062	Enclose Wet Cup Kit for 1000cc lower CS	406863
24H347	Enclose Wet Cup Kit for 1500cc lower CS	
24H349	Enclose Wet Cup Kit for 2000cc lower CS	
24E664	Enclose Wet Cup Kit for 1000cc lower SST	
24H346	Enclose Wet Cup Kit for 1500cc lower SST	
24H348	Enclose Wet Cup Kit for 2000cc lower SST	406865
24F144	Conversion spring-loaded throat packing to torqueable ones	
not shown		

Throat Seal upgrade Kits for older 1000cc-1500cc-2000cc High-Flo lowers		Manual
	Conversion torqueable throat packings to spring-loaded ones and open wet-cup	406864
24F063	SST	
24H064	CST	

Part No.	Description	Manual
24E563	Manifold bottle with check valves	3A0539
24F617	TSL Pump kit	406876
24F251	Shield Kit	



24F251

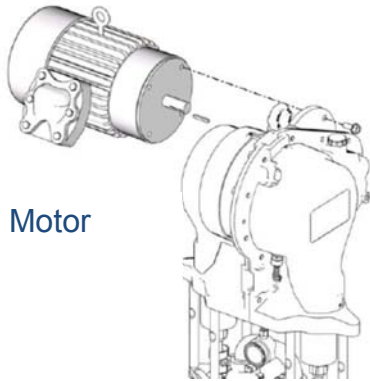




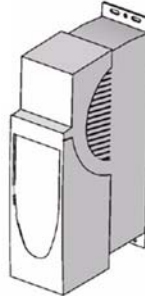
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Chapter 1b

E-Flo Pump



Motor

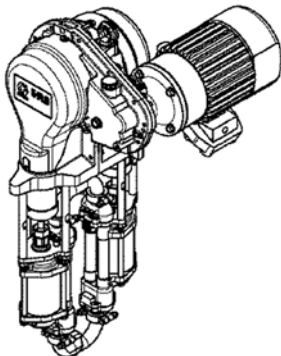


VFD

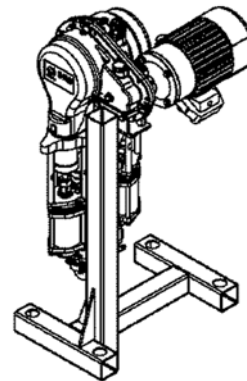
Pump: Manual: 311593
Repair: 311594
Installation : 311592

VFD: Manual: 311596

E first digit Electric	P second digit Pump	x third digit Motor		x fourth digit Sensor		x fifth digit Lower size		x sixth digit Stand
E	P	0	No motor	0	No circuit	1	1000cc Chrome (2 x 24F426)	0 no stand
		1	230/400 5HP ATEX (255226)	1	Circuit sensor	2	1500cc Chrome (2 x 24F434)	1 Stand (15H884)
		2	230/460 5HP UL/CSA (255225)			3	2000cc Chrome (2 x 24F441)	
		3	230/400 3HP ATEX (289552)			4	1000cc Maxlife (2 x 24F427)	
		4	230/460 3HP UL/CSA (289551)			5	1500cc Maxlife (2 x 24F435)	
						6	2000cc Maxlife (2 x 24F442)	
						7	750cc Chrome (2 x 24F415)	
						8	750cc MaxLife (2 x 24F418)	



Pump no stand



Pump with stand

Chapter 1b

E-Flo Pump

Manual: 311593
lowers: 3A0539

Part No.	(BAR) pressure	(L/min) flow rate	Description Lower Material Rod/Cylinder	Lower	Motor	Sensor	(accessory sensor)		
						Converter	Adapter	Nut	Pipe
EP1010	32	38	2x 1000cm² chromex/chrome	24F426	255226 4,04 KW ATEX	without sensor			
EP1020	23	57	2x 1500cm² chromex/chrome	24F434					
EP1030	17	76	2x 2000cm² chromex/chrome	24F441					
EP1040	32	38	2x 1000cm² chromex/maxlife	24F427					
EP1050	23	57	2x 1500cm² chromex/maxlife	24F435					
EP1060	17	76	2x 2000cm² chromex/maxlife	24F442					
EP1110	32	38	2x 1000cm² chromex/chrome	24F426		with sensor			
EP1120	24	57	2x 1500cm² chromex/chrome	24F434					
EP1130	17	76	2x 2000cm² chromex/chrome	24F441		288653	15H471	15H472	120378
EP1140	32	38	2x 1000cm² chromex/maxlife	24F427					
EP1150	23	57	2x 1500cm² chromex/maxlife	24F435					
EP1160	17	76	2x 1500cm² chromex/maxlife	24F442					

Part No.	(BAR) pressure	(L/min) flow rate	Description Lower Material Rod/Cylinder	Lower	Motor	Sensor	(accessory sensor)		
						Converter	Adapter	Nut	Pipe
EP3070	29	28	2x 750cm² chromex/chrome	24F415	289552 2,2 KW ATEX	without sensor			
EP3170	29	28				288653	15H471	15H472	120378
EP3080	29	28	2x 750cm² chromex/maxlife	24F416		without sensor			
EP3180	29	28				288653	15H471	15H472	120378
EP4170	29	28	2x 750cm² chromex/chrome	24F415	289551 2,2 KW NON ATEX	288653	15H471	15H472	120378

Part No.	(BAR) pressure	(L/min) flow rate	Description Lower Material Rod/Cylinder	Lower	without motor
EP0010	32	38	2x 1000cm ² chromex/chrome	24F426	
EP0020	23	57	2x 1500cm ² chromex/chrome	24F434	
EP0030	17	76	2x 2000cm ² chromex/chrome	24F441	
EP0040	32	38	2x 2000cm ² chromex/chrome	24F424	
EP0050	24	57	2x 1500cm ² chromex/maxlife	24F435	
EP0060	17	76	2x 2000cm ² chromex/maxlife	24F442	
EP0070	29	28	2x 750cm ² chromex/chrome	24F415	
EP0080	29	28	2x 750cm ² chromex/maxlife	24F418	

Part No.	Description electr. Motor	manual
255226	Electric Motor 4 KW 5,5HP 230-400V ATEX (E-Flo 2000/3000/4000 Pumps)	311613
255225	Electric Motor 3,6 KW 5 HP 230-460V UL (E-Flo 2000/3000/4000 Pumps)	
289552	Electric Motor 2,2 KW 3HP 230-400V ATEX (E-Flo 1500 Pumps)	
289551	Electric Motor 2,2 KW 3HP 230-400V UL (E-Flo 1500 Pumps)	



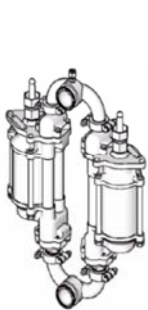
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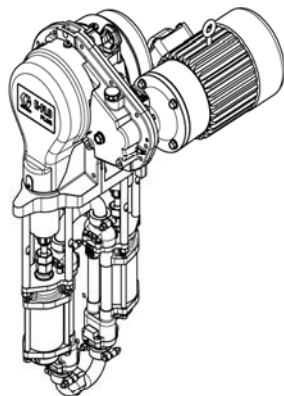
E-Flo Pump

Accessory	Description				Manual
15J753	200-240V Variable Frequency Drive				311596
15J754	380-480V Variable Frequency Drive				
24H372	ACS module – Motor Control System				3A0006
15H873	Drive linkage rebuild Kit				311598
15H874	Slider cylinder rebuild Kit				311599
15H876	Pressure transducer Kit				311600
15H877	TDC sensor replacement Kit				311601
24M433	Installation Fixture Kit to enable installation Position sensor(for Series C and earlier)				3A2236
15J755	Sensor circuit Kit (for Series C and earlier)				311603
24J305	Sensor Circuit Kit (for Series D and later)				
15H883	Crank arm rebuild Kit				311604
15H880	16C487	24M676	24E453	Motor coupler/mounting Kit	311605
15J827	Kit Motor coupling removal				311605
15K012	Pneumatic VFD/BPR control				311606
247651	Slider cylinder collector kit				311607
288036	Power module				311608
255216	Wrist Pin replacement Kit				311609
289553	15J752	Pump manifold Kits			311611
15H885	Ethernet Upgrade Kit				311612
255225	255226	Electric Motor Kit			311613
15H886	Gear reducer replacement Kit				311615
15H882	Slider bearing Kit				311616
15H884	Floor Stand Kit				406638
15H878	Manifold Gasket Kit				406637
16A768	Kit sensor circuit option ATEX				311603
16A769	Kit sensor option NON ATEX				311603
247341	Kit slider cylinder collector			311594	311607
24F253	Shield Kit for 1000cc-2000cc Lowers				406876

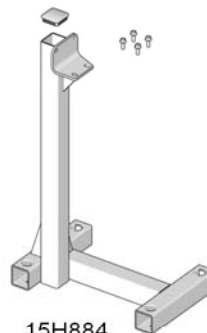
Accessory	Description				
120373	Local I/O Box				311593
15J755	Sensor circuit kit				311603
288117	Material pressure -regulator	1-1/4 "	inlet /outlet npt (f)	fluid max. 21bar	311595
288262	Material pressure -regulator	2 "	inlet /outlet npt (f) sanitary	fluid max. 21bar	
288311	Material pressure -regulator	1-1/2 "	inlet /outlet npt (f)	fluid max. 21bar	
15J498	Pneumatic conversion kit for all material pressure regulators				
288414	Gear oil "Total SFGO-220"	12x 0,95 litre			311593
15H871	Gear Reducer Seal Replacement Kit				311597



E-Flo lower

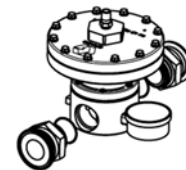


E-Flo Pump
motor & lower



15H884

Air inlet max. 7 bar
material pressure max. 21 bar
material pressure control max. 17,2 bar



Material pressure regulator
288117
288262
288311

Chapter 1b

RAM - UNITS

Manual: 313527 Repair
Manual: 313526 Operation

Select the unit via configurator !

Configurator — — — — — —

Digit 1&2		Digit 3&4	Digit 5	Digit 6
CM	CheckMate Pump	Pump Motor & Lower Table 1 NN means without any pump	Type of RAM Table 2	Type of Follower Plate Table 3
GD	DuraFlo Pump			
TC	Tandem CheckMate Pump			
TD	Tandem DuraFlo Pump			

Code: **CM** **x** **x** **x x**

Digit 3 & 4 PUMP

Merkur NXT air motor with lower CM 60cm³ (CS & SST-Lowers)

Merkur Pumps		
Motor NXT200 Lower CM 60cm³ Ratio 5:1	4A	P05LCS
	4B	P05LCM
	4C	P05LSS
	4D	P05LSM
Motor NXT400 Lower CM 60cm³ Ratio 11:1	6A	P11LCS
	6B	P11LCM
	6C	P11LSS
	6F	P11LSM
	6G	P11RCS
	6H	P11RCM
	6J	P11RSS
	6K	P11RSM
	61	P11SCS
	62	P11SCM
63	P11SSS	
64	P11SSM	

Motor NXT700 Lower CM 60cm³ Ratio 20:1	7A	P20LCS
	7B	P20LCM
	7C	P20LSS
	7F	P20LSM
	7G	P20RCS
	7H	P20RCM
	7J	P20RSS
	7K	P20RSM
	71	P20SCS
	72	P20SCM
73	P20SSS	
74	P20SSM	
Motor NXT1200 Lower CM 60cm³ Ratio 38:1	8A	P38LCS
	8B	P38LCM
	8C	P38LSS
	8F	P38LSM
	8G	P38RCS
	8H	P38RCM

Motor NXT1200 Lower CM 60cm³ Ratio 38:1	8J	P38RSS
	8K	P38RSM
	81	P38SCS
	82	P38SCM
	83	P38SSS
84	P38SSM	
Motor NXT1800 Lower CM 60cm³ Ratio 61:1	9A	P61LCS
	9B	P61LCM
	9C	P61LSS
	9F	P61LSM
	9G	P61RCS
	9H	P61RCM
	9J	P61RSS
	9K	P61RSM
	91	P61SCS
	92	P61SCM
	93	P61SSS
	94	P61SSM



Graco Product Guide

Chapter 1b

RAM - UNITS

Code: **CM** **x** **x** **x x**

Digit 3 & 4 PUMP

NXT and Premier air motor with lower CM 100cm³/ CM 200cm³/ CM 250cm³/ CM 500cm³ (CS & SST-Lowers)

CM-Lower		
NXT 2200 CM100 40:1	11	P40LCS
	12	P40LCM
	1F	P40LSS
	1G	P40LSM
	13	P40RCS
	14	P40RCM
	1H	P40RSS
	1J	P40RSM
	10	P40SSS
	1A	P40SSM
	19	P40SCS
NXT 3400 CM100 63:1	15	P63LCS
	16	P63LCM
	1T	P63LSS
	1U	P63LSM
	17	P63RCS
	18	P63RCM
	1W	P63RSS
	1Y	P63RSM
	1B	P63SSS
	1C	P63SSM
NXT 2200 CM200 23:1	21	P23LCS
	22	P23LCM
	23	P23RCS
	24	P23RCM
	25	P23LSS
	26	P23LSM
	27	P23RSS
	28	P23RSM

NXT 3400 CM200 36:1	29	P36LCS
	2A	P36LCM
	2B	P36RCS
	2C	P36RM
	2F	P36LSS
	2G	P36LSM
	2H	P36RSS
	2J	P36RSM
NXT 6500 CM200 68:1	2L	P68LCS
	2M	P68LCM
	2R	P68RCS
	2S	P68RCM
	2T	P68LSS
	2U	P68LSM
	2W	P68RSS
	2Y	P68RSM
	20	P68SCS
NXT 3400 CM250 29:1	31	P29LCS
	32	P29LCM
	33	P29RCS
	65	P29RCM
	35	P29LSS
	36	P29LSM
	37	P29RSS
	38	P29RSM
NXT 6500 CM250 55:1	39	P55LCS
	3A	P55LCM
	3B	P55RCS
	3C	P55RCM
	3F	P55LSS
	3G	P55LSM
	3H	P55RSS
	3J	P55RSM

Premier CM250 82:1	3L	P82LCS
	3M	P82LCM
	3R	P82LSS
	3S	P82LSM
Premier CM500 39:1	5L	P39LCS
	5M	P39LCM
	5R	P39LSS
	5S	P39LSM
NXT 3400 CM500 14:1	51	P14LCS
	52	P14LCM
	53	P14RCS
	54	P14RCM
	55	P14LSS
	56	P14LSM
	57	P14RSS
	58	P14RSM
NXT 6500 CM500 26:1	59	P26LCS
	5A	P26LCM
	5B	P26RCS
	5C	P26RCM
	5F	P26LSS
	5G	P26LSM
	5H	P26RSS

Chapter 1b

RAM - UNITS

Code: **GD** **X** **X** **X X****Digit 3 & 4** **PUMP**NXT and Premier air motor with lower DF 145cm³ to DF 1000cm³ (CS & **SST**-Lowers)

DuraFlo Pumps		
NXT2200 DF145SS 31:1	A1	P31LSS
	A2	P31LSM
	A3	P31HSS
	A4	P31MSH
NTX3400 DF145SS 46:1	11	P46LSS
	12	P46LSM
	13	P46HSS
	14	P46MSH
NXT3400 DF180SS 40:1	15	P40LSS
	16	P40LSM
	17	P40HSS
	18	P40MSH
NXT3400 DF220SS 30:1	21	P30LSS
	22	P30LSM
	23	P30HSS
	24	P30MSH
NXT6500 DF220SS 57:1	2A	P57LSS
	2B	P57LSM
	2C	P57HSS
	2D	P57MSH
NXT6500 DF290SS 45:1	31	P45LSS
	32	P45LSM
	33	P45HSS
	65	P45MSH
Premier DF290SS 67:1	3L	P67LSS
	3M	P67LSM
	3R	P67HSS
	3S	P67MSH
NXT3400 DF430CS 15:1	41	P15LCS
	42	P15LCM
	43	P15HCS
	44	P15HCM

NXT3400 DF430SS 15:1	45	P15LSS
	46	P15LSM
	47	P15HSS
	48	P15MSH
NTX6500 DF430CS 32:1	49	P32LCS
	4A	P32LCM
	4B	P32HCS
	4C	P32HCM
NXT6500 DF430SS 32:1	4F	P32LSS
	4G	P32LSM
	4H	P32HSS
	4J	P32MSH
Premier DF430 44:1	4L	P44LSS
	4M	P44LSM
	4R	P44LCS
	4S	P44LCM
NXT3400 DF580CS 12:1	51	P12LCS
	52	P12LCM
	53	P12HCS
	54	P12HCM
NXT6500 DF580SS 12:1	55	P12LSS
	56	P12LSM
	57	P12HSS
	58	P12MSH
NXT6500 DF580CS 22:1	59	P22LCS
	5A	P22LCM
	5B	P22HCS
	5C	P22HCM
NXT6500 DF580SS 22:1	5F	P22LSS
	5G	P22LSM
	5H	P22HSS
	5J	P22MSH
Premier DF580 65:1	5L	P65LSS
	5M	P65LSM
	5H	P65LCS
	5J	P65LCM

NTX3400 DF1000CS 6:1	O1	P06LCS
	O2	P06LCM
	O3	P06HCS
	O4	P06HCM
NXT6500 DF1000SS 6:1	O5	P06LSS
	O6	P06LSM
	O7	P06HSS
	O8	P06MSH
NXT6500 DF1000CS 10:1	O9	P10LCS
	0A	P10LCM
	0B	P10LCS
	0C	P10LCM
NXT6500 DF1000SS 10:1	0F	P10LSS
	0G	P10LSM
	0H	P10HSS
	0J	P10MSH
Premier DF1000SS	0L	NR
	0M	NR
	0R	NR
	0S	NR

RAM - UNITS



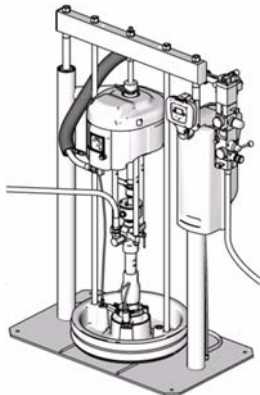
Graco Product Guide

Chapter 1b

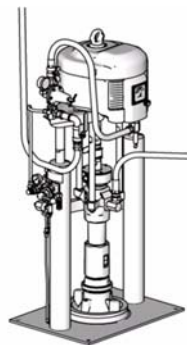
Code: x x x x x x

Digit 5 RAM – STATION

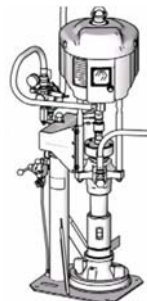
	Style	Size	Voltage Data Trak	Air Control
1	L20 (256761)	3"	no Volt	Air Control Panel
2	S20C (256796)	3"	---	INT
3	S20 (257620)	3"	---	INT
4	D60 (257621)	3"	---	INT
5	D200 (255287)	3"	no volt	INT
6	D200i (255288)	3"	no volt	2 button interlock
7	D200s (255290)	6,5"	no volt	INT
8	D200si (255291)	6,5"	no volt	2 button interlock
9	D200 (255640)	3"	24 Vdc	INT
A	D200i (255641)	3"	24 Vdc	2 button interlock
B	D200 (255642)	3"	100-240 VAC	INT
C	D200i (255643)	3"	100-240 VAC	2 button interlock
F	D200s (255644)	6,5"	24 Vdc	INT
G	D200si (255645)	6,5"	24 Vdc	2 button interlock
H	D200s (255646)	6,5"	100-240 VAC	INT
J	D200si (255647)	6,5"	100-240 VAC	2 button interlock
L	S20 (256798)	3"	100-240 VAC	INT
M	S20 (256797)	3"	24 Vdc	INT
R	D60 (256808)	3"	100-240VAC	INT
T	D60i (257314)	3"	100-240VAC	2 button interlock
U	D60 (256809)	3"	24 Vdc	INT
W	D60i (257315)	3"	24 Vdc	2 button interlock
Y	D60i (257313)	3"	no volt	2 button interlock



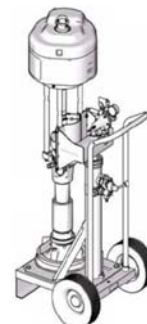
D200 (3")
D200S (6,5")



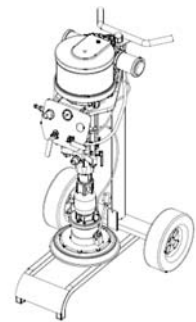
D60 (3")



S20 Single
Post



S20C Cart



L20 Cart

Chapter 1b

RAM - UNITS

Code: x x x x x x

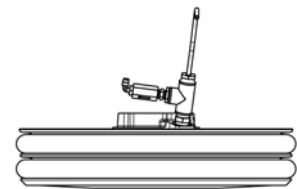
Digit 5

FOLLOWER PLATE

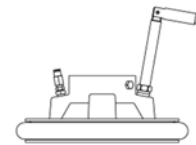
	Plate	Style wiper	Pump inlet (mm)	Wiper material	(Wiper No.)
B	20L (257727 Ø289mm)	1x Flat	Ø 89,3 mm	Nitrile	1x (257672)
C	20L (257728 Ø289mm)	1x Flat	Ø 89,3 mm	Polyurethane	1x (257678)
F	20L (257729 Ø289mm SST)	1x Flat	Ø 89,3 mm	PTFE coated Nitrile	1x (257675)
G	20L (257730 Ø289mm)	2x Flat	Ø 89,3 mm	Nitrile	2x (257672)
H	20L (257731 Ø289mm)	2x Flat	Ø 89,3 mm	Polyurethane	2x (257678)
J	30L (257732 Ø330mm)	1x Flat	Ø 89,3 mm	Nitrile	1x (257673)
K	30L (257733 Ø330mm)	1x Flat	Ø 89,3 mm	Polyurethane	1x (257679)
L	30L (257765 Ø330mm SST)	1x Flat	Ø 89,3 mm	PTFE coated Nitrile	1x (257676)
M	30L (257735 Ø330mm)	2x Flat	Ø 89,3 mm	Nitrile	2x (257673)
R	30L (257736 Ø330mm)	2x Flat	Ø 89,3 mm	Polyurethane	2x (257679)
S	60L (257737 Ø 365mm)	1x Flat	Ø 89,3 mm	Nitrile	1x (257674)
T	60L (257740 Ø 365mm)	1x Flat	Ø 89,3 mm	Polyurethane	1x (257680)
U	60L (257738 Ø 365mmSST)	1x Flat	Ø 89,3 mm	PTFE coated Nitrile	1x (257677)
W	60L (257739 Ø 365mm)	2x Flat	Ø 89,3 mm	Nitrile	2x (257674)
Y	60L (257741 Ø 365mm)	2x Flat	Ø 89,3 mm	Polyurethane	2x (257680)
7	115L (255661 Ø 480mm)	2xRound	Ø115,1mm	EPDM	255654 = 2x (15B317)
8	200L (255662 Ø 571mm)PTFE	Standard	Ø115,1mm	EPDM	255653 = 2x (120819)
9	200L (255663 Ø 571mm)	Standard	Ø115,1mm	EPDM	255653 = 2x (120819)
A	200L (255664 Ø 571mm)	Standard	Ø115,1mm	Neoprene	255652 = 2x (121040)

Wipers for follower plate

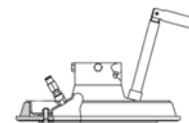
Part No. Plate	description	Wiper assembly kit
257727 (single)	5Gal (20Liter) Ø289mm	257639 Nitril (flat)
		257640 Polyurethane (flat)
		257641 PTFEcoatedNitrile(flat)
257731 (dual)		257642 Nitril (flat)
		257643 PolyUretane (flat)
255659		15W597 PVC (worm gear C31154) (round)
257732 (single)	8Gal (30Liter) Ø330mm	257644 Nitril (flat)
		257645 Polyurethane (flat)
		257646 PTFEcoatedNitrile(flat)
257736 (dual)		257647 Nitril (flat)
		257648 PolyUretane (flat)
257737 (single)	16Gal (60Liter) Ø365mm	257649 Nitril (flat)
		257650 Polyurethane (flat)
		257651 PTFEcoatedNitrile(flat)
257741 (dual)		257652 Nitril (flat)
		257653 PolyUretane (flat)
255661	30Gal (115Liter) Ø 480mm	Kit 255654 = (2 x Wiper 15B317) (round)
255662	55Gal (200Liter) Ø 571mm	Kit 255653 = (2 x Wiper 120819) EDPM
255663		Kit 255652 = (2 x Wiper 255652) Neoprene
255664		



standard



round



flat



Graco Product Guide

Chapter 1b

Tandem Supply Systems®

Manual: 313529 Repair
Manual: 313528 Operation

Code: TC x x x x with Check - Mate displacement pump

Code: TD x x x x with Dura - Flo displacement pump

fifth Digit:	Electronic Crossover (Smart Motors only)	Pneumatic Crossover (Standard Motors only)	Fluid Filter	Carbon Steel	SST	Ram Size
1	✓		✓	✓		n/a
2	✓		✓		✓	n/a
3	✓		✓			n/a
4	✓			✓		n/a
5	✓				✓	n/a
6	✓					n/a
7		✓				D200 (3")
8		✓				D200S (6,5")

Code: TC x x x x with Check - Mate displacement pump

Code: TD x x x x with Dura - Flo displacement pump

Sixth Digit:	Platen Size	Plate Style	Wiper Material	Ram Code
4	30G (114Liter)	D = 90° D Style	EPDM	D200, 0V
A	55G (208Liter)	P = PTFE		D200, 0V
B				D200, Vac
C				D200, Vdc
F				D200S, 0V
G				D200S, Vac
H				D200S, Vdc
J		N = Non PTFE		D200, 0V
L				D200, Vac
M				D200, Vdc
R				D200S, 0V
S				D200S, Vac
T				D200S, Vdc

Description "Ram Code"

D200, 0V = 3" no volt
D200S, 0V = 6,5" no volt

D200 Vdc = 3" 24Vdc
D200 Vac = 3" 100-240Vac

D200S Vdc = 6,5" 24Vdc
D200S Vac = 6,5" 100-240Vac

Chapter 1b

Tandem Supply Systems®

Accessories:

Part No.	Description	Manual
255706	Electronic Crossover Kit with display Vac 3" Ram	313259
255707	Electronic Crossover Kit with display Vac 6,5" Ram	
255759	Electronic Crossover Kit with display Vdc 3" Ram	
255760	Electronic Crossover Kit with display Vdc 6,5" Ram	
255708	Electronic Crossover Kit without display 3" Ram	
255709	Electronic Crossover Kit without display 6,5" Ram	
255649	Power Supply 24Vdc	312373
15M293	Power Supply 100 - 230Vac (121261 Fuse 250V 1,2A)	
255675	Pneumatic Crossover Kit 3" Ram	312400
255676	Pneumatic Crossover Kit 6,5" Ram	
247504	Fluid Filter Kit, used with electr. crossover models only	
255457	Depressurization Kit CS	
255458	Depressurization Kit SST	

Pump Outlet Check Valve Kits

Manual 312400

255452	CM100 CS
255455	CM500 CS

255453	CM 200 & 250 cs
255456	CM 50 sst

255454	CM 200 & 250 SST
256882	DuraFlo 430 & 580

Communications Gateway Module

Manual 313138 / 312864

CGK010	Communications Gateway Module installation Kit
CGMDN0*	DeviceNet Gateway Module for CGK010
CGMEP0*	EtherNet/IP Gateway Module for CGK010
CGMPB0*	PROFIBUS Gateway Module for CGK010
CGMPN0*	PROFINET Gateway Module for CGK010

* Kit CGK010 is not included

Pump outlet Check-Kit

Manual 313529

Part No.	Description	Inlet	outlet
255452	Kit Pump outlet check, used by CM100, CS	¾ NPT (f)	1 ¼ NPT (f)
257377	Kit Pump outlet check, used by CM100, SST	¾ NPT (f)	1 1/16 UNF
255453	Kit Pump outlet check, used by CM200/250, CS	1 NPT (m)	1 ¼ NPT (m)
255454	Kit Pump outlet check, used by CM200/250, SST	1 NPT (m)	1 1/16 UNF
256882	Kit Pump outlet check, used by CM500, CS	1 ¼ NPT (f)	1 ¼ NPT (m)
255455	Kit Pump outlet check, used by CM500, CS	1 ½ NPT (f)	1 ¼ NPT (m)
255456	Kit Pump outlet check, used by CM500, SST	1 ½ NPT (f)	1 1/16 UNF





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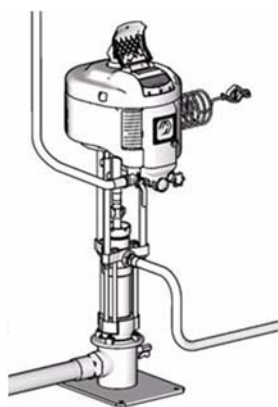
Chapter 1b

Check Mate® Grease Pump Floor Stand

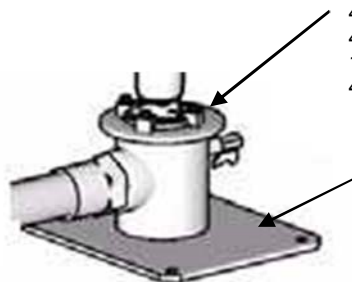
Manual: 312863

EC-Declaration: 199242

Part No.	Ratio	Description	Pump	Motor	Lower
247973	14:1	Floor Stand Pump with Data Trak	P14MCS	N65LT0	L500CS
24E006		Floor Stand Pump without DataTrak	P14DCS	N65DN0	
247974	29:1	Floor Stand Pump with Data Trak	P29MCS	N65LT0	L250CS
24E008		Floor Stand Pump without DataTrak	P29DCS	N65DN0	
247975	63:1	Floor Stand Pump with Data Trak	P63MCS	N65LT0	L100CS
24E010		Floor Stand Pump without DataTrak	P63DCS	N65DN0	
247976	26:1	Floor Stand Pump with Data Trak	P26MCS	N65LT0	L500CS
24E007		Floor Stand Pump without DataTrak	P26DCS	N65DN0	
247977	55:1	Floor Stand Pump with Data Trak	P55MCS	N65LT0	L250CS
24E009		Floor Stand Pump without DataTrak	P55DCS	N65DN0	
247978	68:1	Floor Stand Pump with Data Trak	P68MCS	N65LT0	L200CS
24E011		Floor Stand Pump without DataTrak	P68DCS	N65DN0	
247979	14:1	120V!!! RAM 3" unit CM53BA with accessories	P14RCS	N34LR0	L500CS
247980	63:1	120V!!! RAM 3" unit CM17BA with accessories	P63RCS	N34LR0	L100CS
247981	68:1	120V!!! RAM 3" unit CM2RBA with accessories	P68RCS	N65LR0	L200CS
Part No	Description				Manual
222780	Floor stand for Check Mate Pumps (not for CM200) and for Dura Flo 430cc & 580cc				307971

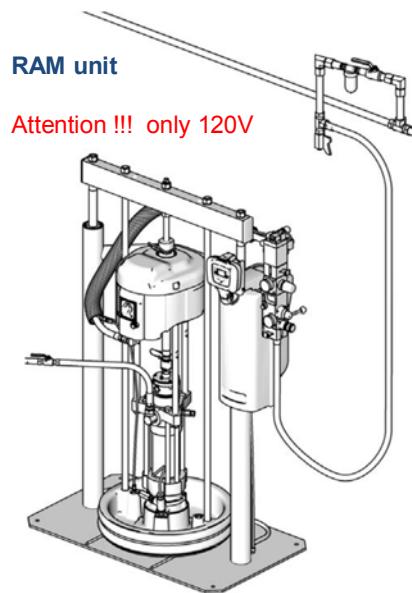


Floor Stand Pump



Repair kit 222776
 4x 100101 screw
 4x 100133 washer
 4x 100468 screw cap
 4x 102637 screw cap
 1x 109495 O-Ring
 4x 276025 clamp

Floor Stand
223952



RAM unit

Attention !!! only 120V

Chapter 1b

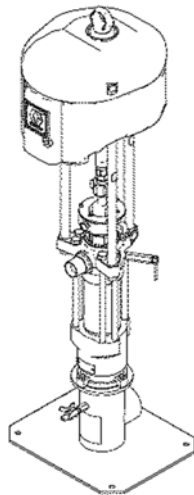
Ink Pump Packages

Manual: 3A0096

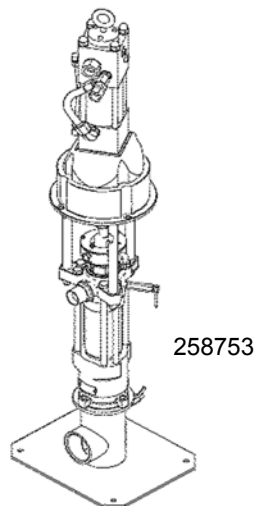
EC-Declaration: 199242

Ink Pump Package Part No.	Ratio	Data Monitoring		Pump	Motor (manual 311238)	Lower (manual 312375)	
		DataTrak	Remote DataTrak				
258744	14:1	no	no	P14LCM	N34LN0	L500CM	Lower - outlet: 1-1/2 npt(m)
258745		yes	no	P14MCM	N34LT0		
258746		no	yes	P14RCM	N34LR0		
258747	23:1	no	no	P23LCM	N22LN0	L200CM	Lower - outlet: 1- npt(m)
258748		yes	no	P23MCM	N22LT0		
258749		no	yes	P23RCM	N22LR0		
258750	26:1	no	no	P26LCM	N65LN0	L500CM	Lower - outlet: 1-1/2 npt(m)
258751		yes	no	P26MCM	N65LT0		
258752		no	yes	P26RCM	N65LR0		
258753	1.6:1	no	no	258753 Hydraulic Powered			

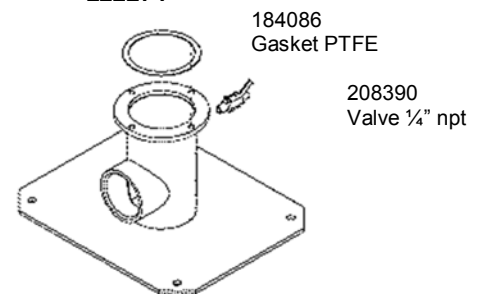
Air Motor



Hydr. Motor



Stand floor 222274



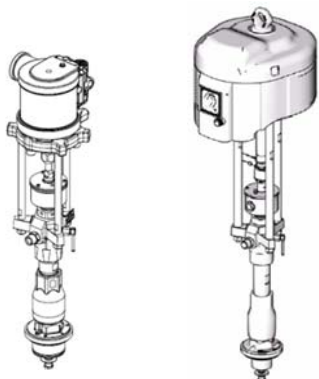


Graco Product Guide

Chapter 1b

Check Mate® Air motor & lower

Manual: 312376



Technical data:

	NXT	Premier
Air inlet size:	3/4" npt(f)	1" npsm
Max speed:	60cpm	50cpm
Max Operating temperature:	82° C	

P	X X		X	X	X
Pump (Check-Mate)	Ratio / Motor type / lower size		Motor Type Remote/DataTrak	Pump Material	Option
	05	NXT200 60cc	L	C Carbon Steel	S Severe Duty®
	11	NXT400 60cc	R		M MaxLife®
	14	NXT3400 500cc		S Stainless Steel	
	20	NXT700 60cc	M		
	23	NXT2200 200cc			
	26	NXT6500 500cc	S		
	29	NXT3400 250cc			
	36	NXT3400 200cc			
	38	NXT1200 60cc			
	39	Premier 500cc	D		
	40	NXT2200 100cc	S		
	55	NXT6500 250cc			
	61	NXT1800 60cc			
	63	NXT3400 100cc			
	68	NXT6500 200cc			
	82	Premier 250cc			

Connection parts:

Pump	Rod Tie (3x)	Adapter	Coupling	Cover	Clip	Coupler	Washer (3x)	Nut (3x)	Plug
Merkur Pumps	171313	257663	184128	15T311	---	---	100128	100681	---
P14 / P26	15K750	15H370	184129	186925	---	---	108098	106166	120588
P29/36/40/55/63/65	15K750	15H392	244819	197650	244820	---	108098	106166	120588
P23	15M619	15H392	244819	197650	244820	---	108098	106166	120588
P39	184381	15H370	184129	186925	---	15M631	108098	106166	120588
P82	184381	15H392	244819	197650	244820	15M631	108098	106166	120588
15M222	Bracket adapter (NXT 2200)								

Chapter 1b

Check Mate® Air motor & lower

Manuals: pump: 312376 | motor: 311238 / 312794 / 308213 | lower: 312375

Pump	Ratio	Air - Motor		Lower	Pump	Ratio	Air - Motor		Lower		
Complete		∅	Type	lower	complete		∅	Type	lower		
P05LCS	5:1	2,5"	M02LN0	L060CS	P26LCS	26:1	10,4 "	N65LN0	L500CS		
P05LCM				L060CM	P26LCM				L500CM		
P05LSS				L060SS	P26LSS				L500SS*		
P05LSM				L060SM	P26LSM				L500SM*		
					P26RCS					N65LR0	L500CS
					P26RCM						L500CM
					P26RSS						L500SS
					P26RSM						L500SM
P11LCS	11:1	3,5"	M04LN0	L060CS							
P11LCM				L060CM							
P11LSS				L060SS							
P11LSM				L060SM							
P11RCS				L060CS							
P11RCM				L060CM							
P11RSS				L060SS							
P11RSM				L060SM							
P11SCS			M04LH0	L060CS							
P11SCM				L060CM							
P11SSS				L060SS							
P11SSM				L060SM							
					P29LCS	29:1	7,5"	N34LN0	L250CS		
					P29LCM				L250CM		
					P29LSS				L250SS*		
					P29LSM				L250SM*		
					P29RCS				N34LR0	L250CS	
					P29RCM					L250CM	
					P29RSS					L250SS*	
					P29RSM					L250SM*	
P14LCS	14:1	7,5"	N34LN0	L500CS	P36LCS	36:1	7,5"	N34LN0	L200CS		
P14LCM				L500CM	P36LCM				L200CM		
P14LSS				L500SS*	P36LSS				L200SS*		
P14LSM				L500SM*	P36LSM				L200SM*		
P14RCS			N34LR0	L500CS	P36RCS			N34LR0	L200CS		
P14RCM				L500CM	P36RCM				L200CM		
P14RSS				L500SS*	P36RSS				L200SS*		
P14RSM				L500SM*	P36RSM				L200SM*		
P20LCS	20:1	4,5"	M07LN0	L060CS	P38LCS	38:1	6"	M12LN0	L060CS		
P20LCM				L060CM	P38LCM				L060CM		
P20LSS				L060SS	P38LSS				L060SS		
P20LSM				L060SM	P38LSM				L060SM		
P20RCS				L060CS	P38RCS				L060CS		
P20RCM				L060CM	P38RCM				L060CM		
P20RSS				L060SS	P38RSS				L060SS		
P20RSM				L060SM	P38RSM				L060SM		
P20SCS			M07LH0	L060CS	P38SCS			M12LH0	L060CS		
P20SCM				L060CM	P38SCM				L060CM		
P20SSS				L060SS	P38SSS				L060SS		
P20SSM				L060SM	P38SSM				L060SM		
P23LCS	23:1	6 "	N22LN0	L200CS	P39LCS	39:1		Premier 222800	L500CS		
P23LCM				L200CM	P39LCM				L500CM		
P23LSS				L200SS*	P39LSS				L500SS*		
P23LSM				L200SM*	P39LSM				L500SM*		
P23RCS			N22LR0	L200CS	* SST						
P23RCM				L200CM							
P23RSS				L200SS*							
P23RSM				L200SM*							



Graco Product Guide

Chapter 1b

Check Mate® Air motor & lower

manual pump: 312376

manual motor: 311238 / 312794 / 308213

manual lower: 312375

Pump Complete	Ratio	Ø	Air - Motor Type	Lower lower	Pump complete	Ratio	Ø	Air - Motor Type	Lower lower
P40LCS	40:1	6"	N22LN0	L100CS	P63LCS	63:1	7,5"	N34LN0	L100CS
P40LCM				L100CM	P63LCM				L100CM
P40LSS				L100SS	P63LSM*				L100SM*
P40LSM				L100SM	P63LSS*				L100SS*
P40SSM			N22LH0	L100SM	P63RCS*			N34LR0	L100CS
P40SSS				L100SS	P63RCM				L100CM
P40SCS				L100CS	P63RSM				L100SM*
P40RCS				L100CS	P63RSS*				L100SS*
P40RCM			N22LR0	L100CM	P63SSM*			N34LH0	L100SM*
P40RSM				L100SM	P63SSS*				L100SS*
P40RSS				L100SS	P63MCS			N34LT0	L100CS
P55LCS	55:1	10,4"	N65LN0	L250CS	P68LCS	68:1	10,4"	N65LN0	L200CS
P55LCM				L250CM	P68LCM				L200CM
P55LSS*				L250SS*	P68LSS*				L200SS*
P55LSM*				L250SM*	P68LSM*				L200SM*
P55RCS			N65LR0	L250CS	P68RCS			N65LR0	L200CS
P55RCM				L250CM	P68RCM				L200CM
P55RSS*				L250SS*	P68RSS*				L200SS*
P55RSM*				L250SM*	P68RSM*				L200SM*
					P68SCS*			N65LH0	L200CS
P61LCS	61:1	7,5"	M18LN0	L060CS	P82LCS	82:1		222800 Premier	L250CS
P61LCM				L060CM	P82LCM				L250CM
P61LSS*				L060SS*	P82LSS*				L250SS*
P61LSM*				L060SM*	P82LSM*				L250SM*
P61RCS				L060CS					
P61RCM				L060CM					
P61RSS*				L060SS*					
P61RSM*				L060SM					
P61SCS			M18LH0	L060CS					
P61SCM				L060CM					
P61SSS*				L060SS*					
P61SSM*				L060SM*					

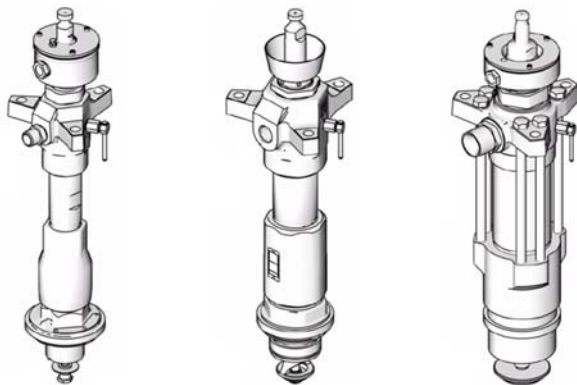
Chapter 1b

Check Mate® lower

Manual: 312375

You cannot mount the new Check-Mate lower on old air motors. The tie rod length is different and also the coupling style

Check-Mate® Lowers



L060 & L100 __

L200__ & 250__

L500__

Technical data:

CHECK-MATE	
Fluid outlet size:	Fluid inlet size:
L060 = 3/4" NPT (m)	Ø 89 mm
L100 = 3/4" NPT (m)	Ø 89 mm
L200 = 1" NPT (f)	Ø 89 mm
L250 = 1" NPT (f)	Ø 89 mm
L500 = 1-1/2" NPT (m)	Ø 115 mm
Max Fluid Pressure:	
060cm ³	441 bar 6396 psi
100cm ³	441 bar 6396 psi
200cm ³	465 bar 6295 psi
250cm ³	465 bar 6295 psi
500cm ³	273 bar 3960 psi
Maximum Operating temperature:	
80° C	

L	x x x		x		x	
Lower Xtreme Shovel - pump	Second, third and fourth Digit Lower size		Fifth Digit		Sixth Digit	
	060 =	60cc	C =	Carbon steel	S =	Severe Duty
	100 =	100cc	S =	Stainless steel	M =	Max Life
	200 =	200cc				
	250 =	250cc				
	500 =	500cc				



Graco Product Guide

Chapter 1b

Check Mate® lower

Manual: 312375

Item			Several duty UHMWPE / PTFE maxlife Brown oil filled UHMWPE	ALL UHMWPE / PTFE / PTFE glass filled	Standard* / PTFE		Piston rod (rep-Kit)	Cylinder (rep-Kit)
Part No.	Capacity / Cycle	Material	A) Throat Seal kit	B) Piston Seal Kit	complete A + B			
L060CS	60cm ³	CS	255523	255533	255507*	16F205	257530	257532
L060CM	60cm ³	CS	255524	255533	255508*	16F205	257531	257533
L060SS	60cm ³	SST*	255523	255533	256866*	16F205	257530	257532
L060SM	60cm ³	SST*	257558	255533	256867*	16F205	257531	257533
L100CS	100cm ³	CS	255523	255533	255507*	16F205	255569	255591
L100CM	100cm ³	CS	255524	255533	255508*	16F205	255570	255592
L100SS	100cm ³	SST*	255523	255533	256866*	16F205	255569	255591
L100SM	100cm ³	SST*	255558	255533	256867*	16F205	255570	255592
L200CS	200cm ³	CS	255525	255565	255509*	255693	255571	255593
L200CM	200cm ³	CS	255527	255565	255510*	255693	255572	255594
L200SS	200cm ³	SST*	255526	255565	255511*	255693	255571	255595
L200SM	200cm ³	SST*	255527	255565	255512*	255693	255572	255596
L250CS	250cm ³	CS	255528	255536	255513*	255694	255573	255597
L250CM	250cm ³	CS	255530	255536	255514*	255694	255574	255598
L250SS	250cm ³	SST*	255529	255536	255515*	255694	255573	255599
L250SM	250cm ³	SST*	255530	255536	255516*	255694	255574	255600
L500CS	500cm ³	CS	255531	255538	255517*	255695	255575	255601
L500CM	500cm ³	CS	255532	255538	255518*	255695	255575	255602
L500SS	500cm ³	SST*	235531	255538	255519*	255695	255575	255601
L500SM	500cm ³	SST*	235532	255538	255520*	255695	255575	255602

There is no connection kit to the fit the old air motor to the new lower !!!

* SST –Stainless Steel

“King” Air Motor conversions kit

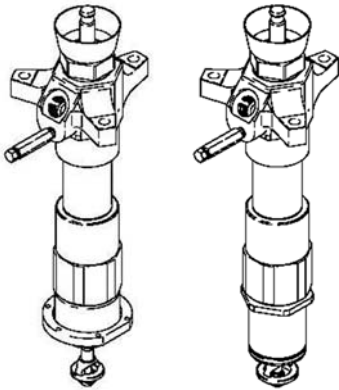
To install an L200CM or L500CM lower on an existing King Air Motor

Part. No	Description	Manual
24C743	Lower L200CM + connections kit	3A0133
24C744	Lower L500CM + connections kit	

Chapter 1b

Check-Mate™ 800 Lowers (193cm³)

Manual: 308570



CM 800

Technical data:

CHECK-MATE	
Fluid outlet size:	CM800 = 1" NPT (f) 193cm³/ cycle
Max Fluid Pressure:	403bar 5850psi
Maximum Operating temperature:	204° C

Part No.	Description
253141	Hot Melt CM Pump (200 Liter) Carbon Fibre PTFE
237795	Hot Melt CM Pump (200 Liter)
237885	Hot Melt CM Pump (19 Liter)

Check-Mate® 800 Lowers (193cm³)

Part No.	Capacity / Cycle	Material	Throat Seal kit	Repair Kit Shovel	Intake Valve	Piston rod (repair kit)	Cylinder (repair kit)	Manual
253141	193cm³/cycle	CS	253545	237909	235546	189317	190586	308570
237795	193cm³/cycle	CS	241782	237909	237907	189317	190586	
237885	193cm³/cycle	CS	241782	237910	237907	189317	190608	
C03510	Connection kit Air motor Senator / Bulldog / King							



Graco Product Guide

Chapter 1b

RAM Accessories

Pump mounting on follower plate
200 liter follower plate
NXT 2200 / 3400 / 6500
D200 & D200s



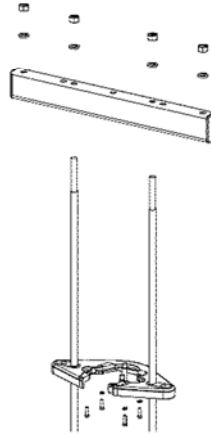
255315 (6,5"RAM)
255305 (3" RAM)
256235 (3" RAM DuraFlo)

Pump NXT mounting on bracket
20/30/60/115 liter follower plate
NXT 2200 / 3400 / 6500
D200 & D200s



255308 (3" RAM 20/30/60 liter)
255309 (3" RAM 115 liter)
255316 (6,5" RAM 115 liter NXT3400/6500)
255317 (6,5" RAM 115 liter NXT2200)

Small NXT Pump mounting
200 liter follower plate
NXT 200/400/700/1200/1800
D200

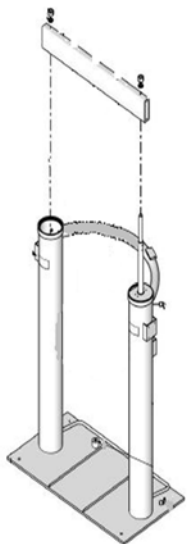


257627 (3" RAM 200 liter)
257628 (3" RAM 20/30/60 liter)
257625 (3" RAM 200 liter)
257626 (3" RAM 20/30/60/115 liter)

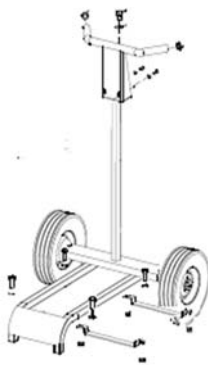
Premier mounting on bracket
200 liter follower plate
D200s



255306 (6,5" RAM)

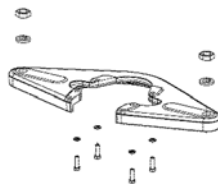


255688



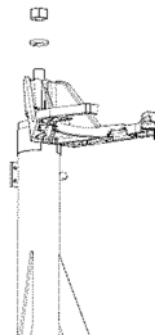
257618

Pump Mounts
20/30/60 liter follower plate
NXT 2200 / 3400 / 6500
D60 (3" RAM)

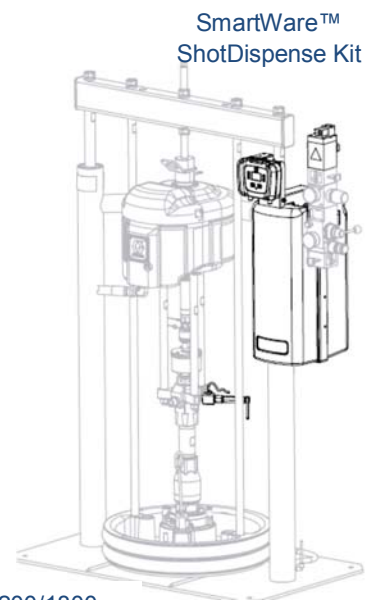


257623 (NXT2200)
257624 (NXT3400/6500)

Single Post RAM
Mounting kit
S20 (3"RAM)



257664 (NXT200/400/700/1200/1800)
257666 (NXT2200/3400)



Chapter 1b

Kits and accessories

Part. No	Description	Manual
255316	200Ds Kit mounting NXT3400 or NXT6500 / 6,5" RAM 200Ds / follower plate 115liter	313527
255317	200D Kit mounting NXT2200 / 6,5" RAM 200Ds / follower plate 115liter	
255308	200D Kit mounting NXT3400 or NXT6500 / 3" RAM 200D / follower plate 20/30/60 liter	
255309	200D Kit mounting NXT2200 / 3" RAM 200D / follower plate 115liter	
255305	200D Kit mounting NXT <i>CM</i> (3" RAM 200D) / follower plate 200 liter	
256235	200D Kit mounting NXT- <i>DuraFlo™</i> (3" RAM 200D) / follower plate 200 liter	
255315	200Ds Kit mounting NXT <i>CM</i> (6,5" RAM 200Ds) / follower plate 200 liter	
255306	200Ds Kit mounting Premier <i>DuraFlo™</i> (6,5" RAM 200Ds) / follower plate 200 liter	
257623	D60 mounting kit NXT2200 (3" RAM D60)	
257624	D60 mounting kit NXT3400 or NXT 6500 (3" RAM D60)	
257664	S20 Single post mounting kit small NXT NXT200 / NXT400 / NXT700 / NXT1200 / NXT1800	
257666	S20 Single post mounting kit NXT NXT2200 / NXT3400	
257627	Kit mounting Merkur NXT200 and NXT400 (3" RAM 200D) / follower plate 200 liter	
257625	Kit mounting Merkur NXT700 - NXT1800 (3" RAM 200D) / follower plate 200 liter	
257628	Kit mounting Merkur NXT200 and NXT400 (3" RAM 200D) / follower plate 20/30/60/115 liter	
257626	Kit mounting Merkur NXT700 - NXT1800 (3" RAM 200D) / follower plate 20/30/60/115 liter	
206537	Drum Clamps for D200 3" Ram (contain 2 pieces)	308027
C32463	Drum Clamps for D200S 6,5" Ram (contain only one clamp !!!) order 2 pieces !!!	311208
918395	Drum clamp Heavy Duty only for 6,5" Ram	
918397	Drum clamp shell only for 6,5" Ram	
255688	Supply Unit D200s 6.5"	313527
255648 +	Supply Unit D200 3"	
257621 +	Supply Unit D60 3"	
257620 +	Single Supply Unit S20 3"	
257618	S20 Single Supply Unit Cart Kit	
257612 +	S20 3" Single Post Ram Mounting Kit	
257611 +	L20c 2" Elevator Cilinder Kit	
257638 +	L20c Cart Kit	
255477 +	Kit Drum Stop / 2 stop / 2 washer/ 2 screws	3A0233
121226 +	Cable 0,4m (Power supply 24VDC to remote DataTrak)	3A0294
121227 +	Cable 0,6m (Power supply 24VDC to remote DataTrak)	313259
122487	Cable 1,5m (Power supply 24VDC to remote DataTrak)	3A0294
121228 +	Cable 15m (Power supply 24VDC to remote DataTrak)	312094
255467 +	Light Tower Kit	312493
24K337 +	Complete Light Tower Kit(light tower, bracket, cable,)	3A1906
Part No.	SmartWare™ ShotDispense Kit	
262370	For D60 / D200 3 inch dual post ram with NXT2200 and larger air motors	3A0294
262371	For D200 3 inch dual post ram with NXT1800 and smaller air motors	
262372	For D200S 6,5 inch dual post ram with NXT2200 and larger air motors	
262373	For S20 3 inch single post ram NXT2200 and larger air motors	
262374	For S20 3 inch single post ram with NXT1800 and smaller air motors	
262375	For wall mount or floor stand pump with NXT2200 and larger air motors	3A1162
262453	Kit Changeover large NXT (2200/3400/6500)	
262464	Kit Changeover smal NXT (200cc – 1800cc)	
262530 +	Foot Switch kit, incl. cable (4m)	3A1161

+ (not shown)



Graco Product Guide

Chapter 1b

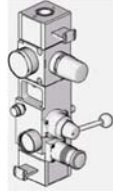
RAM Accessories

Kit DataTrak



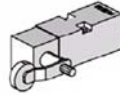
255704, 255705
255757, 255758
255415

Air Control



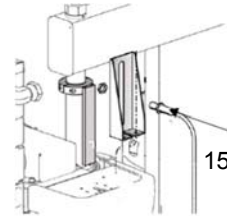
255719
255720
257615

Air Switch



121264

Initiator
Low Level



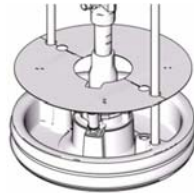
15M804

Drum Roller Kit



255627

Cover
Follower plate

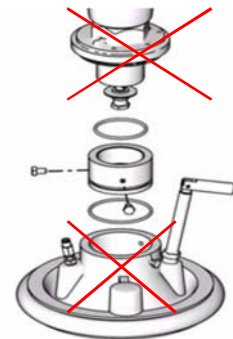


255691

Kit enclose wetcup
recirculation



255703



255392

255393

**Xtreme Pump
245131**

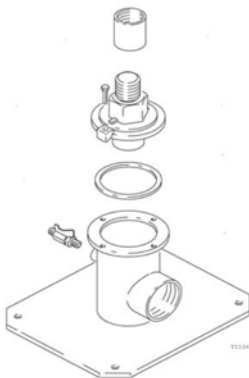
C38457 bushing (only xtreme pumps)
102637 screw
276025 clip
190737 adapter
109495 gasket
222274 Floor Stand

**Dura Flo 145/180
237960**

102637 screw
276025 clip
190737 adapter
109495 gasket
222274 Floor Stand

**Dura Flo 220/290
237782**

102637 screw
276025 clip
190166 adapter
109495 gasket
222274 Floor Stand



**Xtreme Pumps
245131**

**Dura Flo
Pump 145cc /180cc
237960**

**Dura Flo
Pump 220cc/290cc
237782**

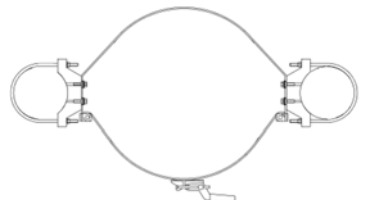
Drum
Clamps



C32463



206537



918395
918397

Chapter 1b

RAM Accessories

Part. No	Description	Manual
190737 245131	Montage adapter for 1-1/4"NPT(f) (64mm), <i>Xtreme lower</i> Floor Stand Accessory for Xtreme – Pumps (incl. adapter 190737& bushing C38457)	406513
190737 237960	Montage adapter for 1-1/2"NPT(m) (64mm), <i>Dura - Flo™ 145cm³, 180cm³</i> Floor Stand Accessory for Dura Flo 145-180cm³ – Pumps (incl. adapter 190737)	406305
190166 237782	Montage adapter for 2"NPT(m) (64mm), <i>Dura - Flo™ 220cm³, 290cm³</i> Floor Stand Accessory for Dura Flo 220-290cm³ – Pumps (incl. adapter 190166)	406297
255392	Montage kit for CM-Lower to 55 Gal. follower plate 255664 (4x screw 102637 4x clamp 276 025 1x O-Ring 109495)	
255393	Montage adapter for 20 – 30 liter follower plate (64,58mm – 89,30mm) Are used if mounting 255659 (Plate 20L) with 100cc displ. pump	
255719	Two button interlock Control Kit D200 3" Ram (Gauge 101689)	312374
255720	Two button interlock Control Kit D200 S 6,5" Ram (Gauge 101689)	
257615	Two button interlock Control Kit D60 3" Ram	
121264	Air – Switch Roller	
255627	Drum roller kit for D200 & D200S	312492
15M293	Power Supply 24VDC, 2,5A, 60W (121261 Fuse 250V 1,2A)	312373
257635	DataTrak Accessory Kit 230V AC single pillar	
257636	DataTrak Accessory Kit 24V DC single pillar	
255704	DataTrak Accessory Kit 230V AC 3" RAM	
255705	DataTrak Accessory Kit 230V AC 6,5" RAM	
255757	DataTrak Accessory Kit 24V DC 3" RAM	
255758	DataTrak Accessory Kit 24V DC 6,5" RAM	
255415	Remote DataTrak	313526
+255469	Drum Low/Empty Level Sensor for D60 or D200 3" Ram	
+255689	Drum Low/Empty Level Sensor for D200s 6,5" Ram	
+257634	Drum Low/Empty Level Sensor for S20 3" Ram	313296
122176	Inductive Sensor M12 in Kits 255469,255689 and 2576374	
119700	Reed sensor NXT Motor (not shown)	3A0294
255703	Kit enclose wet cup recirculation	312494
+24K334	Feed Pump Shutdown Kit	3A1905

+ (not shown)



Graco Product Guide

Chapter 1c

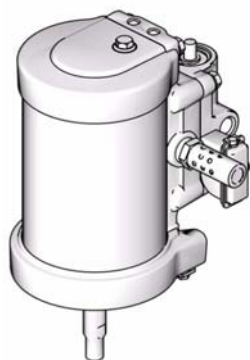
MERKUR (NXT® Air Motor)

Manual: 312796

DataTrak: 313541

Declaration: 199282

Data:



Air inlet M02xxx – M04xxx M07xxx – M18xxx	1/4 " 1/2 "
Max. speed:	60 cycles per minute
Max. air Inlet:	7,0 bar (100psi)
Max. temperature:	71C°

DataTrak Conversion Kit:

Part No	Description	Model	Air valve kit
24A575	DataTrak with Runaway Protection kit	M04LN0*	24A353
		M04LT0	-- not required --
24A576		M12LN0*	24A354
		M18LN0	-- not required --
		M12LT0	-- not required --
		M18LT0	-- not required --
24A592	Only count kit	MxxLN0	-- not required --

the air valve has to be changed to upgrade !

Code:

M	X X		X		X		X
First Digit	Second and third Digit Piston diameter x stroke		Fourth Digit		Fifth Digit		Sixth Digit
M (Air Motor) Merkur®	02	200cc (2,5" x 2,5")	F*	Flush pump (limited use)	N	None (Compatible with DataTrak with Cycle Count)	0 (not assigned)
	04	400cc (3,5" x 2,5")	L	Low noise	T	Compatible with DataTrak with Runaway Protection	
	07	700cc (4,5" x 2,5")			P	Park-Vent valve parked down (compatible DT with Cycle Count)	
	12	1200cc (6,0" x 2,5")			T	200cc Motor Compatible with Linear Sensor	
	18	1800cc (7,5" x 2,5")					

* Uses a smaller muffler. Limited use


MERKUR (NXT® Air Motor)

Air Motor Part No.	Area (cc)	Piston Ø mm	Low Noise Iso-9614-2	Data trak	Air valve				Motor	
					complete	Rep Kit	Seal Kit	End Cap Kit	Seal Kit	Muffler
M02LN0 (289852)	200	63	yes 82,8dBA	- - -	24A351	24A537	24A535	24A360	24A539	15M213
M04LN0 (289853)	400	89	yes 83,4dBA	- - -				24A360	24A543	
M04LT0 (289907)	400	89		yes 24B565				24A362		
*M07LN0 (289854)	700	114	yes -- -dBA	- - -	24A352	24A538	24A536	24A361	24E986	117237
*M07LT0 (289908)	700	114		yes 24B566	24A354			24A363		
M12LN0 (289855)	1200	152	yes 80,1dBA	- - -	24A352			24A361	24A547	117237
M12LT0 (289909)	1200	152		yes 24B566	24A354			24A363		
M18LN0 (289856)	1800	191	yes 78,8dBA	- - -	24A352			24A361	24A551	
M18LT0 (289910)	1800	191		yes 24B566	24A354			24A363		

* only used be P20xxx CheckMate Pumps

Accessories

Part No.	Description		Manual
24A366	Pilot-kit (2x poppet valve)	for all air motors the same	313541
24B565	Solenoid/Reed Switch Assembly	M04LT0	
24B566	Solenoid/Reed Switch Assembly	M12LT0 and M18LT0	
24B564	Reed Switch Assembly without solenoid (only counter)	MxxLN0	
24G848	Linear Sensor Kit	M18xxx Air Motors, IS	406903
24G849	Linear Sensor Kit	M02LH0 Air Motor, IS	
24K224	Kit, upgrade Air –Valve (no air flow by standing pump)		406749
Air Valve End Cap Kits	24A360/61	Standard Air Valves	
	24A362/63	Air Valves DataTrak Compatible	
	262610	Park Lowers Down Position (cycle count only)	

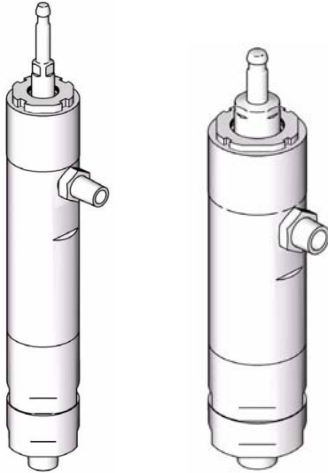


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Merkur® Lower

Manual 312792
Manual 3A2313
Declaration: 199282



Lower (bar)	Inlet	outlet	PistenRod Ø
LW025A (207bar)	½" NPT	3/8" NPT	16,1 mm
LW050A (310bar)	¾" NPT	3/8" NPT	22,7 mm
LW075A (331bar)	¾" NPT	3/8" NPT	27,4 mm
LW100A (248bar)	¾" NPT	3/8" NPT	31,7 mm
LW125A (200bar)	1" NPT	½" NPT	35,4 mm
LW150A (165bar)	1" NPT	¾" NPT	38,9 mm
LW075S (331bar)	¾" NPT	3/8" NPT	27,4 mm
LW100C (248bar)	¾" NPT	3/8" NPT	31,7 mm
Max operation temperature		71 C°	

Code: Lowers

L	W		x x x		x	
First Digit	Second Digit		Thid, Fourth and fifth Digit		Sixth Digit / Packings,	
L = (Lower)	W=	Wet-cup style	025	cm³ per cycle	A	SST- Lower 3UHMWPE, 2PTFE, Chromex™ V-Packing
			050			
			075		S *	SST-Lower (FRP-Lower) U-Packing
			100		C*	Carbon Steel (FRP-Lower) U-Packing
			125			
			150			

*Stroke length is 2 in. (5,08mm)



Merkur® Lower (V- packings) Manual 312792

Lower (SST)	cm³/ Cycle	Max. pressure	Repair Kit (* = Option) (SST) (Carbide)					
			Seal throat & Piston	**Seal throat & Piston	Seat Kit SST	Check ball Kit SST	Wet Cup O-Ring	Coupling Collars(10x)
LW025A	25	207bar	24A251 (UHMWPE / PTFE)	24J852 (Reinforced PTFE)	24A781* 24A794	24A261 24A667*	24A630	24A618
LW050A	50	310bar	24A252 (UHMWPE / PTFE)	24J853 (Reinforced PTFE)	24A782* 24A795	24A262 24A668*	24A631	24A619
LW075A	75	331bar	24A253 (UHMWPE / PTFE)	24J854 (Reinforced PTFE)	24A783* 24A796	24A263 24A669*	24A631	24A619
LW100A	100	248bar	24A254 (UHMWPE / PTFE)	24J855 (Reinforced PTFE)	24A784* 24A797	24A264 24A670*	24A632	24A619
LW125A	125	200bar	24A255 (UHMWPE / PTFE)	24J856 (Reinforced PTFE)	24A785* 24A798	24A265 24A671*	24A633	24A619
LW150A	150	165bar	24A256 (UHMWPE / PTFE)	24J857 (Reinforced PTFE)	24A786* 24A799	24A266 24A670*	24A633	24A619

**** Optional reinforced PTFE Seal Kit for acid catalyst materials See Manual 406769 – 406774**

Merkur® Lower for FRP (U-packings) Manual 3A2313

Lower	cm³/ Cycle	Max. pressure	Repair Kits					
			Seal Repair Kit	Seat Repair Kit		Check Ball Kit		Connecting Kit
				TC	SST	TC	SST	
LW075S	75	331bar	16N231	24A783	24A796	24A669	24A263	16N242
LW100C	100	248bar	16N232	24A784	24A797	24A264	24A670	16N243

TC= Tungsten Carbide



Graco Product Guide

Chapter 1c

Merkur® Pumps

Manual: 312794

EC- Declaration: 199271

W	X X		X		X		X			
First Digit (Wet cup)	Second and third Digit Ratio XX:1		Fourth Digit		Fifth Digit		Sixth Digit			
W	10	69bar	A	25 cm³	A	3:2 Chromex / LowNoise No DataTrak	S	Stainless-Steel		
	15	103bar	B	50 cm³	B	3:2 Chromex / LowNoise DataTrak™	Lower material			
	18	124bar	C	75 cm³						
	23	158bar	D	100 cm³						
	24	165bar	E	125 cm³	E	3:2 Chromex /LowNoise DataTrak™ Cycle Count				
	28	193bar	F	150 cm³						
	30	207bar	Volume per cycle		Packing's _= UHMWPE _=PTFE Piston Rod Coating Data Monitoring / Exhaust					
	36	248bar								
	45	310bar								
	48	331bar								

Pump	Ratio	Motor	Lower	Max Flow Rat (litre/min)	Connection Kit
W10CAS	10:1	M04LN0	LW075A	4,5*	24A284
W10CBS	10:1	M04LT0			
W15AAS	15:1	M02LN0	LW025A	1,5*	24A281
W15AES	15:1				
W15BAS	15:1	M04LN0	LW050A	3,0*	24A283
W15BBS	15:1	M04LT0			
W15FAS	15:1	M12LN0	LW150A	9,0*	24A285
W15FBS	15:1	M12LT0			
W18EAS	18:1	M12LN0	LW125A	7,5*	24A288
W18EBS	18:1	M12LT0			
W23DAS	23:1	M12LN0	LW100A	6,0*	24A287
W23DBS	23:1	M12LT0			
W24FAS	24:1	M18LN0	LW150A	9,0*	24A289
W24FBS	24:1	M18LT0			
W28EAS	28:1	M18LN0	LW125A	7,5*	24A288
W28EBS	28:1	M18LT0			
W30AAS	30:1	M04LN0	LW025A	1,5*	24A282
W30ABS	30:1	M04LT0			
W30CAS	30:1	M12LN0	LW075A	4,5*	
W30CBS	30:1	M12LT0			
W36DAS	36:1	M18LN0	LW100A	6,0*	24A287
W36DBS	36:1	M18LT0			
W45CAS	45:1	M12LN0	LW050A	3,0*	24A285
W45CBS	45:1	M12LT0			
W48CAS	48:1	M18LN0	LW075A	4,5*	24A286
W48CBS	48:1	M18LT0			

*by 60 cycles per min



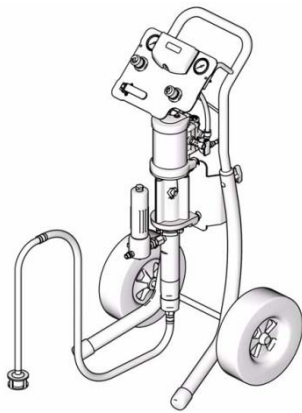


Merkur® Spray Packages

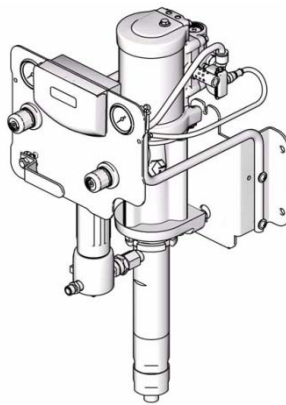
Manual 312797
EC- Declaration: 199271

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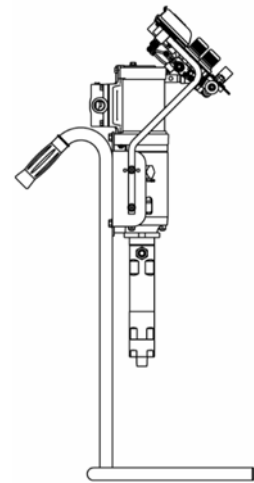
G	X X		X		X X
First Digit (Package)	Second and third Digit Ratio XX:1		Fourth Digit Mounting		Fifth and Sixth Digit
G	10	10:1	C	Cart	See tables below
	15	15:1	T	Stand	
	18	18:1	W	Wall	
	23	23:1			
	24	24:1			
	28	28:1			
	30	30:1			
	36	36:1			
	45	45:1			
	48	48:1			



Cart Unit
GxxCxx



Wall Unit
GxxWxx



Stand Unit
GxxTxx

Merkur® Spray Packages

Manual 312797

Model 10:1 (M04 – 75cm³) max flow rate 4,5 lpm					Air Control	Hoses		Accessories			Data Trak		
Wall	Cart	Stand	Pump	Gun		Fluid 7,6m	Air 8,23m	Siphon kit	Fluid Filter	Hopper			
G10W09	---	---	W10CAS	---	24A585	---	---	---	---	---	---		
G10W01	G10C01												
G10W03	G10C03												
---	G10C05												
G10W05	G10C07		24C853 (G15)	241812		256390	256420	24A587				256410	24A575
G10W06	G10C08												
G10W07	G10C09												
G10W08	G10C10												
---	G10C11		---	---		---	---	---	---				
---	G10C12	---	---	---	---	---	---						

Model 15:1 (M02 – 25cm³) max flow rate 1,5 lpm					Air Control	Hoses		Accessories			Data Trak			
Wall	Cart	Stand	Pump	Gun		Fluid 7,6m	Air 8,23m	Siphon kit	Fluid Filter	Hopper				
G15W09	---	---	W15AAS	---	24A585	---	---	---	---	---	---			
G15W01	G15C01	G15T01												
G15W03	G15C03	---												
---	C15C05													
G15W05	G15C07	G15T03		24C853 (G15)		241812	256390	256420				24A587	256410	24A575
G15W06	G15C08	G15T04												
G15W07	G15C09	---												
G15W08	G15C10	---												
---	G15C11	G15T05		24A585		241812	256390	256420	---	---		256410	24A575	
	G15C12	---												
	G15C13	---												
	G15C14	---												

Model 15:1 (M04 – 50cm³) max flow rate 3 lpm					Air Control	Hoses		Accessories			Data Trak			
Wall	Cart	Stand	Pump	Gun		Fluid 7,6m	Air 8,23m	Siphon kit	Fluid Filter	Hopper				
G15W19	---	---	W15BAS	---	24A585	---	---	---	---	---	---			
G15W21	G15C21													
G15W23	G15C23													
---	G15C25							G15T11						
---	---	G15T12	W15BBS	24C853 (G15)		241812	256390	256420				24A587	256410	24A575
G15W25	G15C27	G15T13	W15BAS											
G15W26	G15C28	G15T14	W15BBS											
G15W27	G15C29	---	W15BAS											
G15W28	G15C30	---	W15BBS	24A585		241812	256390	256420	24A587	256410		24A575		
---	G15C31	G15T15	W15BAS											
	G15C33	---												

Model 15:1 (M12 – 150cm³) max flow rate 9 lpm					Air Control	Hoses		Accessories			Data Trak			
Wall	Cart	Stand	Pump	Gun		Fluid 7,6m	Air 8,23m	Siphon kit	Fluid Filter	Hopper				
G15W51	G15C75	---	W15FAS	---	24A583	---	---	---	24A587	---	---			
G15W52	---		W15FBS											
---	G15C77		W15FAS											
	G15C78		W15FBS											
G15W53	G15C79*		W15FAS	24C853 (G15)		241812	256390	256422 *(Cart)				24A587	256410	24A576
G15W54	G15C80*		W15FBS											
---	G15C81*		W15FAS											
G15W55	G15C83*		24A581					W15FBS						
G15W56	G15C84*													



Merkur® Spray Packages

Manual 312797

Model 18:1 (M12 - 125cm³) max flow rate 7,5 lpm					Air Control	Hoses		Accessories		Data Trak
Wall	Cart	Stand	Pump	Gun		Fluid 7,6m	Air 8,23m	Siphon kit	Fluid Filter	
G18W01	---	---	W18EAS	---	---	---	---	---	---	---
G18W03										
G18W04			W18EBS							24A576
G18W05			W18EAS		24A583					---
G18W06	G18C01*		W18EBS					256422 *(Cart)	24A587	24A576
---	G18C02*		W18EAS						---	---
G18W07	G18C03*		W18EAS					256424 (Wall)	24A587	---
G18W08	G18C05*			24C855 (G40 AAM)	24A581	241812	256390			24A576
G18W09	G18C06*		W18EBS	24C857 (G40 RacX)			236130			---
G18W10	G18C07*		W18EAS							24A576
	G18C08*		W18EBS							---

Model 23:1 (M12 - 100cm³) max flow rate 6,0 lpm					Air Control	Hoses		Accessories			Data Trak
Wall	Cart	Stand	Pump	Gun		Fluid 7,6m	Air 8,23m	Siphon kit	Fluid Filter	Hopper	
G23W01	---	---	W23DAS	---	---	---	---	---	---	---	---
G23W03	---		W23DAS								24A576
G23W04	---		W23DBS								---
---	G23C01*		W23DAS								24A576
---	G23C02*		W23DBS		24A583			256422 *(Cart)	24A587	---	24A576
G23W05	---		W23DAS								---
G23W06	---		W23DBS					256424 (Wall)	24A587	---	24A576
G23W07	G23C03*		W23DAS	XTR501		241812					---
G23W08	G23C04*		W23DBS					256422* 256424	24A587	256410	24A576
---	G23C05*		W23DAS	---							---
---	G23C07		W23DAS		24A581	241812	256390	---	24A587	256410	---
G23W09	G23C09*		W23DAS	24C855 (G40 AAM)				256422* 256424			---
---	G23C11		W23DAS					---			24A576
G23W10	G23C12*		W23DBS					256422* 256424			---
G23W11	G23C13*		W23DAS	24C857 (G40 RacX)						---	24A576
G23W12	G23C14*		W23DBS								24A576

Model 24:1 (M18 - 150cm³) max flow rate 9,0 lpm					Air Control	Hoses		Accessories			Data Trak
Wall	Cart	Stand	Pump	Gun		Fluid 7,6m	Air 8,23m	Siphon kit	Fluid Filter	Hopper	
G24W01	---	---	W24FAS	---	---	---	---	---	---	---	---
G24W02	---		W24FBS								24A576
G24W03	G24C01*		W24FAS								---
G24W04	G24C02*		W24FBS		24A583			256422 *(Cart)	24A587	---	24A576
G24W05	G24C03*		W24FAS	XTR501							---
G24W06	G24C04*		W24FBS			241812	256390	256424 (Wall)	24A587	---	24A576
G24W07	G24C09*		W24FAS	24C855 (G40 AAM)							---
G24W08	G24C10*		W24FBS								24A576
G24W09	G24C11*		W24FAS	24C857 (G40 RacX)	24A581						---
G24W10	G24C12*		W24FBS								24A576



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Merkur® Spray Packages

Manual 312797

Model 28:1 (M18 - 125cm³) max flow rate 7,5 lpm					Air Control	Hoses		Accessories			Data Trak
Wall	Cart	Stand	Pump	Gun		Fluid 7,6m	Air 8,23m	Siphon kit	Fluid Filter	Hopper	
G28W01	---	---	W28EAS	---	---	---	---	---	---	---	---
G28W02	---		W28EBS								24A576
G28W03	G28C01*		W28EAS								---
G28W04	G28C02*		W28EBS								24A576
G28W05	G28C03*		W28EAS	XTR501	24A583	---	---	256422 *(Cart)	24A587	---	---
G28W06	G28C04*		W28EBS								24A576
G28W11	G28C09*		W28EAS	24C855 (G40 AAM)	24A581	241812	256390	256424 (Wall)	24A587	---	---
G28W12	G28C10*		W28EBS								24A576
G28W13	G28C11*		W28EAS								---
G28W14	G28C12*		W28EBS								24A576

Model 30:1 (M04 - 25cm³) max flow rate 1,5 lpm					Air Control	Hoses		Accessories			Data Trak
Wall	Cart	Stand	Pump	Gun		Fluid 7,6m	Air 8,23m	Siphon kit	Fluid Filter	Hopper	
G30W19	---	---	W30AAS	---	24A586	---	---	---	---	---	---
G30W01	G30C01										
G30W03	G30C03										
G30W05	G30C05										
---	G30C07		W30ABS	XTR501	24A586	241812	---	256420	24A587	---	24A575
---	G30C08										---
G30W07	G30C09										24A575
G30W08	G30C10										24A575
---	G30C11		W30AAS	---	24A585	241812	256390	256420	24A587	---	---
---	G30C13										---
---	G30C15										---
G30W09	G30C17										---
---	---	G30T01	W30ABS	---	24A585	241812	256390	256420	24A587	---	24A575
---	---	G30T02									---
G30W11	G30C19	---									24A575
G30W12	---	---									---
G30W13	G30C21	G30T03	W30AAS	24C855 (G40 AAM)	24A585	241812	256390	256420	24A587	---	24A575
G30W14	G30C22	G30T04	W30ABS								---
---	G30C23	G30T09	W30AAS								24A575
G30W15	G30C25	G30T05	W30ABS								---
G30W16	G30C26	G30T06	W30ABS	24C857 (G40 RacX)	24A585	241812	256390	256420	24A587	---	24A575
---	G30C27	---	W30AAS								---
---	G30C29	G30T07	W30ABS								24A575
---	G30C30	G30T08	W30AAS								---
G30W17	G30C33	G30T11	W30ABS	XTR501	24A586	241812	256390	256420	24A587	---	24A575
G30W18	G30C34	G30T12	W30ABS								---
---	G30C35	---	W30AAS								---
---	G30C37	---	W30ABS								24A575

□ Hose 3/16- 50FT (15m)



Merkur® Spray Packages

Manual 312797

Model 30:1 (M04 - 75cm³) max flow rate 4,5 lpm					Air Control	Hoses		Accessories			Data Trak	
Wall	Cart	Stand	Pump	Gun		Fluid 7,6m	Air 8,23m	Siphon kit	Fluid Filter	Hopper		
G30W51	---	---	W30CAS	---	---	---	---	---	---	---	---	
G30W53	---				24A583			---			24A587	256423 (Wall)
---	G30C51								---			
G30W55	G30C53				---			24A587			---	
G30W56	G30C54		---	24A587		---						
G30W57*	---				---			24A587	---			
G30W58*	---		---	24A587		---						
G30W59*	G30C55				---			24A587	---			
G30W60*	G30C56		---	24A587		---						
---	G30C57				---			24A587	---			
---	G30C58		---	24A587		---						
G30W71	---				W30CAS		---	---	---	256423 256421	24A587	256410
---	G30C63		---	24A581		---	256423 256421					
---	G30C65		W30CAS		24C855 (G40 AAM)			H52525* 241812	256423 256421	24A587	---	
G30W73	G30C67			W30CAS		24C857 (G40 RacX)	H52525* 241812					256423 256421
G30W74	G30C68		W30CBS	24C857 (G40 RacX)	H52525* 241812			256423 256421	24A587	---		
---	G30C69		W30CAS			24C857 (G40 RacX)	H52525* 241812				256423 256421	24A587
---	G30C71			W30CAS	24C857 (G40 RacX)			H52525* 241812	256423 256421	24A587		
G30W75	G30C73		W30CBS	24C857 (G40 RacX)		H52525* 241812	256423 256421				24A587	---
G30W76	G30C74		W30CBS		24C857 (G40 RacX)			H52525* 241812	256423 256421	24A587		
---	G30C85		W30CAS	24C857 (G40 RacX)		H52525* 241812	256423 256421				24A587	---
---	G30C86		W30CBS		24C857 (G40 RacX)			H52525* 241812	256423 256421	24A587		

▫ Hose 3/16- 50FT (15m)

Model 36:1 100cm³ (max flow rate 6,0 lpm)					Air Control	Hoses		Accessories			Data Trak
Wall	Cart	Stand	Pump	Gun		Fluid 7,6m	Air 8,23m	Siphon kit	Fluid Filter	Drain Valve	
G36W01	---	---	W36DAS	---	---	---	---	---	---	---	---
G36W03	---		W36DAS								
G36W04	---		W36DBS	---	24A583	---	---	256423 (Wall)	24A587	---	24A576
G36W05	G36C01		W36DAS								
G36W06	G36C02		W36DBS	XTR501	24A581	239107	256390	256421 (Cart)	24A587	---	24A576
G36W07	G36C03		W36DAS								
G36W08	G36C04		W36DBS	24C855 (G40 AAM)	24A581	239107	256390	256421 (Cart)	24A587	---	24A576
G36W13	G36C09		W36DAS								
G36W14	G36C10		W36DBS	24C857 (G40 RacX)	24A581	239107	256390	256421 (Cart)	24A587	---	24A576
G36W15	G36C11		W36DAS								
G36W16	G36C12		W36DBS	24C855 (G40 AAM)	24A581	239107	256390	256421 (Cart)	24A587	---	24A576
G36W17	G36C13		W36DAS								
G36W18	G36C14		W36DBS	XTR501	24A583	---	---	256425	---	---	24A576
---	G36C15		W36DAS								
---	G36C16		W36DBS	---	---	---	---				24A576



Graco Product Guide

Chapter 1c

Merkur® Spray Packages

Manual 312797

Model 45:1 50 cm³ (max flow rate 3,0 lpm)					Air Control	Hoses		Accessories			Data Trak
Wall	Cart	Stand	Pump	Gun		Fluid 7,6m	Air 8,23m	Siphon kit	Fluid Filter	Hopper	
G45W01	---	---	W45BAS	---	---			---	---	---	---
G45W03	---		W45BAS					---			---
---	G45C01		W45BAS					256423 256421			---
G45W05	G45C03		W45BAS	XTR501	24A583	24A412	---	24A587	24A587	256425	24A576
G45W06	G45C04		W45BBS								---
---	G45C05		W45BAS								---
---	G45C06		W45BBS	---	24A581	---		256423 256421	---	256425	24A576
G45W11	---		W45BAS								---
---	G45C11		W45BAS								---
---	G45C13		W45BAS	24C855 (G40 AAM)	24A582	239107	256390	---	24A587	256425	---
G45W13	G45C15		W45BAS					256423 (wall)			24A576
G45W14	G45C16		W45BBS					256421 (cart)			---
G45W15	G45C17		W45BAS					---			24A576
G45W16	G45C18		W45BBS					---			---
G45W17	G45C19		W45BAS					---			24A576
G45W18	G45C20		W45BBS					---			---
---	G45C21		W45BAS					---			---

Model 48:1 75cm³ (max flow rate 4,5 lpm)					Air Control	Hoses		Accessories			Data Trak					
Wall	Cart	Stand	Pump	Gun		Fluid 7,6m	Air 8,23m	Siphon kit	Fluid Filter	Hopper						
G48W01	---	---	W48CAS	---	---	---	---	---	---	---	---					
G48W03	G48C01		W48CAS		XTR501			24A583	24A412		256423	24A587	24A576			
G48W04	G48C02		W48CBS										---			
G48W05	G48C03		W48CAS	---												
G48W06	G48C04		W48CBS	---												
---	G48C05		W48CAS	---												
---	G48C06		W48CBS	---												
G48W11	---		W48CAS	24C855 (G40 AAM)		24A584	239107						256390	256423	24A587	---
G48W07	G48C07		W48CAS													---
G48W08	G48C08		W48CBS		---											
---	G48C09		W48CAS		---											
G48W13	G48C11		W48CAS		---											
G48W14	G48C12		W48CBS		---											
G48W15	G48C13		W48CAS		---											
G48W16	G48C14		W48CBS		24C857 (G40 RacX)			---								



Merkur® Spray Packages
Electrostatic & Electrostatic Heated

Manual: 312798 E-Static

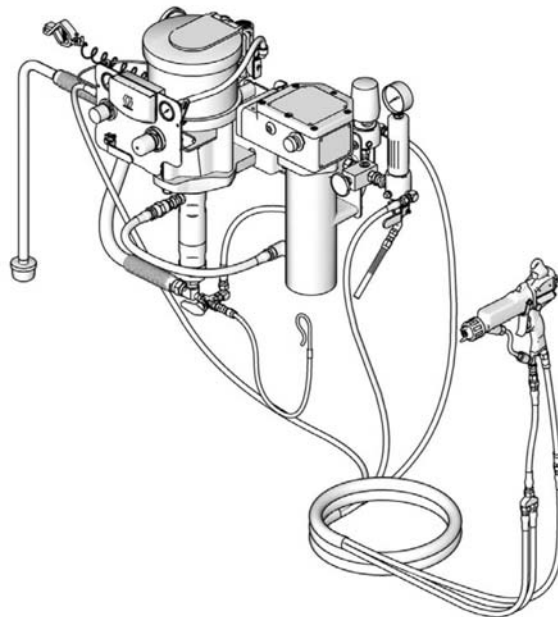
Manual: 313255 heated

EC- Declaration: 199293

Viscon Heater 309524

Pro Xs4 AA 309295

G	X X		X		X X
First Digit (Package)	Second and third Digit Ratio XX:1		Fourth Digit Mounting		Fifth and Sixth Digit
G	15	15:1	C	Cart	See tables below
	18	18:1	W	Wall	
	23	23:1	B	Bellows Pump	
	24	24:1			
	28	28:1			
	30	30:1			
	35	35:1			





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Merkur® Spray Packages Electrostatic

Manual: 312798 E-Static

Electrostatic Packages				Air Control	Hoses			Accessories		DataTrak
Wall	Cart	Pump	Gun		Fluid+ Air 7,6m	Whipped		Siphon kit	Fluid Filter	
						Air 0,9m	Fluid 0,6m			
G15W57	G15C85	W15FAS	244573	24A581	24A956 (includes 236130)	236130	239069	256422 256424	24A587	---
G15W58	G15C86	W15FBS								24A576
---	G15B83	B15FAO								---
---	G15B84	B15FBO								24A576
G18W11	G18C09	W18EAS								---
G18W12	G18C10	W18EBS								24A576
G23W13	G23C15	W23DAS						256421 256423		---
G23W14	G23C16	W23DBS								24A576
---	G23B33	B23DAO						256422 256424		24A576
---	G23B34	B23DBO								---
G24W11	G24C13	W24FAS								24A576
G24W12	G24C14	W24FBS								---
---	G24B33	B24FAO								24A576
---	G24B34	B24FBO						256421 256423		---
G28W15	G28C13	W28EAS								24A576
G28W16	G28C14	W28EBS								---
G30W77	G30C75	W30CAS								24A576
G30W78	G30C76	W30CBS								---
---	G35B33	B35DAO								24A576
---	G35B34	B35DBO								---

Merkur® Spray Packages Electrostatic & Electrostatic Heated

Manual: 313255 heated

Electrostatic Heated Packages				Air Control	Hoses			Accessories		DataTrak
Wall	Cart	Pump	Gun		Fluid+ Air 7,6m	Whipend		Siphon kit	Fluid Filter	
						Air 0,9m	Fluid 0,6m			
+G18W13	---	W18EAS	244573 Pro XS4 SMART	24A581	239352	236130	239069	256422	239300	---
+G18W14	---	W18EBS								24A576
+G28W21	+G28C19	W28EAS								---
+G28W22	+G28C20	W28EBS								24A576
‡G28W23	‡G28C21	W28EAS								---
‡G28W24	‡G28C22	W28EBS								24A576
+G30W83	+G30C81	W30CAS						---		
+G30W84	+G30C82	W30CBS						24A576		
‡G30W85	‡G30C83	W30CAS						---		
‡G30W86	‡G30C84	W30CBS						24A576		
								256423		

+ Heater 120V 19,2A
‡ Heater 240V 16,7A

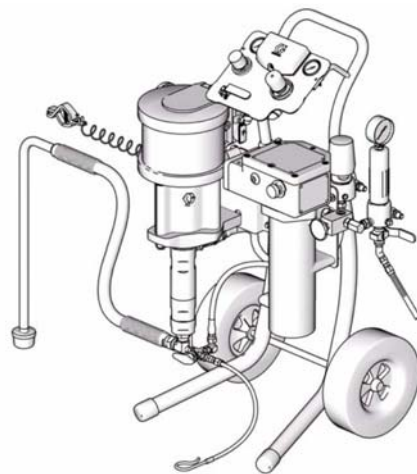
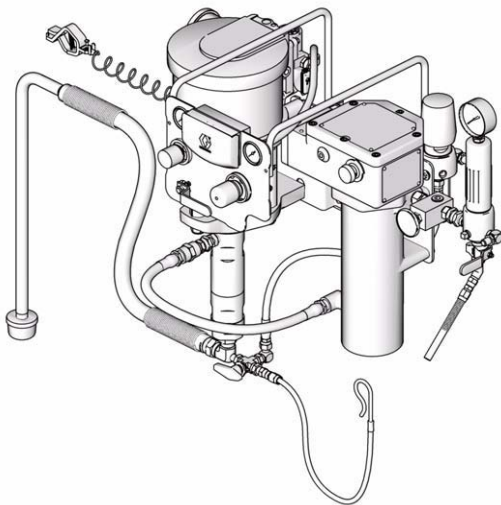


Merkur® Heated Spray Packages

Manual: 313255

EC declaration: 199293

G	X X		X		X X
First Digit (Package)	Second and third Digit Ratio XX:1		Fourth Digit Mounting		Fifth and Sixth Digit
G	28	28:1	C	Cart	See tables below
	30	30:1	W	Wall	
	48	48:1			





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Merkur® Heated Spray Packages

Manual: 313255

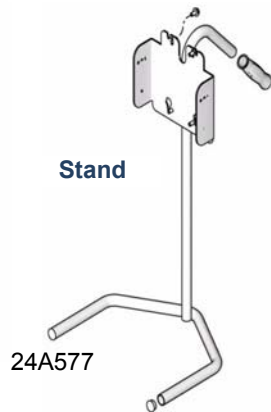
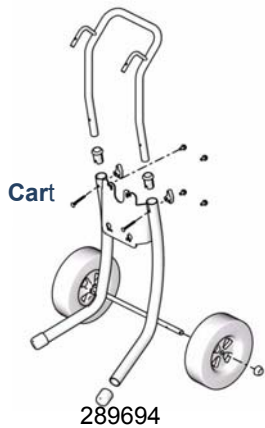
EC declaration: 199293

Merkur® Heated Spray Packages				Air Control	Hoses Bundel			Accessories		DataTrak				
Wall	Cart	Pump	Gun		Package 7,6m	Circul.	whipend	Siphon kit	Fluid Filter					
						Fluid0,6m	Fluid 0,6m							
+G28W07	+G28C05	W28EAS	XTR501	24A583	239342	239108	239069	256422	239300	---				
+G28W08	+G28C06	W28EBS								24A576				
+G28W09	+G28C07	W28EAS								---				
+G28W10	+G28C08	W28EBS								24A576				
+G28W17	+G28C15	W28EAS	24C855 (G40 AAM)	24A581	239311					256423	---			
+G28W18	+G28C16	W28EBS									24A576			
+G28W19	+G28C17	W28EAS									---			
+G28W20	+G28C18	W28EBS									24A576			
+G30W67	+G30C59	W30CAS	XTR501	24A583	239342			239108			239069	256423	---	
+G30W68	+G30C60	W30CBS											24A576	
+G30W69	+G30C61	W30CAS											---	
+G30W70	+G30C62	W30CBS											24A576	
+G30W79	+G30C77	W30CAS	24C855 (G40 AAM)	24A581	239311					256423			---	
+G30W80	+G30C78	W30CBS											24A576	
+G30W81	+G30C79	W30CAS											---	
+G30W82	+G30C80	W30CBS											24A576	
+G48W17	---	W48CAS	---		---							---	---	---
+G48W18	---	W48CBS												24A576

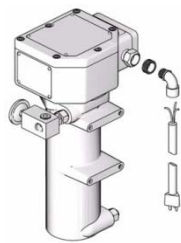
+ Heater 120V 19,2A
 ‡ Heater 240V 16,7A



Merkur® Accessories

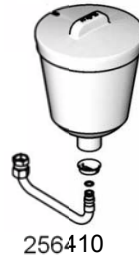


Heater

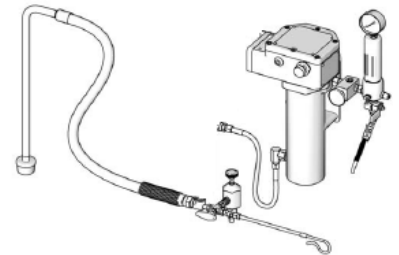


*for Hazardous Locations
not shown*

Hopper



Merkur Heated Circulation Kit



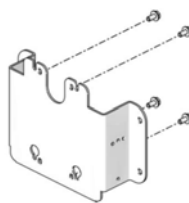
24F590
24F591

Bracket Pump Heater



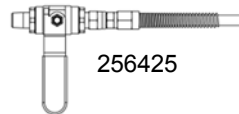
24A590

Wall Mount Kit



24A578

Drain Valve

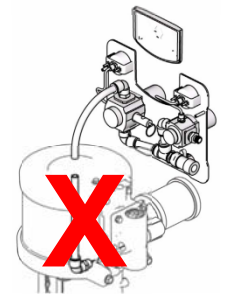


DataTrak



24A575
24A576
24A592

Air control Panel



24A581/ 586

Sprayer		Manual
24C853	G15 (AAM)	3A0149
24C857	G40 RacX	
24C855	G40	
XTR501	XTR5	312145



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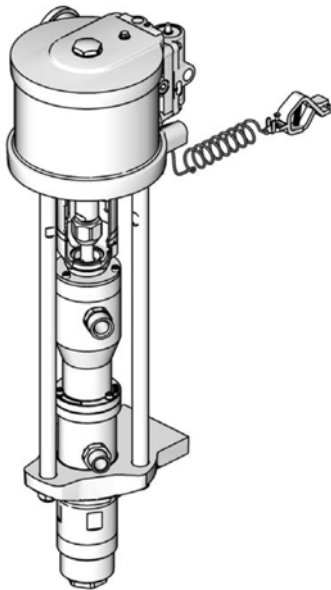
Merkur® Assessories

Part No.	Description	Manual
Air Control Panel		
24A581	Air Control Panel Kit, NXT M12 – M18 with gun regulator	406757
24A582	Air Control Panel Kit 6,2bar (45:1), NXT with gun regulator	406758
24A583	Air Control Panel Kit, NXT M07 – M12 – M18, no gun regulator	406759
24A584	Air Control Panel Kit 5,9bar (48:1), NXT with gun regulator	406760
24A585	Air Control Panel Kit, NXT M02 – M04 with gun regulator	406761
24A586	Air Control Panel Kit, NXT M02 – M04 no gun regulator	406762
15T500 +	Gauge 1/8" 0-7 bar (0-100psi)	
24A540 +	Cover Gauge (5x 12 pieces)	193199
DataTrak		
24A575	Kit DataTrak NXT, M02 – M04 (Fuse NXT413)	313541
24A576	Kit DataTrak NXT, M07 – M12 – M18 (Fuse NXT413)	
24A592	Kit DataTrak NXT, Cycle count only (Fuse NXT413)	
256425	Drain Valve Kit	
Suction Hose Kit		
256420 +	10:1, 15:1, 30:1, (NXT M02 & M04) CART & WALL	312797
256421 +	23:1, 30:1, 36:1, 45:1, 48:1, (NXT M12 – L075xx) CART	
256422 +	15:1, 18:1, 24:1, 28:1, (NXT M12 – L075xx) CART	
256423 +	23:1, 30:1, 36:1, 45:1, 48:1, (NXT M12 – L075xx) WALL	
256424 +	15:1, 18:1 24:1, 28:1, (NXT M12 - L150xx) WALL	
256426	Strainer Kit (10 pcs)	
Various		
24A954 +	200Liter (55 Gal) siphon hose kit, incl. bung adapter and strainer (1"NPSM) with Strainer (181073) ½" NPSM	
256410	Hopper kit 5Liter (1,5 Gal) LDPE	
24A577	Stand mount kit	
256427	Cart mount kit Non Bellows	312798
24A578	Wall mount kit Non Bellows	
24E879	Cart mount kit Bellows	
24A590	Bracket, pump + heater	
245848*	Heater 120V, (19,2A / 2300W) (cable order separately 15W730)	309524
245863*	Heater 240V, (16,7A / 4000W) (cable order separately 15W731 without plug)	
24A587 +	Fluid Filter (Strainer 60Mesh 167025)	307273
239300 +	Fluid Filter heated package (Strainer 60Mesh 167025)	
24F590	Merkur Heated Circulation Kit (Heater 120V) Max. pressure 280 bar	3A1230
24F591	Merkur Heated Circulation Kit (Heater 240V) Max. pressure 280 bar	
24F592 +	Merkur Non-Heated Circulation Kit (Max. pressure 280 bar)	



Merkur™ Bellows

Manual: 312795



Related Manual	
Merkur Bellows Displacement Pump	312793
NXT™ Air Motor	312796
Merkur Bellows Spray Packages, AA and Airless	312799

B	X X		X		X		X	
First Digit (Bellow)	Second and Third Digit (Ratio)		Fourth Digit Lower cc Per Cycle)		Fifth Digit (Smarts / Exhaust)		Sixth Digit (Packings)	
B	05	05:1	B	50 cc	A	No DataTrak, low noise exhaust	0	V-packing's
	12	12:1	D	100 cc			1	U-cup packing's
	15	15:1	F	150 cc				
	23	23:1			B	DataTrak Compatible, low noise exhaust		
	24	24:1						
	25	25:1						
	35	35:1						



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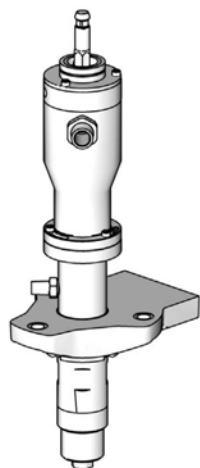
Merkur™ Bellows “Pumps”

Manual: 312795

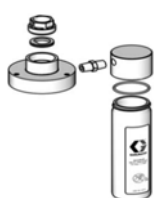
Pump	Ratio	Motor	Lower	Max Flow Rat @ 60DS	Connection Kit	Techn. data	
B05FA0	5:1	M04LN0	LB150A	9 liter/ min 150cc	24A291	Max fluid pressure:	34 bar
B05FB0		M04LT0				Fluid Inlet:	1 in. npt
B05FA1		M04LN0	LB150B			Fluid Outlet:	3/8in. npt
B05FB1		M04LT0				Air Inlet:	1/4 in. npt
B12DA0	12:1	M07LN0	LB100A	6 liter/ min 100cc	24A294	Max fluid pressure:	83 bar
B12DB0		M07LT0				Fluid Inlet:	3/4 in. npt
B12DA1		M07LN0	LB100B			Fluid Outlet:	3/8in. npt
B12DB1		M07LT0				Air Inlet:	1/2 in. npt
B15BA0	15:1	M04LN0	LB050A	3 liter/ min 50cc	24A291	Max fluid pressure:	103 bar
B15BB0		M04LT0				Fluid Inlet:	3/4 in. npt
B15BA1		M04LN0	LB050B			Fluid Outlet:	3/8in. npt
B15BB1		M04LT0				Air Inlet:	1/4 in. npt
B15FA0		M12LN0	LB150A	9 liter/ min 150cc	24A294	Max fluid pressure:	103bar
B15FB0		M12LT0				Fluid Inlet:	1 in. npt
B15FA1		M12LN0	LB150B			Fluid Outlet:	3/4 in. npt
B15FB1		M12LT0				Air Inlet:	1/2 in. npt
B23DA0	23:1	M12LN0	LB100A	6 liter/ min 100cc	24A294	Max fluid pressure:	159 bar
B23DB0		M12LT0				Fluid Inlet:	3/4 in. npt
B23DA1		M12LN0	LB100B			Fluid Outlet:	3/8in. npt
B23DB1		M12LT0				Air Inlet:	1/2 in. npt
B24FA0	24:1	M18LN0	LB150A	9 liter/ min 150cc	24A294	Max fluid pressure:	165 bar
B24FB0		M18LT0				Fluid Inlet:	1 in. npt
B24FA1		M18LN0	LB150B			Fluid Outlet:	3/4 in. npt
B24FB1		M18LT0				Air Inlet:	1/2 in. npt
B25BA0	25:1	M07LN0	LB050A	3 liter/ min 50cc	24A294	Max fluid pressure:	172 bar
B25BB0		M07LT0				Fluid Inlet:	3/4 in. npt
B25BA1		M07LN0	LB050B			Fluid Outlet:	3/8in. npt
B25BA1		M07LT0				Air Inlet:	1/2 in. npt
B35DA0	35:1	M18LN0	LB100A	6 liter/ min 100cc	24A294	Max fluid pressure:	241 bar
B35DB0		M18LT0				Fluid Inlet:	3/4 in. npt
B35DA1		M18LN0	LB100B			Fluid Outlet:	3/8in. npt
B35DB1		M18LT0				Air Inlet:	1/2 in. npt

Merkur™ Bellows “Lowers”

Manual: 312793



Overflow Chamber
Kit



Techn. Data:

Lower (bar)	Inlet	outlet
LB050A (310bar)	3/4 in. npt	3/4 in. npt
LB050B (310bar)	3/4 in. npt	3/4 in. npt
LB100A (248bar)	3/4 in. npt	3/4 in. npt
LB100B (248bar)	3/4 in. npt	3/4 in. npt
LB150A (165bar)	1 in. npt	1 in. npt
LB150B (165bar)	1 in. npt	1 in. npt
Stroke length		2.5 in.
Max operation temperature		71 C°
Wetted parts: PEEK, PTFE, stainless steel, tungsten carbide, UHMWPE		

Code:

L	B		x x x		x	
First Digit	Second Digit		Third, Fourth, and fifth Digit		Sixth Digit	
L = (Lower)	B	Bellow	050	cm³ per cycle	A	V-Packings (3UHMWPE, 2PTFE)
			100		B	U-Cup seal
			150			

Lower *(SST)	cm³/ ds	Repair Kit * = SST									
		O-Ring kit	V-Packing seal kit	U-Cup Seal kit	Bushing kit	Rod/Piston Kit	Piston Kits	Seat & Ball Kit	Hardware Kit	Coupling Collar Kit(10)	Check ball kit
LB050A*	50	24E713	24A655	24E716	24A268	24A649	24F488	24A787 24A800*	24E712	24A619	24A661 *
LB050B*	50										
LB100A*	100	24E714	24A656	24E631	24E766	24A650	24F489	24A788 24A801*	24E712	24A619	24A662 *
LB100B*	100										
LB150A*	150	24E715	24A657	24E632	24E766	24A651	24F490	24A788 24A801*	24E712	24A619	24A662 *
LB150B*	150										

Kit Description		LB050A LB050B	LB100A LB100B	LB150A LB150B
Reinforced PTFE V-Packing Kit Reinforced PTFE throat packings and glands, reinforced PTFE piston packings and glands, o-rings, and springs		24J858	24J859	24J860
PTFE Bellows Kit standard UHMWPE		24A267	24E764	24E764
PTFE Bellows Kit Includes PTFE bellows and o-rings		24J850	24J851	24J851



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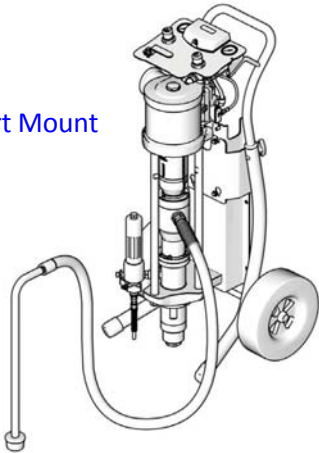
Merkur™ Bellows “Spray Package”

Manual: 312799

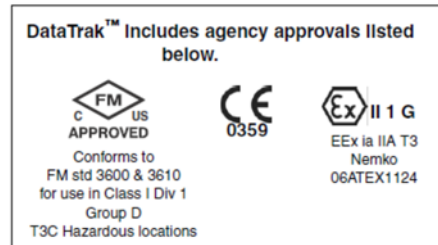
EC-decl. 199338

DataTrak are ATEX approved

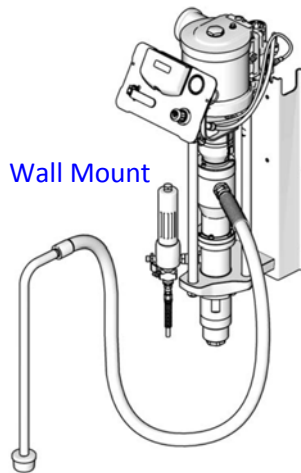
Cart Mount



CE II 2 G c IIB T3 (200°C)



Wall Mount



Code:

G	X X		X		X X
First Digit (Package)	Second and third Digit Ratio XX:1		Fourth Digit Mounting		Fifth and Sixth Digit
G	05	5:1	B	Bellows	See tables below
	12	12:1			
	15	15:1			
	23	23:1			
	24	24:1			
	25	25:1			
	35	35:1			



Merkur™ Bellows “Spray Package”

Manual: 312799

EC- Decl.: 199338

Motor: M04xxx		Lower: 150cc			
Model 5:1		Pump	Air Control	Accessories	
Wall	Cart		No gun	fluidFilter	datatrak
G05B01	G05B03	B05FA0	24A586	223160	- - -
G05B02	G05B04	B05FB0			yes
G05B05	G05B07	B05FA0	24A586	- - -	- - -
G05B06	G05B08	B05FB0			yes
G05B09	G05B11	B05FA1	24A586	223160	- - -
G05B10	G05B12	B05FB1			yes
G05B13	G05B15	B05FA1	24A586	- - -	- - -
G05B14	G05B16	B05FB1			yes

Motor: M07xxx		Lower: 100cc			
Model 12:1		Pump	Air Control	Accessories	
Wall	Cart		No gun	fluidFilter	datatrak
G12B01	G12B03	B12DA0	24A583	223160	---
G12B02	G12B04	B12DB0			yes
G12B05	G12B07	B12DA0	24A583	---	---
G12B06	G12B08	B12DB0			yes
G12B09	G12B11	B12DA1	24A583	223160	---
G12B10	G12B12	B12DB1			yes
G12B13	G12B15	B12DA1	24A583	---	---
G12B14	G12B16	B12DB1			yes

Motor: M04xxx		Lower: 50cc								
Model 15:1		Pump	Air Control		Gun	Hoses		Accessories		
Wall	Cart		No gun	With gun		Fluid	Air	Siphon	fluidFilter	datatrak
G15B01	G15B05	B15BA0	24A586	---	---	---	---	---	223160	---
G15B02	G15B06	B15BB0								yes
G15B03	G15B07	B15BA0	---	24A585	24C853 G15	241812	256390	256420	223160	---
G15B04	G15B08	B15BB0								yes
G15B09	G15B13	B15BA0	24A586	---	---	---	---	---	---	---
G15B10	G15B14	B15BB0								yes
G15B11	G15B15	B15BA0	---	24A585	24C853 G15	241812	256390	256420	---	---
G15B12	G15B16	B15BB0								yes
G15B17	G15B21	B15BA1	24A586	---	---	---	---	---	223160	---
G15B18	G15B22	B15BB1								yes
G15B19	G15B23	B15BA1	---	24A585	24C853 G15	241812	256390	256420	223160	---
G15B20	G15B24	B15BB1								yes
G15B25	G15B29	B15BA1	24A586	---	---	---	---	---	---	---
G15B26	G15B30	B15BB1								yes
G15B27	G15B31	B15BA1	---	24A585	24C853 G15	241812	256390	256420	---	---
G15B28	G15B32	B15BB1								yes



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Merkur™ Bellows “Spray Package”

Manual: 312799

EC- Decl.: 199338

Motor: M12xxx		Lower: 150cc								
Model 15:1		Pump	Air Control		Gun	Hoses		Accessories		
Wall	Cart		No gun	With gun		Fluid	Air	Siphon	fluidFilter	datatrak
G15B51	G15B55	B15FA0	24A583	---	---	---	---	---	223160	---
G15B52	G15B56	B15FB0	---	24A581	24C853 G15	241812	256390	256424	223160	yes
G15B53	G15B57	B15FA0								---
G15B54	G15B58	B15FB0								yes
G15B59	G15B63	B15FA0	24A583	---	---	---	---	---	---	---
G15B60	G15B64	B15FB0	---	24A581	24C853 G15	241812	256390	256424	---	yes
G15B61	G15B65	B15FA0								---
G15B62	G15B66	B15FB0								yes
G15B67	G15B71	B15FA1	24A583	---	---	---	---	---	223160	---
G15B68	G15B72	B15FB1	---	24A581	24C853 G15	241812	256390	256424	223160	yes
G15B69	G15B73	B15FA1								---
G15B70	G15B74	B15FB1								yes
G15B75	G15B79	B15FA1	24A583	---	---	---	---	---	---	---
G15B76	G15B80	B15FB1	---	24A581	24C853 G15	241812	256390	256424	---	yes
G15B77	G15B81	B15FA1								---
G15B78	G15B82	B15FB1								yes

Motor: M12xxx		Lower: 100cc								
Model 23:1		Pump	Air Control		Gun	Hoses		Accessories		
Wall	Cart		No gun	With gun		Fluid	Air	Siphon	fluidFilter	datatrak
G23B01	G23B05	B23DD0	24A583	---	---	---	---	---	223160	---
G23B02	G23B06	B23DB0	---	24A581	24C855 G40	241812	256390	256423	223160	yes
G23B03	G23B07	B23DA0								---
G23B04	G23B08	B23DB0								yes
G23B09	G23B13	B23DA0	24A583	---	---	---	---	---	---	---
G23B10	G23B14	B23DB0	---	24A581	24C855 G40	241812	256390	256423	---	yes
G23B11	G23B15	B23DA0								---
G23B12	G23B16	B23DB0								yes
G23B17	G23B21	B23DA1	24A583	---	---	---	---	---	223160	---
G23B18	G23B22	B23DB1	---	24A581	24C855 G40	241812	256390	256423	223160	yes
G23B19	G23B23	B23DA1								---
G23B20	G23B24	B23DB1								yes
G23B25	G23B29	B23DA1	24A583	---	---	---	---	---	---	---
G23B26	G23B30	B23DB1	---	24A581	24C855 G40	241812	256390	256423	---	yes
G23B27	G23B31	B23DA1								---
G23B28	G23B32	B23DB1								yes
	G23B35	B23DA0	24A583	---	XTR501	241812	---	256423	223160	---
	G23B36	B23DB0								yes

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Merkur™ Bellows “Spray Package”

Manual: 312799

EC- Decl.: 199338

Motor: M18xxx		Lower: 150cc								
Model 24:1		Pump	Air Control		Gun	Hoses		Accessories		
Wall	Cart		No gun	With gun		Fluid	Air	Siphon	fluidFilter	datatrak
G24B01	G24B05	B24FD0	24A583	---	---	---	---	---	223160	---
G24B02	G24B06	B24FB0								yes
G24B03	G24B07	B24FA0	---	24A581	24C855 G40	241812	256390	256424	223160	---
G24B04	G24B08	B24FB0								yes
G24B09	G24B13	B24FA0	24A583	---	---	---	---	---	---	---
G24B10	G24B14	B24FB0								yes
G24B11	G24B15	B24FA0	---	24A581	24C855 G40	241812	256390	256424	---	---
G24B12	G24B16	B24FB0								yes
G24B17	G24B21	B24FA1	24A583	---	---	---	---	---	223160	---
G24B18	G24B22	B24FB1								yes
G24B19	G24B23	B24FA1	---	24A581	24C855 G40	241812	256390	256424	223160	---
G24B20	G24B24	B24FB1								yes
G24B25	G24B29	B24FA1	24A583	---	---	---	---	---	---	---
G24B26	G24B30	B24FB1								yes
G24B27	G24B31	B24FA1	---	24A581	24C855 G40	241812	256390	256424	---	---
G24B28	G24B32	B24FB1								yes
	G24B33	B24FA0	24A583	---	XTR501	241812	---	256424	223160	---
	G24B34	B24FB0								yes

Motor: M07xxx		Lower: 50cc								
Model 25:1		Pump	Air Control		Gun	Hoses		Accessories		
Wall	Cart		No gun	With gun		Fluid	Air	Siphon	fluidFilter	datatrak
G25B01	G25B05	B25BA0	24A583	---	---	---	---	---	223160	---
G25B02	G25B06	B25BB0								yes
G25B03	G25B07	B25BA0	---	24A581	24C855 G40	241812	256390	256420	223160	---
G25B04	G25B08	B25BB0								yes
G25B09	G25B13	B25BA0	24A583	---	---	---	---	---	---	---
G25B10	G25B14	B25BB0								yes
G25B11	G25B15	B25BA0	---	24A581	24C855 G40	241812	256390	256420	---	---
G25B12	G25B16	B25BB0								yes
G25B17	G25B21	B25BA1	24A583	---	---	---	---	---	223160	---
G25B18	G25B22	B25BB1								yes
G25B19	G25B23	B25BA1	---	24A581	24C855 G40	241812	256390	256420	223160	---
G25B20	G25B24	B25BB1								yes
G25B25	G25B29	B25BA1	24A583	---	---	---	---	---	---	---
G25B26	G25B30	B25BB1								yes
G25B27	G25B31	B25BA1	---	24A581	24C855 G40	241812	256390	256420	---	---
G25B28	G25B32	B25BB1								yes
	G25B33	B25BA0	24A583	---	XTR501	241812	---	256420	223160	---
	G25B34	B25BB0								yes



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Merkur™ Bellows “Spray Package”

Manual: 312799

EC- Decl.: 199338

Motor: M18xxx		Lower: 100cc								
Model 35:1		Pump	Air Control	Gun	Hoses			Accessories		
Wall	Cart		No gun	With gun	Gun	Fluid	Air	Siphon	fluidFilter	datatrak
G35B01	G35B05	B35DA0	24A583	---	---	---	---	---	223160	---
G35B02	G35B06	B35DB0		---	---	---	---	---	223160	yes
G35B03	G35B07	B35DA0	---	24A581	24C855 G40	24A446	256390	256423	223160	---
G35B04	G35B08	B35DB0		---	---	---	---	---	---	yes
G35B09	G35B13	B35DA0	24A583	---	---	---	---	---	---	---
G35B10	G35B14	B35DB0	---	24A581	24C855 G40	24A446	256390	256423	---	yes
G35B11	G35B15	B35DA0	---	24A581	24C855 G40	24A446	256390	256423	---	---
G35B12	G35B16	B35DB0		---	---	---	---	---	---	yes
G35B17	G35B21	B35DA1	24A583	---	---	---	---	---	223160	---
G35B18	G35B22	B35DB1	---	24A581	24C855 G40	24A446	256390	256423	223160	yes
G35B19	G35B23	B35DA1	---	24A581	24C855 G40	24A446	256390	256423	223160	---
G35B20	G35B24	B35DB1		---	---	---	---	---	---	yes
G35B25	G35B29	B35DA1	24A583	---	---	---	---	---	---	---
G35B26	G35B30	B35DB1		---	---	---	---	---	---	yes
G35B27	G35B31	B35DA1	---	24A581	24C855 G40	24A446	256390	256423	---	---
G35B28	G35B32	B35DB1	---	---	---	---	---	---	---	yes
	G35B35	B35DA0	24A583	---	XTR501	24A446	---	256423	223160	---
	G35B36	B35DB0	---	---	---	---	---	---	---	yes



Merkur™ Bellows “Accessories”

Manual: 312799

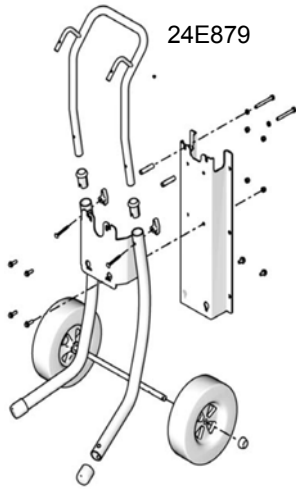
Accessories					
+238926	Back Pressure Regulator, SST, max. pressure: 207 bar , Regulator range: 70-207 bar			306860	
102397	Fluid Gauge (207 bar) ¼" npt (m) center back fitting				
238890	Fluid Regulator, SST, spring-operated, with fluid pressure gauge, range 34–207 bar			308647	
222121	Fluid Regulator, SST, max. pressure: 103 bar , Regulator range: 10-83 bar			307886	
+243340	Pail Cover with Agitator - SST (use to agitate material in a 19 l (5 gal) pail)			406488	
24A587	Pump Outlet Fluid Filter, SST, 60 mesh (250 micron), 350 bar			307273	
24E298	Overflow Chamber Kit for Merkur Bellows			406862	
256425	Fluid Filter Drain Valve, SST, 350 bar			312799	
+224458	Replacement Filter Screen Element, 2-pack elements, 30 mesh, SST				
+224459	Replacement Filter Screen Element, 2-pack elements, 60 mesh, SST				
+24A540	Air Control Gauge Covers, 5 sheets of 12 covers				
+24B187	Second AA Gun Kit, includes air regulator and gauge				
24F593	Merkur Bellows Heated Circulation Kit (Heater 120V) Max. pressure 280 bar			3A1203	
24F594	Merkur Bellows Heated Circulation Kit (Heater 240V) Max. pressure 280 bar				
+24F595	Merkur Bellows Non-Heated Circulation Kit (Max. pressure 280 bar)				
Suction Hose and Strainer kit					
+24A954	208 l (55 gal) Drum Suction Hose and Strainer, 3/4 in fluid inlet			312799	
+24B598	208 l (55 gal) Drum Suction Hose and Strainer, 1 in fluid inlet				
+24B424	PTFE Lined Suction Hose for 19 l (5 gal) Pails and Strainer, 3/4 in inlet				
+24B425	PTFE Lined Suction Hose for 19 l (5 gal) Pails and Strainer, 1 in inlet				
Gun Hose kit					
+256390	7.5 m Air Hose			312799	
+241812	7.5 m Fluid Hose: 228 bar				
+24A955	15 m Bundled Air and Fluid Hose: 228 bar				
256389	15 m Air Hose				
+24B562	15 m Fluid Hose: 228 bar				
+24A588	Hose Clips: Pack of 10				
Wall Mounting Kit (use to mount a bare pump on the wall)					
+24E880	for M04xxx	24E881	for M07xxx	24E882	for M12xxx or M18xxx
+24E883	Air Control Mounting Kit-Wall Non Bellows				312799
24E884	Air Control Mounting Kit-Cart				
24E879	Cart Mounting Kit				
+24E885	Cart Floor Mounting Kit (to keep the legs stable when bolting the cart to the floor)				
+24E712	Hardware Kit (3 washers, 3 screws M6x25, 3 screws M6x40				
24A271	Top Cap Kit				406915
24A640	Shield Kit				406876

+ not shown

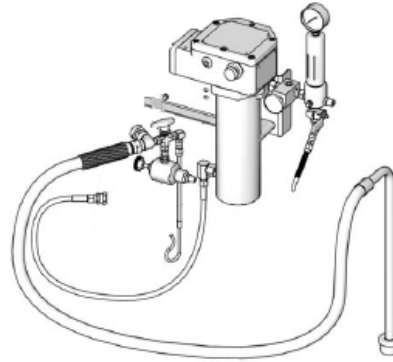


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Merkur Bellows Heated Circulation Kit



24F593



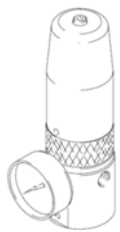
222121



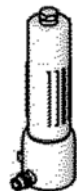
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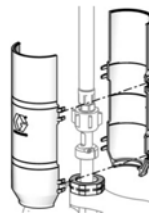
24A271



238890



24A587



24A640



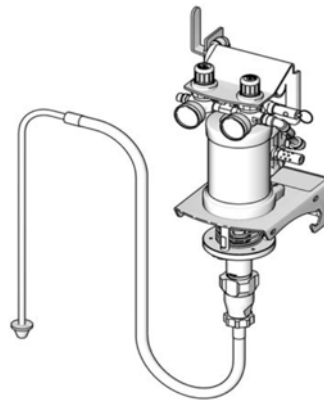
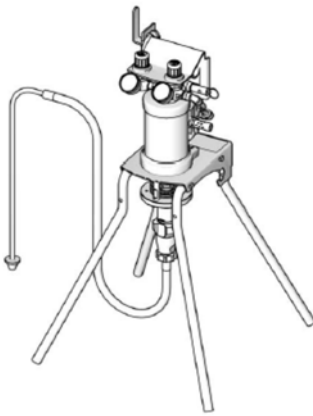
Merkur® ES Spray Packages

Manual: 3A0732

EC- Decl.: 199366



Package air inlet size : 3/8 npt(f)
 Package fluid outlet size : 1/4 np
 Maximum motor speed : 240 cyc
 Max. spray tip orifice size : 0.019
 Max. fluid working pressure:
 15:1 Pumps: 1500psi (103 bar)
 30:1 Pumps: 3000psi (207 bar)
 Max. recommended Tip size is 0,019"



Package	Ratio (max pressure)	Motor	Lower	Package Type	Gun	Mounting	Material
24F150	15:1 (103 bar)	24G693	24G701	Air-Assisted	24C853	Wall	Plated Steel
24F151				Air-Assisted	G15	Stand	
24F152 *	30:1 (207 bar)	24G694	24G702	Air-Assisted	24C855	Wall	Stainless Steel
24F153 *				Air-Assisted	G40	Stand	
24F154 **				Airless	235460	Wall	
24F155 **			24G701	Airless	Silver Plus	Stand	Plated Steel
24F156 *				Air-Assisted	24C855	Wall	
24F157 *				Air-Assisted	G40	Stand	
24F158	15:1 (103 bar)	24G693	24G702	Air-Assisted	24C853	Wall	Stainless Steel
24F159				Air-Assisted	G15	Stand	

* All Air-Assisted Packages include a 25ft(7,5m) fluid and air hose, suction hose and a AAF412 tip

** All Airless Packages include a 25ft(7,5m) fluid hose, suction hose and a 163515 tip

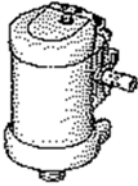


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Air Motor Merkur ES

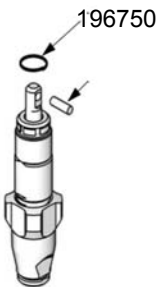
Manual: 406900



Part No.	Size	End Cap Kit	Air Valve Rep. Kit	Air Valve Seal. Kit	Air Motor Seal Kit
24G693	2,5 in.	24A360	24A537	24A535	24G699
24G694	3,5 in.				24G700

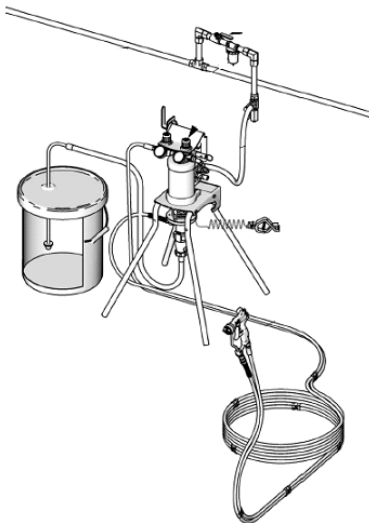
Lower Merkur ES

Manual: 406899



Part No.	Rep. kit		Piston Rod Kit
	Standard Leather/ UHMWPE	(u-cup packing kit option)	
24G701	24H006	24H665 (UHMWPE)	24G703
24G702	24G705		24G704

Kits and accessories



Kit Description	Part No.
Airless to Air-Assisted Conversion Kit	24F161
Inline Fluid Filter, stainless steel, for 60 and 100 mesh	24F271
Inline Fluid Filter, aluminum, for 60 and 100mesh	24F272
Standard Suction Hose, 5 gal.(19 L), 3/8 in.(10 mm) OD	24F148
Suction Hose, 5 gal.(19 L), 5/8 in.(16 mm) OD	24F149
Suction Tube, 1 gal.(3.8 L), 11/32 in.(9 mm) OD	24F147
Standard Push-on Strainer Kit	24F160
Screw-on Strainer Kit (for 24F149 5/8 in. Suction Hose Kit)	256426
Air Gauge Lens Cover Kit (sheet of 12 covers)	193199



Hot Melt Therm-O-Flow®

For order the TOF please use the configurator !!

Typical Model Number:
TOF200A-D-1-A-1-P-6-2-A-F-1-N-1-1-D-P-N-N



Therm-O-Flow 20®
23:1 / 36:1 / 70:1
Manual 311976



Therm-O-Flow 20®
15:1
Manual 312094



Therm-O-Flow 200®
23:1 / 36:1 / 70:1
Manual 311208

Model	Therm-O-Flow 20	Therm-O-Flow 20	Therm-O-Flow 200
Pump Style	2-ball	Check-Mate Priming Piston	Check-Mate Priming Piston
CONTAINER SIZE	20 Liter	20 Liter	200 Liter
MELT RATE	0.6 kg/min	0.7 kg/min	5 kg/min
FLOW RATE	4 kg/min	5.4 kg/min	5.4 kg/min
VISCOSITY	Low to medium	Low to ultra high	Low to ultra high
Volume per cycle	57,4cm ³	192cm ³	192cm ³
Air inlet size	1/2 npsm(f)	1/2 npsm(f)	1/2 npsm(f)
Pump fluid outlet size	1/2 npt(f)	1 npt(f)	1 npt(f)
Max. pump operating temperature	204°C	204°C	204°C

Hot Melt Therm-O-Flow®

Part No.	Description	Manual
288506	Air Motor N22LH0 compl. with heated CM-Lower, 23:1	311976
288507	Air Motor N34LH0 compl. with heated CM-Lower, 36:1	
288508	Air Motor N65LH0 compl. with heated CM-Lower, 70:1	

Therm-O-Flow 20

Accessories:

288543	Spring, Therm-O-Flow 20 and Therm-O-Flow Hose Support Kit Used for second hose exiting the pump
253147	Easy Key Display Replacement Kit for TOF 20
255233	Drum Low and Empty Sensor Kit

Repair Kits:

918439	Ram Repair Kit, Contains O-rings, retaining rings, piston and bumper for 3" (76mm) dual post ram.
C31065	Wiper Seal Replacement Kit (follower plate) Contains silicone coated round wiper seal with 2 internal spring for 20 I ram plate.
918424	Repair Kit 2 ball lower, PTFE packing, Lower 918 417,
241782	Repair Kit Throat packing for lower Check-Mate pump
288511	Finned (rippt)Platen assembly
288512	Smooth Platen assembly

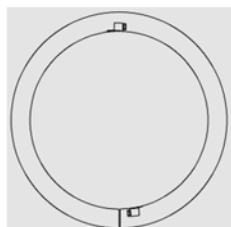
Therm-O-Flow 200

Accessories:

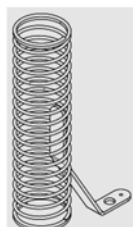
253559	Drum Low and Empty Sensor Kit, Signals when drum changes are needed
233559	Vent Hood Kit Exhaust material vapours with vent hood and facility ventilation system.
253147	Easy Key Display Replacement Kit for TOF 200

Repair Kits:

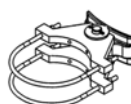
918395	Heavy Duty Drum Clamp, Centers, supports, and holds drum during ram removal
C32463	Saddle Clamps. Centres drum on base for raising and lowering of rams.
115694	Drip Tray Shield, used to retain any material drips from heated plates while changing drums.
234966	Hose Support Spring Kit. Mounts to cross bar on ram.
253283	Hose Hanger Spring Kit. Mounted by customer to hang hose overhead without kinking.
15H367	Shield, Accessory, TOF 200



C31065



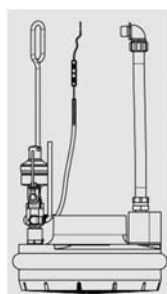
288543



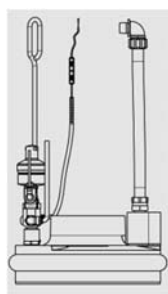
C32463



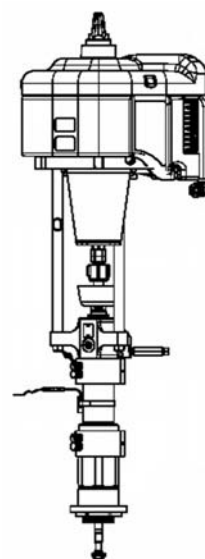
918395



288511



288512



288506
288507
288508



Hot Melt Therm-O-Flow ®

Accessories for all Therm-O-Flow units

Therm-O-Flow System Accessories	
255372	4-Zone Expansion Box. Adds 4 heated Zones to a Therm-O-Flow 20 or 200 system and is operated by the EasyKey of the TOF.
253547	Light Tower Kit, Indicates alarms and drum low/drum empty sensors to reduce downtime.
253548	Maintenance Call Button Kit, Signals maintenance crew to maximize productivity.
253567	Discrete I/O Kit, Discrete I/O feature provides remote control inputs and outputs for automation.
253566	Ethernet Connection Kit, Remote reporting through Ethernet connection includes material totalizes, setup replication, system alarm log, and custom language capability.
Applicators & Dispense Valves	
249515	Manual Gun, Top Feed, 230V
249514	Manual Gun, Bottom Feed, 230V
249513	Manual Gun, Top Feed, Electric Switch, 230V
249512	Manual Gun, Bottom Feed, Electric Switch, 230V
297273	Manual Gun, Top Feed, Swirl, 0.030 Orifice, 230V
297274	Manual Gun, Bottom Feed, Swirl, 0.030 Orifice, 230V
297266	Automatic Swirl Dispense Valve, 0.030 Orifice, 230V
Air-Operated Heated Dispense Valve	
297261	Automatic Swirl Dispense Valve, 0.030 Orifice, 230V Air Operated Snuff-Back Heated Dispense Valve
243694	Automatic Dispense Valve, 230V. Air Operated Heated Dispense Valve
244951	Automatic Dispense Valve, 230V. Air Operated High Flow Heated Dispense Valve
244909	Automatic Dispense Valve, 230V. Air Operated Snuff-Back Heated Dispense Valve
243701	45 in Distribution Header With Valve, 230V
Flow Control & Manifolds	
243700	Heated Air Operated Mastic Pressure Regulator, 230V
243656	23:1 Heated Pressure Compensator Valve, 230V
243657	51:1 Heated Pressure Compensator Valve, 230V
243697	Heated Distribution Manifold, 230V Includes (2) 3/4 npt(f) inlet check valves, 1 npt 4-ported manifold, (2) 1 in npt(f) outlet gate valves, mounting bracket, 400W 230 VAC heaters, RTD sensor and 8 pin connector box.
289208	Compact Heated Regulator
Accessory Controllers and Cables	
15H385	Crossover cable (old version) prior to 19/016/2008
121228	Crossover cable (new version) up to 16/06/2008
243698	2-Zone Accessory Control Box (old TOF without communication between TOF & BOX)
243699	4-Zone Accessory Control Box (old TOF without communication between TOF & BOX)
120409	2.4 m cable, 16 pin to 16 pin extension cable. Runs between controller and heated hose.
196313	4.5 m cable, 16 pin to 16 pin extension cable. Runs between controller and heated hose.
196314	7.5 m cable, 16 pin to 16 pin extension cable. Runs between controller and heated hose.
196315	4.5 m cable, 16 pin to 8 pin extension cable. Runs between controller and heated accessory.
196316	7.5 m cable, 16 pin to 8 pin extension cable. Runs between controller and heated accessory.
196317	4.5 m cable, 16 pin to (2) 8 pin extension cable. Runs between controller and heated devices.
196318	7.5 m cable, 16 pin to (2) 8 pin extension cable. Runs between controller and heated devices.
Miscellaneous Accessories	
116209	Fuse, 2,25 Ampere
116208	Fuse, 6 Ampere
120426	Fuse, 7 Ampere
116214	Fuse, 15 Ampere

Hot Melt Therm-O-Flow ®

Hot Melt Heated Hose

Manual 309106

Part No	Lenght	Hose core size	Swivel Fitting	Max pressure
120556	1,2m	No.8 (10,2mm)	3/4-16 JIC(f)	207 bar (3000 psi) @ 101-204°C
115902	1,8m	No.8 (10,2mm)	3/4-16 JIC(f)	
115873	3m	No.8 (10,2mm)	3/4-16 JIC(f)	
253281	3m	No.8 (10,2mm) with air hose for swirl	3/4-16 JIC(f)	
115874	4,5m	No.8 (10,2mm)	3/4-16 JIC(f)	
253282	4,5m	No.8 (10,2mm) with Air hose for swirl	3/4-16 JIC(f)	
115875	1,8m	No. 10(12,6mm)	7/8-14 JIC(f)	
115876	3m	No. 10(12,6mm)	7/8-14 JIC(f)	
115877	4,5m	No. 10(12,6mm)	7/8-14 JIC(f)	
115878	6m	No. 10(12,6mm)	7/8-14 JIC(f)	
115879	7,6m	No. 10(12,6mm)	7/8-14 JIC(f)	
121200	9,1m	No. 10(12,6mm)	7/8-14 JIC(f)	
15C586	0,9m	No. 12 (15,7mm)	1 1/16-12 JIC(f)	276 bar (4000 psi) @ -54°C-100°C
115903	1,8m	No. 12 (15,7mm)	1 1/16-12 JIC(f)	
115880	3m	No. 12 (15,7mm)	1 1/16-12 JIC(f)	
115881	4,5m	No. 12 (15,7mm)	1 1/16-12 JIC(f)	
115882	6m	No. 12 (15,7mm)	1 1/16-12 JIC(f)	
115883	7,6m	No. 12 (15,7mm)	1 1/16-12 JIC(f)	
115884	1,8m	No. 16 (22mm)	1 5/16-12 JIC(f)	
115885	3m	No. 16 (22mm)	1 5/16-12 JIC(f)	
115886	4,5m	No. 16 (22mm)	1 5/16-12 JIC(f)	
115887	6m	No. 16 (22mm)	1 5/16-12 JIC(f)	
115888	7,6m	No. 16 (22mm)	1 5/16-12 JIC(f)	
117821	3m	No. 20 (28,6mm)	1 5/8-12 JIC(f)	
117822	4,5m	No. 20 (28,6mm)	1 5/8-12 JIC(f)	

JIC Inlet Adapters

Part No.	Adapter Description	Fits hose no.	Manual
116704	1/4 npt(m) x 9/16-18(m) JIC	115865, 115866, 115867	309161
116703	1/4 npt(m) x 3/4-16(m) JIC	115902, 115873, 115874	
116702	1/4 npt(m) x 7/8-14(m) JIC	115875, 115876, 115877, 115878, 115879	
116712	1/4 npt(m) x 1-1/16-12(m) JIC	115903, 115880, 115881, 115882, 115883	
116765	3/8 npt(m) x 7/8-14(m) JIC		
116766	3/8 npt(m) x 1-1/16-12(m) JIC		
117832	3/8 npt(m) x 9/16-18(m) JIC		
117833	3/8 npt(m) x 3/4-16(m) JIC		

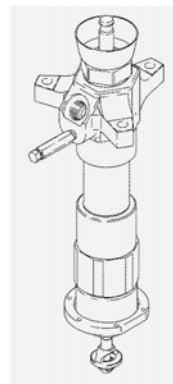
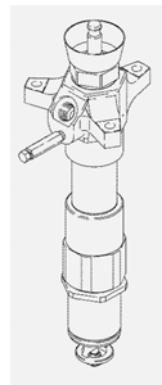
Part No.	Description
C34137	Fitting insulation 1/8" thick x 2" wide. Sold by the foot.
C33049	Adhesive tape, High temp for securing insulation (C34137) 2,5cm x 33m
198422	Wrap, Velcro 10" x 10" . Covers electrical connection on heated hose.
198442	Strap, Velcro. Use two around ends of wrap (198422) for security.

Check- Mate™ 800

Manual 308570

Technical Data

Maximum fluid working pressure	403 bar
Displacement pump effective area	8 cm
Maximum pump operating temperature	200°C
Fluid outlet size	1" npt(f)
Wetted parts	Carbon Steel; Chrome, Zinc, and Nickel Plating; 304, 316, 440, and 17-4 PH Grades of Stainless Steel; Alloy Steel; Ductile Iron; Fluoroelastomer; PTFE, Bronze.



Pump Part No.	Pump Series	Throat Seal Repair Kit	Priming Piston Repair Kit	Intake valve Repair Kit
237795	A	237905	237909	237907
237795	B	241782	237906	237907
237885	A	237905	237906	237907
237885	B	241782	237906	237907
253141	A	253545	237906	253546

▼ To convert a Series A single throat packing pump to a Series B dual throat packing pump, order Throat Repair Kit 241782 and a new Packing Nut 237799

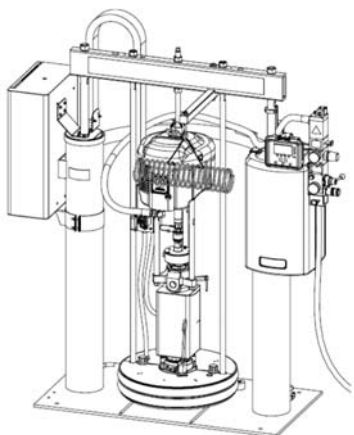
Part No.	Description	Manual
120271	Heater, 600 Watt - 240V, for lower CM800	311208
120275	RTD – Sensor, for heater / lower CM800	311208
C03510	Connection Kit to Senator / Bull / King	

Note:



Warm Melt Therm-O-Flow®

Manual 313296



Manual	Description
313529	Tandem Supply Systems Repair-Parts
313526	Supply Systems Operation
313527	Supply Systems Repair-Parts
312375	Check-Mate® Displacement Pumps Instructions-Parts
312376	Check-Mate® Pump Packages Instruction-Parts
312468	200 cc Check-Mate Displacement Pump Repair Parts
311238	NXT™ Air Motor Instructions-Parts
Maximum operating temperature	70°C

WM / TM First & Second digit XX third & fourth digit X fifth digit X sixth digit

WM	XX	X					X				
First & second Digit	Third & Fourth Digit	Fifth Digit					Sixth Digit				
	Pump	Ram Option					Plate and Seal Option				
WM Warm Melt Single System	See Table below		Size	Style	DataTrak Voltage	Air Controls		Plate Size	Plate Style	Plate Material	Seal Material
		4	3 in. 257051	D60	No Volt	INT	8	200L 257748	Dual Ring	PTFE coated	EPDM
		Y	3 in. 257052	D60	No Volt	2Button	9	200L 257749	Dual Ring	AL	EPDM
		5	3 in. 24C139	D200	No Volt	INT	Y	60L 24D068	Dual Ring	CS	PU
		6	3 in. 24C140	D200i	No Volt	2Button	U	60L 24D071	Dual Ring	SST	PTFE
		7	6.5 in. 24C136	D200s	No Volt	INT	R	30L 24D067	Dual Ring	CS	PU
		8	6.5 in. 24C138	D200si	No Volt	2Button	L	30L 24D070	Dual Ring	SST	PTFE
							H	20L 24D066	Dual Ring	CS	PU
							F	20L 24D069	Dual Ring	SST	PTFE

23:1

36:1

68:1

NXT 2200/CM 200	
21	P23LCS NXT2200/CM200
22	P23LCM NXT2200/CM200
26	P23LSM NXT2200/CM200

NXT 3400/CM 200	
29	P36LCS NXT3400/CM200
2A	P36LCM NXT3400/CM200
2G	P36LSM NXT3400/CM200

NXT 6500/CM 200	
2L	P68LCS NXT6500/CM200
2M	P68LCM NXT6500/CM200
2U	P68LSM NXT6500/CM200

Warm Melt Therm-O-Flow®

Manual 313296

Third & Fourth Digit

Code	Pump (312376)	Motor (311238)	Lower (312375)	Rep Kit Lower complete
21	P23LCS	N22LN0	L200CS	255509
22	P23LCM		L200CM	255510
26	P23LSM		L200SM*	255512
29	P36LCS	N34LN0	L200CS	255509
2A	P36LCM		L200CM	255510
2G	P36LSM		L200SM*	255512
2L	P68LCS	N65LN0	L200CS	255509
2M	P68LCM		L200CM	255510
2U	P68LSM		L200SM*	255512

*SST

Sixth Digit

Code	Plate	Wiper (1x)	Kit – Wiper (2x)
8	257748 (200L)	---	255653 EPDM
9	257749 (200L)		
Y	24D068 (60L)	257650	257653 PU
U	24D071* (60L)	257645	257648
R	24D067 (30L)		
L	24D070* (30L)		
H	24D066 (20L)	257640	257643
F	24D069* (20L)		

*SST

Accessories

Heated hoses

Manual 309160

Part No.	Description	Length	Side A	Side B	Max Pressure
115873	Heated Hose, CS	3,0 m	3/4" JIC	3/4" JIC	276 bar @ -54° - 100° C 206 bar @ 101°C - 204°C
253281	Heated Hose, CS with air tube for swirl	3,0 m	3/4" JIC	3/4" JIC	
115874	Heated Hose, CS	4,6 m	3/4" JIC	3/4" JIC	
253282	Heated Hose, CS with air tube for swirl	4,6 m	3/4" JIC	3/4" JIC	
115876	Heated Hose, CS	1,8 m	7/8" JIC	7/8" JIC	
115877	Heated Hose, CS	3 m	7/8" JIC	7/8" JIC	
115878	Heated Hose, CS	4,6 m	7/8" JIC	7/8" JIC	
115879	Heated Hose, CS	6 m	7/8" JIC	7/8" JIC	
115880	Heated Hose, CS	3 m	1- 1/16" JIC	1- 1/16" JIC	
115881	Heated Hose, CS	4,6 m	1- 1/16" JIC	1- 1/16" JIC	
115882	Heated Hose, CS	6 m	1- 1/16" JIC	1- 1/16" JIC	
115883	Heated Hose, CS	7,6 m	1- 1/16" JIC	1- 1/16" JIC	
115884	Heated Hose, CS	1,8 m	1-5/16" JIC	1-5/16" JIC	
115885	Heated Hose, CS	3 m	1-5/16" JIC	1-5/16" JIC	
115886	Heated Hose, CS	4,5 m	1-5/16" JIC	1-5/16" JIC	
115887	Heated Hose, CS	6 m	1-5/16" JIC	1-5/16" JIC	
115888	Heated Hose, CS	7,6 m	1-5/16" JIC	1-5/16" JIC	
117821	Heated Hose, CS	3 m	1-5/8" JIC	1-5/8" JIC	206 bar @ -54° - 204°C
117822	Heated Hose, CS	4,5 m	1-5/8" JIC	1-5/8" JIC	

Part No.	Description	Manual
24C222	Two-Zone Enclosure Accessory; max 100°C, complete stand alone	3A0100
24C526	Four-Zone Enclosure Accessory; max 100°C, complete stand alone	
24C223	Two-Zone extension Kit for Warm Melt	3A0099
24C493	Plate-Heater kit Warm Melt; (Heater, Sensor cover screws, washer) (Only fit to plate 257748 / 257749 / 257750)	313296
15W355	Cable between heater control and Hose, gun or plate (pigtail)	
255467	Light tower kit for single supply systems	312493
255468	Light tower kit for tandem supply systems	312493
255469	Drum low or empty kit	313296
24C530	Drum low AND empty kit	313296
255691	Platen cover 210 L	406681

Conversion kits

Part No.	Description	Manual
24D009	Kit converts D60 and 60i Ram to single system warm melt	313296
24D010	Kit converts D60 and D60i Ram A to tandem warm melt	
24D012	Kit converts D200 and D200i Ram to single system warm melt	
24D013	Kit converts D200 and D200i Ram A to tandem warm melt	
24D015	Kit converts D200s and D200si Ram to single system warm melt	
24D016	Kit converts D200s and D200si Ram A to tandem warm melt	
24D011	Kit converts D60 and D60i Ram B to tandem warm melt, without display	
24D014	Kit converts D200 and D200i Ram B to tandem warm melt, without display	
24D017	Kit converts D200s and D200si Ram B to tandem warm melt, without display	



Graco Product Guide

Saniforce™

HUSKY SANITARY SERIES – FDA – DIAPHRAGM

Manual: 311879
Manual: 3A1973(Husky 515)
EC-declaration: 199073
Flyer: 320462/334796

FD5 x x x

Husky 515

0,11 Litre/ Cycle (Overmolded)

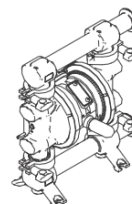
0,14 Litre/ Cycle (Standard)

1-1/2 " Sanitary Flange (size Tri-Clamp)

Air inlet 1/4" NPT(F)

Max. air consumption: 800 dm³/min

Max viscosity: 10.000 centipoises



FD1 x x x

Husky 1040

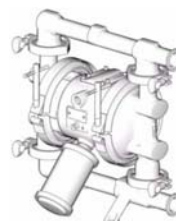
0,57 Litre/ Cycle

1-1/2 " Sanitary Flange (size Tri-Clamp)

Air inlet 1/2" NPT(F)

Max. air consumption: 1416 dm³/min

Max viscosity: 10.000 centipoises



FD2 x x x

Husky 1590

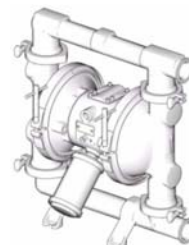
1,96 Litre/ Cycle

2 " Sanitary Flange (size Tri-Clamp)

Air inlet 1/2" NPT(F)

Max. air consumption: 3681 dm³/min

Max viscosity: 15.000 centipoises



FD3 x x x

Husky 2150

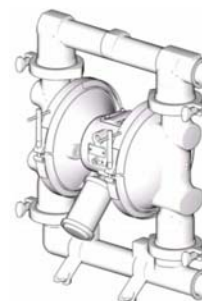
3,67 Litre/ Cycle

2-1/2 " Sanitary Flange (size Tri-Clamp)

Air inlet 1/2" NPT(F)

Max. air consumption: 4955 dm³/min

Max viscosity: 20.000 centipoises



SaniForce™

HUSKY SANITARY SERIES – FDA – DIAPHRAGM

High Sanitation Pumps

Husky 515 SST Sanitary pump,

Manual: 3A1973

Model	Seats	O-Rings	Balls	Diaphragms
FD5111	Stainless Steel	PTFE	PTFE	2-Piece PTFE
FD5113			PTFE	Overmolded PTFE
FD5122			Santoprene®	Santoprene®
FD5611		EPDM	PTFE	2-Piece PTFE
FD5613			PTFE	Overmolded PTFE
FD5622			Santoprene®	Santoprene®

Repair Kits Husky 515 Sanitary pumps

Pump Model	Repair Kit
FD5111	FK5111
FD5113	FK5113
FD5122	FK5122
FD5611	FK5611
FD5613	FK5613
FD5622	FK5622

Husky 1040 FDA SST Sanitary pump,

Manual: 311879

Pump	Pump size	Seat	Ball	Diaphragm
FD	1	1 316 SST with PTFE O-Rings	1 PTFE	1 PTFE
FA	1 = 1040	2 316 SST with EPDM O-Rings	2 Santoprene®	2 Santoprene®
			3 Polychloroprene SST core	3 PTFE Overmolded

FD = Stainless steel air motor

FA = Aluminum air motor

Available configuration Husky 1040 FDA:

FD1111, FD1122, FD1211, FD1222, FD1113,
FD1213, FD1132, FD1232, FD1133, FA1111,
FA1122, FA1132, FA1222

Repair Kit 1040 FDA	Seat	Ball	Diaphragm
FK1	1 316 SST with PTFE O-Ring	1 PTFE	1 PTFE
	2 316 SST with EPDM O-Ring	2 Santoprene®	2 Santoprene®
		3 Polychloroprene SST core	3 PTFE Overmolded

Available Husky 1040 Rep Kit:

FK1111, FK1122, FK1211, FK1222, FK1113,
FK1213, FK1132, FK1232, FK1133,



Graco Product Guide

Saniforce™

Husky 1590 FDA SST Sanitary pump,

Manual: 311879

Pump	Pump size	Seat	Ball	Diaphragm
FD	2	1 316 SST with PTFE O-Ring	1 PTFE	1 PTFE
FA	2 = 1590	2 316 SST with EPDM O-Ring	2 Santoprene®	2 Santoprene®
			3 Polychloroprene SST core	3 PTFE overmolded

FD = Stainless steel air motor

FA = Aluminum air motor

Available configuration Husky 1590 FDA:

FD2111, FD2122, FD2211, FD2222, FD2113,
FD2213, FD2132, FD2232, FD2133, FA2111,
FA2122, FA2132, FA2222

Repair Kit 1590 FDA	Seat	Ball	Diaphragm
FK2	1 316 SST with PTFE O-Ring	1 PTFE	1 PTFE
	2 316 SST with EPDM O-Ring	2 Santoprene®	2 Santoprene®
		3 Polychloroprene SST core	3 PTFE overmolded

Available Husky 1590 Rep Kit:

FK2111, FK2122, FK2211, FK 2222, FK2113,
FK2213, FK2132, FK2232, FK2133

Husky 2150 FDA SST Sanitary pump,

Manual: 311879

Pump	Pump size	Seat	Ball	Diaphragm
FD	3	1 316 SST with PTFE O-Ring	1 PTFE	1 PTFE
FA	3 = 2150	2 316 SST with EPDM O-Ring	2 Santoprene®	2 Santoprene®
			3 Polychloroprene SST core	3 PTFE Overmolded

FD = Stainless steel air motor

FA = Aluminum air motor

Available configuration Husky 2150 FDA:

FD3111, FD3122, FD3211, FD3222, FD3113,
FD3213, FD3132, FD3232, FD3133, FA3111,
FA3222, FA3132, FA3222

Repair Kit 2150 FDA	Seat	Ball	Diaphragm
FK3	1 316 SST with PTFE O-Ring	1 PTFE	1 PTFE
FK3	2 316 SST with EPDM O-Ring	2 Santoprene®	2 Santoprene®
		3 Polychloroprene SST core	3 PTFE Overmolded

Available Husky 2150 Rep Kit:

FK3111, FK3122, FK3211, FK 3222, FK3113,
FK3213, FK3132, FK3232, FK3133

Options for Ram mounting

Pump Model	Repair Kit	Seats	O-rings	Balls	Diaphragms
24G743	FK3113	316 sst	PTFE	PTFE, white	PTFE Overmolded
24G744	FK3132	316 sst	PTFE	Polychloroprene with SST core	Santoprene

SaniForce™

High Sanitation Pumps

Manual: 310622

Flyer:

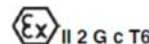
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Techn. Data Husky 3150 SST Sanitary Pump:

Maximum fluid working pressure	8.4 bar	
Air pressure operating range	1.4 to 8.4 bar	
Air inlet size	1/2 npt(f)	
Maximum suction lift - ball	5.5 m wet	2.7 m dry
Maximum suction lift - flapper	3.0 m wet	1.5 m dry
Maximum size of pumpable solids	Ball / Flapper	25.4 mm / 63.5 mm
Maximum diaphragm operating temperature:		
Santoprene 82.2°C		PTFE 104.4°C
Buna-N 82.2°C		Fluoroelastomer 121°C
EPDM 135°C		

Techn. Data Husky 1590 SST Sanitary Pump:

Maximum fluid working pressure	8.4 bar	
Air pressure operating range	1.4 to 8.4 bar	
Air inlet size	1/2 npt(f)	
Maximum suction lift - ball	8.5 m wet	4.6 m dry
Maximum size of pumpable solids	Ball	15.9 mm
Maximum diaphragm operating temperature:		
Santoprene 82.2°C		PTFE 104.4°C
Buna-N 82.2°C		EPDM 135°C

Model	Description	Compliance Approvals
* 1590 SABAAA * 3150 SA_ AAA	Sanitary Diaphragm Pump	
* 3150 SA_3_1	Heavy Duty Sanitary Ball Check Pump	
* 1590 SABAA13	Heavy Duty Sanitary Ball Check Pump	
* 1590 * 3150 SB_1 * 3150 SB_3	Sanitary Ball Check Pump	
* 3150 SF_ F1 * 3150 SF_ F3	Sanitary Flapper Check Pump	
24C124 (for ram and BES mounting)	3150 Sanitary Ball Check Pump for Ram Systems, with EPDM overmolded diaphragms and PTFE check balls; 24C124 is the same as SA3AA3 except it does not include a fluid inlet tee, elbows, and related parts.	
24J388 (for ram mounting)	3150 Sanitary Ball Check Pump for Ram systems, with santoprene diaphragms and santoprene check balls; 24J388 is the same as SA3663, except it does not include a fluid inlet tee, elbows, and related parts.	
24J389 (for ram mounting)	3150 Sanitary Ball Check Pump for Ram Systems, with PTFE/EPDM overmolded diaphragms and PTFE check balls. 24J389 is the same as SA33A3 except it does not include a fluid inlet tee, elbows, and related parts.	
24E440 (for BES mounting)	3150 Sanitary Ball Check Pump for Bin Evacuation Systems, with EPDM overmolded diaphragms and PTFE check balls. 24E440 is the same as SA3AA3 except it does not include a fluid inlet tee, elbows, and related parts. The clamp handles are positioned for use with BES3F3.	
248273 (for BES mounting)	3150 Sanitary Ball Check Pump for Bin Evacuation Systems, with santoprene diaphragms and santoprene check balls. 248273 is the same as SB3663 except it does not include a fluid inlet tee, elbows, and related parts.	
24E667 (for BES mounting)	3150 Sanitary Ball Check Pump for Bin Evacuation Systems, with PTFE/EPDM overmolded diaphragms and santoprene check balls; 24E667 is the same as SB3363 except it does not include a fluid inlet tee, elbows, and related parts.	
248274 (for BES mounting)	3150 Sanitary Flapper Check Pump for Bin Evacuation Systems with santoprene diaphragms. 248274 is the same as SF36F3 except it does not include a fluid inlet tee, elbows, and related parts.	

* Refer to **Pump Matrix** on page 29 to determine the part number of configured pumps.



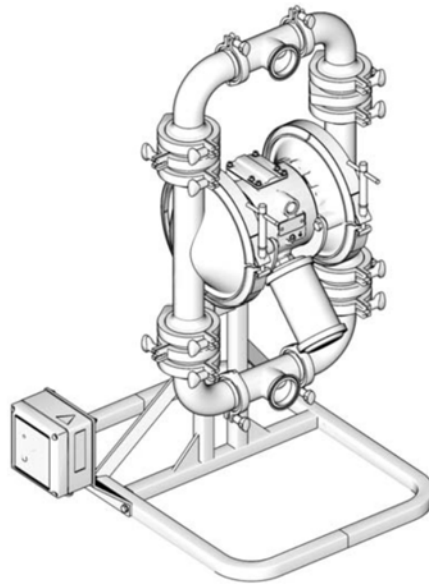
Graco Product Guide

Saniforce™

High Sanitation Pumps

Manual: 310622

Pump 3150 Stainless / Meat and Poultry Steel Sanitary Pumps



Pump Matrix

Sanitary Pump	Pump Configuration	Inlet and Outlet (in.)	Diaphragm	Check Ball Material	Leak Detector Pump Stand
S (for all pumps)	A (3A approved) HD Ball Check	1 (1½" x 1½")	A 3A approved (EPDM)	A 3A approved (PTFE)	A Leak detector and pump stand
	B Ball Check	2 (2" x 2")	3 (HD) PTFE/EPDM overmolded	6 Santoprene®	1 Pump Stand
	F Flapper Check	3 (3" x 3")	6 Santoprene®	7 Buna-N	3 None
		4 (4" x 4")	7 Buna-N	8 Fluoroelastomer	
		5 (3" x 2")	8 Fluoroelastomer	F Flapper	
		6 NONE			

SaniForce™

High Sanitation Pumps

Manual: 310622

Pump 3150 Stainless

3A Pump with Leak Detector Inlet/ Ball

Part No	Type	Outlet Size	Diaphragm Material	Ball Material
SA1AAA	3-A Approved	1.5 in x 1.5 in	Overmolded EPDM	PTFE
SA2AAA		2 in x 2 in		
SA3AAA		3 in x 3 in		
SA4AAA		4 in x 4 in		
SA5AAA		3 in x 2 in		

Sanitary Ball Pump

Part No	Type	Outlet Size	Diaphragm Material	Ball Material
SA13A1	Ball Check	1.5 in x 1.5 in	Overmolded PTFE/ EPDM	PTFE
SA23A1		2 in x 2 in		
SA33A1		3 in x 3 in		
SA43A1		4 in x 4 in		
SA53A1		3 in x 2 in		
SA3361		3 in x 3 in	Overmolded EPDM	Santoprene
SB2AA1		2 in x 2 in		PTFE
SB3AA1		3 in x 3 in		
SB2661		2 in x 2 in	Santoprene	Santoprene
SB3661		3 in x 3 in		
SB2771		2 in x 2 in	Buna-N	Buna-N
SB3771		3 in x 3 in		
SB2881		2 in x 2 in	Fluoroelastomer	Fluoroelastomer
SB3881		3 in x 3 in		

Sanitary Flapper Pump

Part No	Type	Outlet Size	Diaphragm Material
SF3AF1	Flapper	3 in x 3 in	Overmolded EPDM
SF36F1		4 in x 4 in	
SF4AF1		3 in x 3 in	Santoprene
SF46F1		4 in x 4 in	
SF37F1		3 in x 3 in	Buna-N
SF47F1		4 in x 4 in	
SF38F1		3 in x 3 in	Fluoroelastomer
SF48F1		4 in x 4 in	

3150 Accessories:

15D989	Conversion kit: Ball to flapper, includes four flapper assemblies		
15H461	Conversion kit 3-A: Flapper to ball, includes four housing retainers balls need to be ordered separately		
15E285	Conversion Kit for rebuild flatter to ball valve, without balls		
D0F010	PTFE ball Kit (112359 PTFE ball)		
D0F060	Santoprene ball Kit (112361 Santoprene ball)		
D0F070	Buna-N ball Kit (15B492 Buna-N ball)		
D0F080	Viton ball Kit (15B491 Fluoroelastomer ball)		
253225	Santoprene diaphragm kit		
253223	Buna-N diaphragm kit		
253222	Fluoroelastomer diaphragm kit		
253224	Overmolded EPDM diaphragm kit		
15D990	Leak detector kit		
Pump Inlet and outlet T-fitting			
234532 3" x 3"	234534 3" x 2"	234535 3" x 4"	234536 3" x 1.5"
16E975	Flapper Valve Conversion kit		



Graco Product Guide

Saniforce™

High Sanitation Pumps

Manual: 310622

PSaniforce 1590 Stainless Steel Sanitary Pumps

Part No	Pump Configuration	Inlet x Outlet (inch)	Check Valve Style	Check Ball Material	Diaphragm Material
SABAAA	3A Approved with Leak Detector	2" x 2"	3A Ball Checks(HD)	3A PTFE	3A Approved EPDM
SBBAAA	Non-3A Approved No Leak Detector	2" x 2"	3A Ball Checks(HD)	3A PTFE	3A Approved EPDM
SBBA11	Non-3A Approved No Leak Detector	2" x 2"	3A Ball Checks(HD)	3A PTFE	PTFE
SBBA22	Non-3A Approved No Leak Detector	2" x 2"	3A Ball Checks(HD)	3A PTFE	Santoprene
SABA13	Non 3A Approved with Leak Detector	2" x 2"	3A Ball Checks(HD)	3A PTFE	PTFE / EPDM Overmolded(HD)
SBBA13	Non-3A Approved No Leak Detector	2" x 2"	3A Ball Checks(HD)	3A PTFE	PTFE / EPDM Overmolded(HD)

3150/1590 stainless Accessories:

Part No	Description
255122	Air valve repair kit 3-A
255058	Overmolded EPDM diaphragm kit
255059	Santoprene diaphragm kit
255060	PTFE diaphragm kit
15D990	Leak detector
112421	Santoprene ball (quantity one)
112419	PTFE ball (quantity one)
222011	Grounding clamp and cable

Meat and Poultry Pump

Techn.: Meat and Poultry Pump

Maximum fluid working pressure	8.0 bar	
Air pressure operating range	1.4 to 8.4 bar	
Air inlet size	1/2 npt(f)	
Maximum suction lift - ball	3 m wet	
Maximum size of pumpable solids	63.5 mm	
Maximum diaphragm operating temperature:		
Santoprene 82.2°C		Fluoroelastomer 121°C
Buna-N 82.2°C		EPDM 135°C

Meat and Poultry Pump:

Part No	Type	Outlet Size	Diaphragm Material
SFP6F1	Flapper	3 in x 3 in	Santoprene
SFP7F1			Buna-N
SFP8F1			Fluoroelastomer
SFPAF1			Over molded EPDM

Meat and Poultry Accessories:

Part No	Description
253225	Santoprene diaphragm kit
253223	Buna-N diaphragm kit
253222	Fluoroelastomer diaphragm kit
253224	Over molded EPDM diaphragm kit
15D990	Leak detector kit

SaniForce™

Saniforce Air motors

Manual: 3A1211

EC-Decl.: 199282

Air Motor Part Number	Air Motor In Kit with Shrouds	Series	Displacement (cc per cycle)	Stroke (inch)	Piston Diameter Inch (mm)	Maximum Air Inlet Pressure psi(MPa, bar)	Repair Kit Seals	Manual
24G785	24J760	A	800	4.75	3.5 (89)	100psi (0.7MPa, 7,0 bar)	16G524	406929
24G786	24J764	A	2200	4.75	6.0 (152)	100psi (0.7MPa, 7,0 bar)	24A547	
24G787	24J765	A	3500	4.75	7.5 (191)	100psi (0.7MPa, 7,0 bar)	24A551	

SaniForce™ 5:1 Sanitary Pumps

Manual: 3A0734

EC-Decl.: 199374

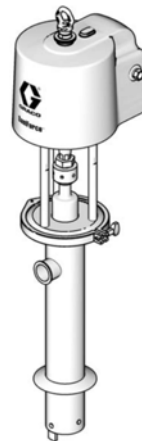
Techn. Data:

Maximum Fluid Working Pressure	28.7 bar
Maximum Air Inlet Pressure	5.5 bar
Maximum Recommended Pump Speed:	60 DS / 53 liters/min
Maximum Fluid Temperature:	60°C
Maximum Ambient Temperature:	49°C
Air Inlet:	1/2 npt (f)
Fluid Inlet Type:	Fluid Outlet:
24E833, 10.2 cm Slotted	2 in. Tri-clamp®
24F195, 10.2 cm Slotted	
24F197 10.2 cm Slotted	
24F196 90 degree elbow, 6.3 cm Tri-clamp®	
24E831 10.2 cm Priming Piston	
24G741 10.2 cm Priming Piston with flange for 15.2 cm Clamp	
24G742 10.2 cm Slotted with flange for 15.2 cm Clamp	
Wetted Parts:	
316 Stainless Steel, Buna-N, UHMWPE, PTFE, Polychloroprene, Nylon	

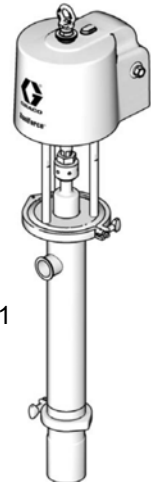
Accessories:

Part. No.	description
16G432	Lower Shield Fastener Kit
16G390	Muffler Kit (2X 512914)
16G389	Exhaust Assembly Kit
16G385	Grommet Kit

24F195



24E831



Pump Model	Displacement Pump	Pump Type	Description	Packings	Repair Kit Displ. Pump	Manual
24E831	24G760	Priming Piston	Drum Length	Buna, FKM, Nylon, Polychloroprene, PTFE, UHMWPE	24G552	406925
24E833	24G755	Double Ball	Stubby	Buna, FKM, PTFE, UHMWPE	24G551	406926
24F195	24G756	Double Ball	Drum Length	Buna, FKM, PTFE, UHMWPE	24G551	406926
24F196	24G758	Double Ball	Stubby, with Inlet Elbow	Buna, FKM, PTFE, UHMWPE	24G553	406927
24F197	24G757	Double Ball	Stubby	Buna, FKM, PTFE, Silicone, UHMWPE	24G554	406927
24G741	24G759	Priming Piston	Drum Length, with Flange for Ram	Buna, FKM, Nylon, Polychloroprene, PTFE, UHMWPE	24G552	406925
24G742	24G754	Double Ball	Stubby, with Flange for Ram	Buna, FKM, PTFE, UHMWPE	24G551	406926



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Saniforce™

SaniForce™ 6:1 Sanitary Pumps

Manual: 3A0733

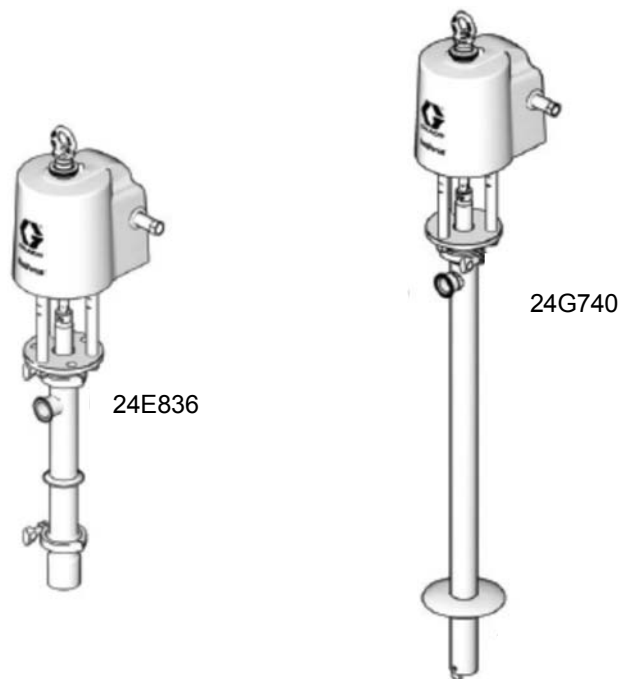
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Techn. Data:

Maximum Fluid Working Pressure	44.8 bar
Maximum Air Inlet Pressure	6.9 bar
Maximum Recommended Pump Speed:	60 DS / 15 liters/min
Maximum Fluid Temperature:	121°C
Maximum Ambient Temperature:	49°C
Air Inlet:	1/2 npt (f)
Fluid Inlet Type: 24E836 2.3 in (5.8 cm) Priming Piston 24E837, 24E838 2.5 in. (6.3 cm) Clamp 24E839 and 24E840 1.44 in. (3.6 cm) Slotted 24G739 2.3 in (5.8 cm) Priming Piston with flange for 6 in. (15.2 cm) Clamp 24G740 1.44 in. (3.6 cm) Slotted with flange for 6 in. (15.2 cm) Clamp	Fluid Outlet: 1-1/2 in. (3.8 cm) Tri-clamp®
Wetted Parts: 316 Stainless Steel, Buna-N, Polychloroprene, Nitrile, Nylon, UHMWPE. Certain models have PTFE packings.	

Accessories:

Part. No.	description
16G432	Lower Shield Fastener Kit
16G390	Muffler Kit (2X 512914)
16G389	Exhaust Assembly Kit
16G628	Grommet Kit



Pump Model	Displacement Pump	Pump Type	Description	Packings	Repair Kit Displ. Pump	Manual
24E836	24G746	Double Ball	Priming Piston	Buna-N, Nitrile, Nylon, Polychloroprene	24G550	406924
24E837	24G751	Double Ball	Stubby	PTFE	24G549	
24E838	24G752	Double Ball	Stubby	Stubby Buna-N, Polychloroprene, UHMWPE	24G548	406922
24E839	24G753	Double Ball	Drum Length	PTFE	24G547	
24E840	24G749	Double Ball	Drum Length	Buna-N, Nitrile, Nylon, Polychloroprene	24G546	406923
24F942	24G750	Double Ball	Bin Length	Buna-N, Nitrile, Nylon, Polychloroprene	24G546	
24G739	24G747	Priming Piston	Stubby, with Flange	Buna-N, Nitrile, Nylon, Polychloroprene	24G550	406924
24G740	24G748	Double Ball	Drum Length, with Flange	Buna-N, Nitrile, Nylon, Polychloroprene	24G546	406923

SaniForce™

SaniForce™ 12:1 Sanitary Pumps

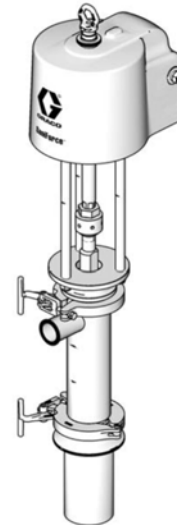
Manual: 3A0735
EC-Decl.: 199374

Techn. Data:

Maximum Fluid Working Pressure	100.4 bar
Maximum Air Inlet Pressure	6.9 bar)
Maximum Recommended Pump Speed:	60 DS / 32 liters/min)
Maximum Fluid Temperature:	71°C
Maximum Ambient Temperature:	49°C
Air Inlet:	1/2 npt (f)
Fluid Inlet Type: 10.4 cm tube with flange for 15.2 cm Tri-Clamp®	Fluid Outlet: 2 in. Tri-clamp®
Wetted Parts: 316 Stainless Steel, Buna-N, UHMWPE, PTFE, Acetal	

Accessories:

Part. No.	description
16G432	Lower Shield Fastener Kit
16G390	Muffler Kit (2X 512914)
16G389	Exhaust Assembly Kit
16G385	Grommet Kit
16G384	3X piston rod grommet Kit



Pump Model	Displacement Pump	Pump Type	Description	Packings	Repair Kit Displ. Pump	Manual
24F625	24G761	Priming	Stubby	Acetal, PTFE, Nitrile, UHMWPE	24G555	406928
24F626	24G762	Piston	Stubby with extra seal*		24G556	

* For use with viscous, sticky material.

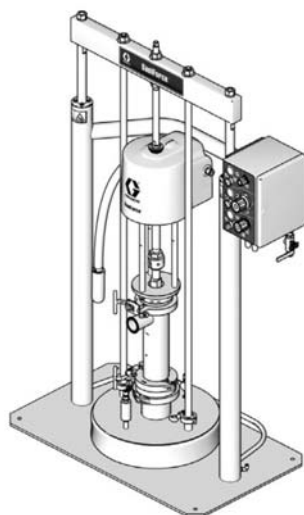


Graco Product Guide

Saniforce™

Ram Packages

Manual: 3A0591
EC-Decl.: 199375



Models Piston Pumps

Model	Frame		Controls		Pump Description	Ratio	Pump Max (bar)	
	SS*	CS*	SS*	CS*			Air Inlet	Fluid
24D708	X			X	Priming Piston, Drum	5:1	5,5	28,3
24D712		X		X				
24D714	X		X					
24D720	X			X				
24D724		X		X	Double Ball, Drum	6:1	6,9	44,8
24D726	X		X					
24D776	X			X	Priming Piston, Stubby			
24D780		X		X				
24D782	X		X		Double Ball, Drum			
24D788	X			X				
24D792		X		X				
24D794	X		X					
24D647	X			X	Priming Piston, Stubby	12:1	100	
24D651		X		X				
24D653	X		X					
24F188**	X			X				
24F189**		X		X				
24F190**	X		X					

SS = Stainless Steel CS = Carbon Steel

** This model has an additional seal for viscous, sticky materials

NOTE : Safety valve 5 : 1= 120306(80psi)

Safety valve 6 : 1 or 12 : 1 =103347(100psi)

SaniForce™

Ram Packages

Manual: 3A0591
EC-Decl.: 199375

Models Diaphragm Pumps

Model	Frame		Controls		Pump Description	Ratio	Pump Max (bar)	
	SS*	CS*	SS*	CS*			Air Inlet	Fluid
24G542	x			X	SaniForce 2150, Air-Operated Double Diaphragm, Ball Check, PTFE	1:1	8,2	8,2
24F191		x		X				
24G543	x		x					
24F192	x			x				
24F193		x		x	SaniForce 2150, Air-Operated Double Diaphragm, Ball Check, Santoprene			
24F194	x		x					
24D922	x			x				
24D926		x		x	SaniForce 3150, Air-Operated Double Diaphragm, Ball Check, PTFE			
24D928	X		X					
24D932		X		x				
24D936	X		X		SaniForce 3150, Air-Operated Double Diaphragm, Ball Check, Santoprene			
24D940	x			X				
24D944	x			X				
24D948		x		x	SaniForce 3150, Air-Operated Double Diaphragm, Flapper Check,Santoprene			
24D952	x		x					

SS = Stainless Steel CS = Carbon Steel

Inflatable Seal

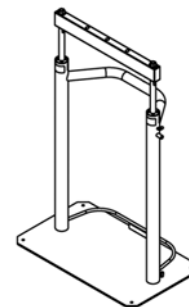
Part	Description	Normal Air Operating Pressure	Maximum Air Operating Pressure
16G242	Inflatable Seal	0.69-1.7 bar	2.1 bar

Ram Kits

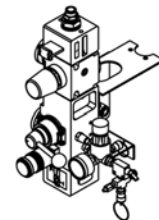
Part	Description
24G859	Stainless Steel Frame (Ram) with Control 16G393 SST
24G861	Same like 24G859 but with Control 16G396 CS
24G853	stainless steel Piston Repair Kit for 24G859 and 24G861
24G860	Frame (Ram) with Control 16G396 CS
24G853	Piston Repair Kit for 24G860
24H370	Conversion piston pump 12:1 to 3150 Diaphragm pump
15B111	Inflatable Wiper Retrofit Kit with 21,5" plate
15B114	Inflatable Wiper Retrofit Kit with 22,5" plate

309549

Frame



Air Control



Accessories

Part	Description
16G392	Push To Connect Fittings Kit , 1/4 1/4 to 1/4 ptc, FDA, 1/4 ptc to 1/4 barb, FDA, 1/2 npt x 1/2 ptc, FDA
16G390	Muffler Kit
16G389	Exhaust Assembly Kit



16G392



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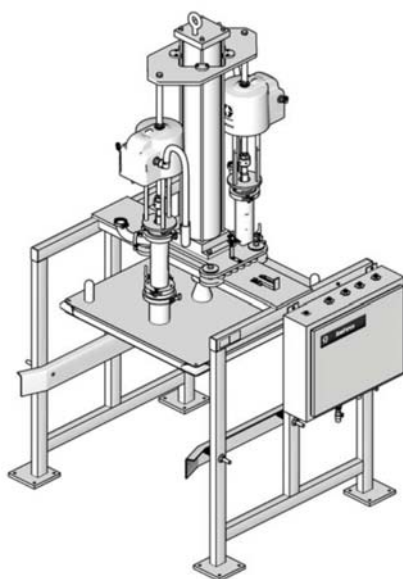
Saniforce™

Bin Evacuation System

Manual: 311163

EC-Decl.: 199308

For use with 300 gallon (1135 liter) bags in bin containers



3150 AODD Pumps

Bin Evacuation System	Pump Module		Plate		Controls/Frame	
BES	3	SaniForce 3150 Ball Check, 2 pumps	A	Arena	1	Electronic Controls, Allen-Bradley Micrologix, 2 Pumps
	4	SaniForce 3150 Flapper Check, 2 pumps	B	Pallecon	3	Manual Controls, 2 Pumps
	8	SaniForce 3150, 3A, Ball Check, 2 pumps	F	GoodPak MB5		
			P	Plywood		

Available Configurations

Model	Pump	Plate	Controls/Frame
BES3P1	3150 Ball Check	Plywood	Electronic
BES3P3	3150 Ball Check	Plywood	Manual
BES4P3	3150 Flapper Check	Plywood	Manual
BES3A1	3150 Ball Check	Arena	Electronic
BES4A1	3150 Flapper Check	Arena	Electronic
BES8B3	3150 3A Ball Check	Pallecon	Manual
BES3F3	3150 3A Ball Check	GoodPak MB5	Manual

SaniForce™

Bin Evacuation System

Manual: 311163

EC-Decl.: 199308

For use with 300 gallon (1135 liter) bags in bin containers

Piston Pumps

Bin Evacuation System B E S	Pump Module		Plate		Controls/Frame	
	A	5:1 SaniForce, Double Ball, 2 pumps	1	330 Arena Bin	A	Electronic Controls, Allen-Bradley Micrologix, 2 Pumps
	B	5:1 SaniForce Double Ball, 4 pumps	3	Chep	B	Electronic Controls, Allen-Bradley Micrologix, 4 Pumps
	E	12:1 SaniForce Priming Piston, 2 pumps	4	Ceva Pallecon, 2 pumps, 5:1	C	Manual Controls, 2 Pumps
	F	12:1 SaniForce Priming Piston, 4 pumps	5	Ceva Pallecon, 2 pumps, 12:1	D	Manual Controls, 4 Pumps
			6	Arena Bin, 4 pumps	F	Electronic Controls, Allen-Bradley Contrologix, 2 Pumps
			7	Plywood		
			9	TNT		
			A	Caliber 315 Buckhorn Bin, 2 pumps		

Available Configurations

Model	Pump	Plate	Controls/Frame
BESA4C	5:1, 2 pumps	Ceva Pallecon	Manual
BESAAC	5:1, 2 pumps	Buckhorn	Manual
BESA7A	5:1, 2 pumps	Plywood	Electronic, Micrologix
BESA7C	5:1, 2 pumps	Plywood	Manual
BESA7F	5:1, 2 pumps	Plywood	Electronic, Contrologix
BESB7B	5:1, 4 pumps	Plywood	Electronic, Micrologix
BESB7D	5:1, 4 pumps	Plywood	Manual
BESE1A	12:1, 2 pumps	Arena	Electronic, Micrologix
BESE1C	12:1, 2 pumps	Arena	Manual
BESE5C	12:1, 2 pumps	Ceva Pallecon	Manual
BESE7C	12:1, 2 pumps	Plywood	Manual
BESEAC	12:1, 2 pumps	Buckhorn	Manual
BESF6B	12:1, 4 pumps	Arena	Electronic, Micrologix
BESF6D	12:1, 4 pumps	Arena	Manual
BESF7D	12:1, 4 pumps	Plywood	Manual
BESF9B	12:1, 4 pumps	TNT	Electronic, Micrologix
BESF9D	12:1, 4 pumps	TNT	Manual

Accessories

Part No.	Description
15E523	2 Pump Manual Control Panel
15M343	4 Pump Manual Control Panel
949949	2 Pump Pneumatic Control Panel
570193	4 Pump Pneumatic Control Panel

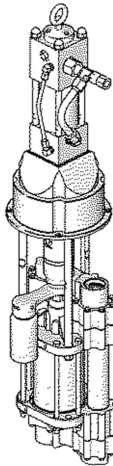


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Viscount®

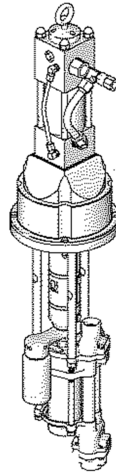
Viscount® 4-Ball Pumps

Viscount II Pump with HighFlo -Lower



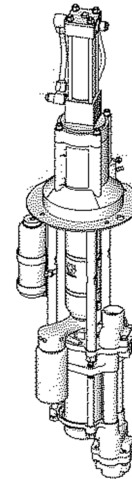
24E337 (3000cc)
24E338 (3000cc)
24E339 (3000cc)
24E340 (4000cc)
24E341 (4000cc)
24E342 (4000cc)

Viscount II Pump with 2000cc HF -Lower



24E334 (2000cc)
24E335 (2000cc)
24E493 (2000cc)
24E494 (2000cc)

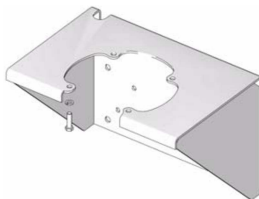
Viscount I Plus Pump with 1000cc HF -Lower



24E322 (750cc)
24E323 (750cc)
24E324 (750cc)
24E485 (750cc)
24E486 (750cc)
24E325 (1000cc)
24E326 (1000cc)
24E327 (1000cc)
24E487 (1000cc)
24E488 (1000cc)
24E328 (1500cc)
24E329 (1500cc)
24E330 (1500cc)
24E489 (1500cc)
24E490 (1500cc)
24E331 (2000cc)
24E332 (2000cc)
24E333 (2000cc)
24E491 (2000cc)
24E492 (2000cc)

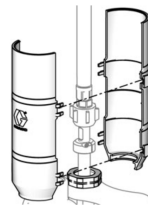
Wall Mounting Kit

255143



Shield Kits

24F252 750cc - 2000cc
24F255 3000cc - 4000cc



Graco Product Guide



Viscount®

Viscount I Plus with 750cc, 1000cc, 1500cc, or 2000cc 4-Ball Lower

Part No.	Max pressure	Volume	Fluid flow@ 60cycl/min lpm	Motor	Lower (Manual 3A0539)			Throat Packings	Seal Rep Kit	Seat Kit Carbide
						Inlet	outlet			
24E322	31 bar	750cc	36,4	261466	24F420	1 ½" npt	1" npt	24F245 UHMWPE/ Leather	16E904	24F249
24E323					1 ½" Tri-clamp					
24E324										
24E485					1 ½" npt	1" npt				
24E486										
24E325	21 bar	1000cc	53,5	261466	24F431	1 ½" npt	1" npt	24F245 UHMWPE/ Leather	277360	24F249
24E326					1 ½" Tri-clamp					
24E327										
24E487					1 ½" npt	1" npt				
24E488										
24E328	16 bar	1500cc	73,6	261466	24F439	1 ½" npt	1" npt	24F245 UHMWPE/ Leather	277362	24F249
24E329					1 ½" Tri-clamp					
24E330										
24E489					1 ½" npt	1" npt				
24E490										
24E331	12 bar	2000cc	101,5	261466	24F447	1 ½" npt	1" npt	24F245 UHMWPE/ Leather	277358	24F249
24E332					1 ½" Tri-clamp					
24E333										
24E491					1 ½" npt	1" npt				
24E492										

Viscount II 2000cc 4-Ball Lower

Part No.	Max pressure	Volume	Motor	Lower (Manual 3A0539)				Seal Rep Kit	Seat Kit Carbide
					Inlet	outlet	Throat Packings		
24E334	32 bar	2000cc	223646	24F447	1 ½" npt	1" npt	24F245 UHMWPE/ Leather	277358	24F249
24E335				24F441	1 ½" Tri-clamp				
24E336				24F442					
24E493				24F440	1 ½" npt	1" npt			
24E494				24F443					

Viscount II 3000cc / 4000cc 4-Ball Lower

Part No.	Max pressure	Volume	Motor	Lower (Manual 3A0540)			Throat Packings	Seal Rep Kit	Complete rep kit
					Inlet	outlet			
24E337	28 bar	3000cc	223646	24F450	2" npt	2" npt	24F247	243728	24F664
24E338				24F448					
24E339				24F449					
24E340	21 bar	4000cc	223646	24F453	2" npt	2" npt	24F247	243729	24F665
24E341				24F451					
24E342				24F425					



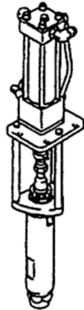
Graco Product Guide

Viscount®

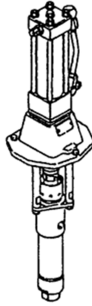
Viscount I



221080
6710990

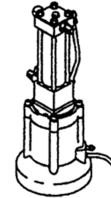


238349



218077

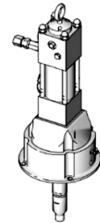
Motor



236417
261466



217222



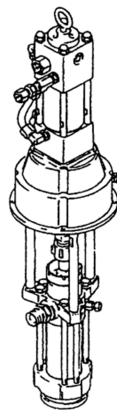
223646

Viscount II

Dura - Flo

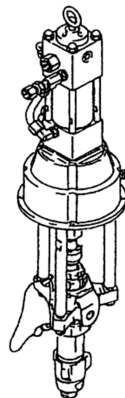


210313



222892
222897
222834
222900

Xtreme



245168
245180

Viscount®

Viscount I

Part No.	Description	Lower	Fluid Flo @ 60 cycles	Manual
217222*	Viscount I, motor 69 bar,	bare motor	---	307654
236417*	Viscount I, Motor	With base for Viscount I	---	308330
261466*	103 bar		---	
* = oil requirement per double stroke 0,195 l - oil pressure up to max. 69 bar or 103 bar				
218077	Viscount I Plus, 31 bar Motor 217222	Lower 224344, SST (Manual 308117)	11,7 Liter	307622
6710990		Lower 217529, CS (Manual 306936)		6000161
221080		Lower 223587, CS (Manual 306981)	9,5 Liter	307623
238349	Motor 238348 (Manual 308650)	Bare pump for Road Lazer, SST		308674

Viscount II

Part No.	Description: Viscount II	Lower	Fluid Flo @ 60 cycles	Manual
223646	Motor Viscount II (Quiet)	With base for Viscount II	---	308048

Part-No.	Description: Viscount II	Lower	Ratio	Manual
210313	Viscount II, 1000, 0,67:1	Lower 210208, bare pump, CS	0,67:1	307160
222892	Viscount II, 2600, Dura-Flo 1800,	Lower 222796 DF180cm ³ , bare pump, CS	1,73:1	308147
222897	Viscount II, 2600, Dura-Flo 1800,	Lower 222805 DF180cm ³ , bare pump, SST		308148
222834	Viscount II, 2000, Dura-Flo 2400	Lower 222801 DF240cm ³ , bare pump, CS	1,33:1	308151
222900	Viscount II, 2000, Dura-Flo 2400,	Lower 222803 DF240cm ³ , bare pump, SST		308152
245168	Viscount II, 5000, Xtreme 900, 3,5:1	Lower 244414, 220cm ³ , bare pump, CS	3,5:1	309340
245180	Viscount II, 4500, Xtreme 1045, 3:1	Lower 244416, 250cm ³ , bare pump, CS	3:1	309340

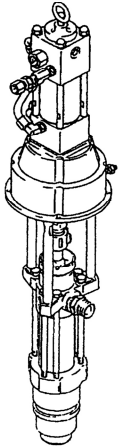


Graco Product Guide

Viscount®

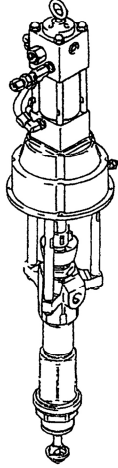
Viscount II

**Check Mate
2100**



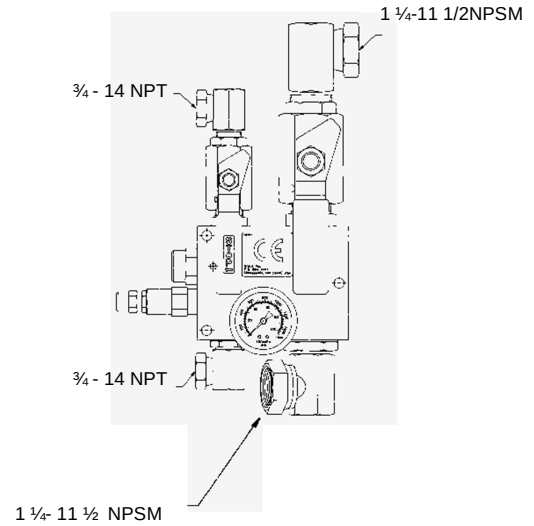
222902
246937

**Check Mate
800**



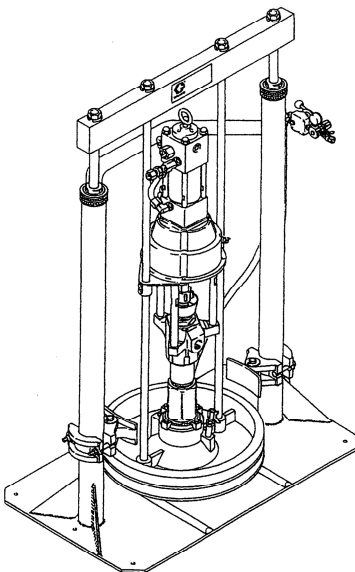
246938

**Hydr. Manifold
236865**

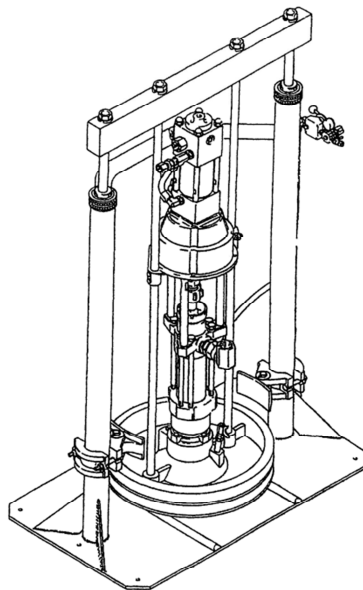


**Ram 3"
Check-Mate 2100**

**Ram 3"
Check-Mate 800**

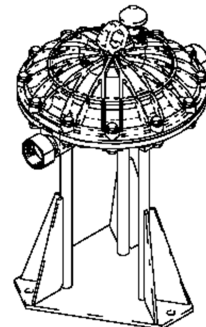


234378



234376

Surge Tank



218742 (stand)
218509

Viscount

Part-No.	Description:	Lower		Manual
246938	Viscount II, Check-Mate 800,	Lower 246939 CM, CS, bare pump (308351)	Ink 3,9 : 1	308351
222902	Viscount II, Check-Mate 2100,	Lower 222810 CM, CS, bare pump (308419)	Extrusion 1,53 : 1	308149
246937	Viscount II, Check-Mate 2100	Lower 246934 CM, CS, UHMWPE, Tuff stack (308149)	Ink 1,53 : 1	

Part-No.	Description	RAM		Manual
234378	Viscount II, Check-Mate 800, (246938)	200 L Ram 3", Drum clamp neopren rings (white)	Ink	308027
234376	Viscount II, Check-Mate 2100, (246937)	200 L Ram 3", Drum clamp neopren rings (white)	Ink	

Part-No.	Description	Motor	Manual
235345**	Viscount II, Motor	Bare motor	307158
223646+	Viscount II, Motor quiet	Bare motor	308048

Accessories

218742	Stand for surge tank	for Viscount II HF Serie	Accessories	307707
218509	Surge		Accessories	
118430	Hydraulic-Aggregate 5,5 kW 60Hz, 230V 3-phase or 50 Hz, 380V, 3-phase, max 82 bar 38 L/min			307550
236865	Hydraulic-manifold hydr. Inlet ¾" - Outlet 1 ¼" incl. 0,9 m hose set			308395

Note: Viscount II Check-Mate 2100, installation 200 L RAM, only with 6,5" RAM (pump size),
used with 3" RAM remove the top screw of the hydraulic motor

Viscount II HF repair and conversion kit Manual 309130

Viscount II HF piston conversion kit Manual 309175, 309176, 309177

+ = Standard Viscount II HF pump

HF = High-Flo,

DF = Dura-Flo

CM = Check-Mate

** = oil requirement per double stroke 0,76 l - oil pressure up to 105 bar

Chapter 3

Electrically

Operated

Units

ELECTRICALLY OPERATED UNITS

Handheld sprayers

EasyMax WP™



258849
rep kit 16D563
Nozzle kit 262437

EasyMax FF™



16H243 /16H245
rep kit 16H641
Nozzle kit 262437

EasyMax WP II AC



16N663
rep kit 16P151
Nozzle kit 262438

XFORCE™ HD



16N655



24F727
24F728



16D799 (220V)
16F628 (12V)



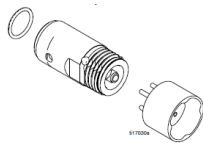
16D558



16G610



24F729



24J433



24F893

PST tips



FNS tips



XWD tips



NAR tips



16D560



16H618



16P325



16P165



16D563 (WP)
16H641 (FF)
16P151 (WP II)



16P167



16P166



16P169



16P170 16P171 16P172



24E376
24F039
24F640
24F641

ELECTRICALLY OPERATED UNITS

Handheld sprayers

258849	EasyMax™ WP Cordless Paint Sprayer, max working pressure 137bar Incl. 16D799 Lithium Ion Battery charger, 16D558 2x Power Battery, 24F077 Storage Case, Available Tips: PST211, PST213, PST315, PST411* , PST413, PST515* , PST517 *incl in 258848	3A1456
262583	EasyMax™ bare , without accessories like Lithium Ion Battery charger, Power Battery, Storage Case	
262605	EasyMax™ (UK) = 258848 + adapter 124507	
16H243	EasyMax FF™ Cordless Paint Sprayer, max working pressure 117bar Available Tips: FNS208* , FNS308, FNS210, FNS310* , FNS410, FNS312, FNS412 *incl in 16H243	3A1698
16H245	Same as 16H243 , but without brand label	
262612	EasyMax FF™ (UK) = 16H243 + adapters 16H593/124507	
16N663	EasyMax™ WP II 230V (also for UK) cord sprayer, max working pressure 138 bar Available Tips: NAR311, NAR315, NAR515, NAR517* *incl in 16N663	3A2854
16N664+	EasyMax™ WP II Cordless Paint Sprayer, max working pressure 138bar Available Tips: PST211, PST213, PST315, PST411, PST413, PST515, PST517* *incl in 16N664	3A2853
16N665+	EasyMax™ WP II (UK) = 16N664 + adapter 124507	
16N655	X Force™ HD Cordless Paint Sprayer, max working pressure 276 bar, RAC X, 517 tip	3A2308
16P692	UK version (16N655 + cord charger 16P411)	
16P693	Italy version (16N655 + cord charger 16P076)	
16P694	Denmark version (16N655 + cord charger 16P077)	
16P695	Switzerland version (16N655 + cord charger 16P078)	

Accessories

EasyMax

24F893	PROPACK (3.8 liters dorsal)			3A1292
24H366+	PROPACK liner (kit of 5)			
16D560	1l cup (U shape)			
16H618	0.75l cup (V shape)			
16D562+	Liner (kit of 10), fits on 0.75 l & 1 l cups			
16D558	18V Battery, fits on EasyMax WP & FF			
16F628	18V lithium ion portable battery charger (12 V)			3A1291
16G610	18V Battery slimline, fits only on EasyMax FF			
16D799	18V lithium ion portable battery charger (220 V)			
PSTXXX	RAC tips grey for EasyMax WP (available sizes: 211/213/315/411/413/515/517)			
FNSXXX	RAC tips green for EasyMax FF (available sizes: 208/210/308/310/312/410/412)			
24E376	Tip filter 60 mesh, 1 piece, black	24F039	Tip filter 60mesh, 3 pieces, black	
24F640	Tip filter 100 mesh, 1 piece, blue	24F641	Tip filter 100 mesh, 3 pieces, blue	
16D563	EasyMax WP repair kit	16P151	Easymax WP II repair kit	
16H641	EasyMax FF repair kit, solvent resistant			
24J424+	EasyMax FF inlet valve replacement kit			3A1702
262437+	EasyMax WP CleanShot replacement kit	24J433+	EasyMax FF CleanShot replacement kit	3A1701
24F727	Extension 30 cm, use with EasyMax WP only			
24F728	Extension 60 cm, use with EasyMax WP only			
24F729	Flexible 30 cm, use with EasyMax WP only			
24F045+	Fine Finish kit (restrictor for thin material)			
16P325	Pump Armor storage/ Startup kit	253574	1 liter bottles Pump Armor	
16P667	Propack inlet adapter plate (for units 16N664/16N665			3A2849

X-Force HD

16P325	Pump section					
16P173	28V battery					
16P178+	240V / 28V battery charger					
16P165	Spray-n-throw lids & liner (x25 of each)					
16P166	Spray-n-throw lids (x25)					
16P167	Twist-n-seal plugs (x6)					
16P169	Cup					
16P170	30 mesh filter grey (x10)	16P171	60 mesh filter grey (x10)	16P172	100 mesh filter grey (x10)	
16P168+	Start-up kit contains 6 filters; 5 cups; 6 plugs; 24 liners & 25 lids					
287019	10" extension (with RAC X)					
235486	180° spray nozzle					

+ Not shown

ELECTRICALLY OPERATED UNITS

Electric pressure washers

Aquamax 2330E / 2335E



Aquamax 3050E



ELECTRICALLY OPERATED UNITS

Electric pressure washers

Aquamax pressure washers		
Part-No.	Description	Manual
287428	Aquamax 2330E , 230V 1~, 160 bar, 9.8 l/min Nozzle size 0350 (16J127)	3A1693
287429	Aquamax 2335E , 400V 3~, 160 bar, 12 l/min Nozzle size 0350 (16J127)	3A1693
287430	Aquamax 3050E , 400V 3~, 205 bar, 16.8 l/min Nozzle size 0500 (16J130)	3A1692

ELECTRICALLY OPERATED UNITS

STMax – FinishPro

ST Max™ 395 / (II) 495

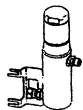
395 with hopper
(288526)



233955



234176, 249928
233963, 249929
233972, 249936



Kit - Filter
390 Units
249056

ST Max™ 395/(II)495/(II)595



249930, 249978,
249931, 249979,
249937, 249980

ST Max™ II 495 lo boy



253014

FinishPro 290



FT500

262458



257411
257412
257412



256843
256844
256845

UK – blue
I, CH, DK – red
Europe – black

Heated hose kit

15 m- 1/4"
30 m- 3/8"



24E656
24E657

Finish Pro 390 / 395



255110
255112
255114



255111
255113
255115

ELECTRICALLY OPERATED UNITS

FinishPro – STMax

ST Max				
Part-No.	Description	Accessories	Application	Manual
234176 233963 233972	ST Max 395 Stand 230V, 1,7 l/min (Denmark, Switzerland, Italy) 110 Volt (for U.K.)	15m ¼" hose, gun FTX 288438, RAC X, 517 tip, Display (inlet 1 5/16"-12 un(A)) lower 246428 (RepKit 244194) (309250)	Airless	309674R 309706T
233955 233963 233972	ST Max 395 Hopper 230V, 1,7 l/min (I, CH, DK) excl. hopper 246388 110 Volt for U.K. excl. hopper 246388	15m ¼" hose, gun FTX 288438 , RAC X, 517 tip, Display (inlet 1 5/16"-12 un(A)) lower 246428 (RepKit 244194) (309250)	Airless	309674R 309706T
249928 249929 249936 253014 249978 249979 249980	ST Max 495 II Stand 230Volt , 2,1 l/min (I, CH, DK) 110 Volt (for UK) ST Max 495 II Lo Boy ST Max 495 II Hi Boy (I, CH, DK) 110 Volt (for UK)	15m ¼" hose, gun FTX 288438, RAC X, 517 tip, Display (inlet 1 5/16"-12 un(A)) lower 246428 (RepKit 244194) (309250) Filter Gun PRO FTX-E 287 032: 60 Mesh, 287033: 100 Mesh 287 034: 60&100 Mesch	Airless	309665B 309674R 309706T
249930 249931 249937	ST Max 595 II Hi Boy 230Volt, 2,3 l/min (I, CH, DK) 110 Volt (for UK)	15m ¼" hose, gun FTX 288438, RAC X, 517 tip, Display (inlet 1 5/16"-12 un(A)) lower 246428 (RepKit 244194) (309250)	Airless	309665B 309674R 309706T
Finish Pro				
Part-No.	Description	Accessories	Application	Manual
255110 255112 255114	Finish Pro 390 , Europe 230 V (I, CH, DK) 110 Volt (for UK)	7,5m Air/Fluid hose 288621, gunG40 289604, Tip FFA210 lower 255 198 (312 015)	Air Mix	312100 311911R
255111 255113 255115	Finish Pro 395 , Europe 230 V (I, CH, DK) 110 Volt (for UK)	7,5m Air/Fluid hose 288621, gunG40 289604, Tip FFA210 lower 255 198 (312 015)	Air Mix	
Lo Boy 257411 257412 257413 Hi Boy 256843 256844 256845	Finish Pro 290 , Europe 230 V (I, CH, DK) 110 Volt (for UK) Europe 230 V (I, CH, DK) 110 Volt (for UK)	7,5m Air/Fluid hose 256976, gunG40 289604, Tip FFA210 lower 256 972 (313 763)	Air Mix	313316
FT500				
Part-No	Description	Accessories	Application	Manual
262458	FT500 ,Europe	15m fluid hose 240794, gun contractor 262114 (2 finger), tip PAA517	Airless	313433

Accessories

24E656	15m Heated High-Pressure Hose System, 230V AC / 1500W / 0-60°C	3A0476
24E657	30m Heated High-Pressure Hose System, 230V AC / 2100W / 0-60°C	3A0476
256410+	Hopper LDPE (black) 5 litre ¾" NPT (395/495ST)	
288526+	Hopper ST Max 395/495 , FinishPro 390/395 (old: 243496 : Hopper 395/495 ST Pro (309166))	309825
249056+	Fluid filter Kit for 390 incl. 60 mesh sieve 246 384	311012
246386+	Suction - kit ST Max 395/495 without return hose, connection 1 ¼"-12 UNF-2B	309706
24B250+	Hopper LDPE (5 liters) for FinishPro 290	313606
257520+	Hose extension kit (air + fluid) , 25 ft length	313605
288621+	7.5 m bonded air + fluid hose (standard on Finish Pro 390 & 395)	
288620+	15 m bonded air + fluid hose	

Fluid Filter ST-Max 395 – 595 (insert)

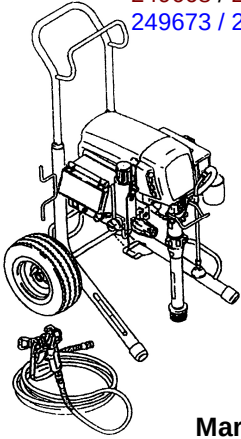
246425+	30 Mesh	246384+	60 Mesh	246382+	100 Mesh	246383+	200 Mesh
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+ Not shown

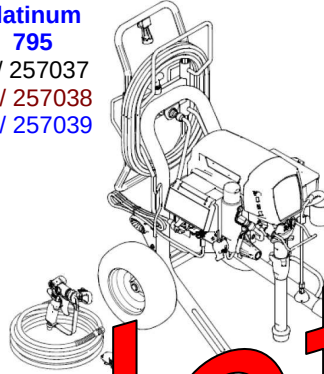
ELECTRICALLY OPERATED UNITS

UltraMaxII – Mark V – Mark X

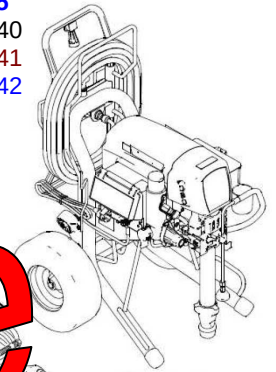
Ultra Max™ II Premium 695 / 795 / 1095
 249663 / 249666 / 249667
 249668 / 249671 / 249672
 249673 / 249674 / 249675



UM II Platinum 695 / 795
 257034 / 257037
 257035 / 257038
 257036 / 257039

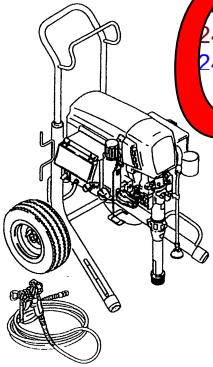


UM II Platinum 1095
 257040
 257041
 257042



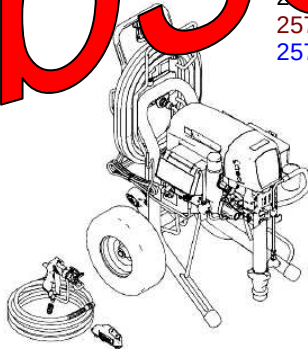
MarkV pro connect

249905
 249907
 249906



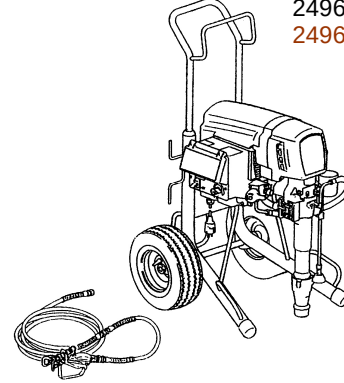
Mark V platinum

257044
 257045



Mark X pro connect

249627
 249628



obsolete

Hopper

287987



and
 Mark V & Mark X

Bag Roller

289587



connecting hose
 hopper - lower

243380

for GM1030, GMax 7900 and Roof Rig

243392

for UltraMax 1595 and GMax 5900Hi-Boy



Kit - Filter (311515)
 (accessory Mark X)
 287995



Fitting for second hose
162485 3/8" / 3/8" (Mark V)
164672 3/8" / 1/4" (695-1595)



240131 Cap for 1/4" outlet
 240987 Cap for 3/8" outlet

ELECTRICALLY OPERATED UNITS

UltraMaxII – Mark V – Mark X

Ultra Max II 695 – 795 – 1095				
Part-No.	Description	Accessories	Application	Manual
249663 249668 249673	Ultra Max Premium 695II Hi Boy, 230 V, 3,0 l/min (I, CH, DK) 110 Volt (for UK)	0,9m-3/16" whipend 238 358, 15m-1/4" hose 240 794, Gun Contractor II RACX 262114, Tips: PAA517, PAA621, PAA625	Airless	Premium 311344B 311365R 311363T
257034 257035 257036	Ultra Max Platinum 695II Hi Boy, 230 V, 3,0 l/min (I, CH, DK) 110 Volt (for UK)	lower 248 204 (Rep kit 248 212) (310 643) (inlet 1 5/16"-12 un(A) lower 287513 (Rep kit 248 213) (310894) (inlet 1 5/16"-12 un(A) for 1095 Proconnect		
249666 249671 249674	Ultra Max Premium 795 II , 230 V, 3,6 l/min (I, CH, DK) 110 Volt (for UK)	Fluid Filter Ultra-Max II 695 - MarkV Smart 44 071: 30 Mesh, 244 067: 60 Mesh 244 068: 100 Mesh, 244 069: 200 Mesh		
257037 257038 257039	Ultra Max Platinum 795II Hi Boy, 230 V, 3,0 l/min (I, CH, DK) 110 Volt (for UK)			
249667 249672 249675	Ultra Max ProConnect 1095 II , 230 V, 4,1 l/min (I, CH, DK) 110 Volt (for UK)	0,9m-3/16" whipend 238 358, 15m-1/4" hose 240 794, Gun Contractor II RACX 262114, Tips: PAA517, PAA621, PAA625		
257040 257041 257042	Ultra Max Platinum 1095II Hi Boy, 230 V, 3,0 l/min (I, CH, DK) 110 Volt (for UK)	lower 287 513 (RepKit 248 213) (310 894) (inlet 1 5/16"-12 un(A)		

Platinum unit's with remote pressure control ! E-Lock is not incl. !

Mark V				
Part-No.	Description	Accessories	Application	Manual
249905 249907 249906	Mark V ProConnect , 230 V, 4,3 l/min (I, CH, DK) 110 Volt (for U.K.)	0,9m 1/4" whipend 240 749, 15m-3/8" hose 240 797, Gun Contractor RACX 269605, HDA 227114A 531, inlet 1"-11 1/2 NPS(A), lower 287928 (Rep Kit 249189) (310894) lower UK 287929 (Rep Kit 248213)	Airless	311344B 311365R 311363T
257043 257044 257045	Mark V Platinum , 230 V, 4,3 l/min (I, CH, DK) 110 Volt (for UK)	Similar to Mark V ProConnect but with hose reel, remote pressure control and e-lock protection		

Platinum unit's with remote pressure control ! E-Lock is not incl. !

Mark X				
Part-No.	Description	Accessories	Application	Manual
256166	Mark V Plus Europe (KA only)			
249627 249628	Mark X, 230 Volt, 9,1 l/min (I, CH, DK)	15m, 3/8" hose, whip end, swivel, gun 245820 Tip TMX 535 & 545 lower 287946 (RepKit 287945) (309277)	Airless	311421
258654	Check Valve Replacement (Rep kit 258650)			

ELECTRICALLY OPERATED UNITS

UltraMaxII – Mark V – Mark X

Accessories Mark V and Mark X

287987	Texture hopper, Mark V & Mark X, 95 Liter (25 Gal.)	311534
289587	Bag roller (for texture hopper 287 987)	311535
287995	Fluid filter - Kit Mark V (accessory for Mark X)	311515
162485	3/8" (m) / 3/8" (m) fitting second hose connect (Mark V)	
164672	3/8" (m) / 1/4" (m) fitting second hose connect (Ultra-Max 695-1595)	
240131	Plug 1/4" for 2 nd connector (with chain)	
240987	Plug 3/8" for 2 nd connector (with chain)	
243380	Connecting hose for connecting the hopper to the lower for GM1030, GMax 7900 and Roof Rig	309012
243392	Connecting hose for connecting the hopper to the lower for UltraMax 1595 and GMax 5900Hi-Boy	
258529 +	E-Lock, set of 2 wireless remote controls, incl. battery (only for Platinum) Duracell A27)	313545
24B194 +	E-Control, wireless remote pressure control (only for Platinum) (batterie is 15X949)	

Fluid Filter Ultra Max II 695 – Mark V (insert)

244071+	30 Mesh	244067+	60 Mesh	244068+	100 Mesh	244069+	200 Mesh	15C766+	Tube diffusion
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287293	Auto Clean 2 Kit (valve and clamp), plug 248314	309955
244253	Auto Clean 1 Kit (valve and clamp), plug 196781	309278



Auto Clean

244253 (1)
287293 (2)

Tools

197193 +	Hammer	111733 +	Wrench
240296 +	Hose strap (4 pieces pack)	240565 +	Hose strap (10 pieces pack)

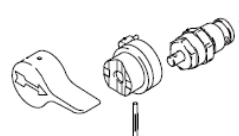
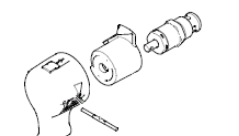
Suction Kit's

246386 +	Suction - kit ST Max 395/495 without return hose, connection 1 1/4"-12 UNF-2B	309706
248216 +	200l Drum Suction Kit UM II 695 / 795	
248317 +	20 – 200l Drum Suction Kit UM II 695 / 795	
248390 +	20 – 200l Drum Suction Kit UM II 1095 (needs 90°swivel 115 508 for Mark V / X)	
24D415+	1000l HD Container Suction Kit 2" hose, SST, pump connection 1" npsm	
243167 +	1000l Container Suction Kit (1"NPT) Mark V Texsray	
098265 +	1000l Container Suction Kit (3/4"NPT) Ultra Max	
24M445+	Container Suction set plaster (with 2" DIN C swivel) connector	3A2512

+ not shown

258200+	Wood Injection Kit, Extension + Adapter	
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Drain Valve's please look drawing below

	Old Version Rep Kit 245103 (308961) 15G563 Handle 116424 Nut cap	
	235014 Valve & gasket small: large: 224807 Base 224807 111600 Pin 15C972 187625 Handle 15C780	
	New Versions (after 06.2009) 24B156 Valve (autoclean / fastflush) 24A382 base autoclean 15C972 Pin 15V591* Handle (Premium), without magnet (2 positions)	For premium/platinum units (Autoclean) , handle p/n 24B218 (with magnet, 3 positions) For premium platinum units (Fast flush) , handle p/n (with magnet) included in kit 24E233 (3 positions) Kit 24E233 (includes handle, pin, base) Kit 257352 (Flush 2 positions, included valve, base, handle* 2 positions & pin)

ELECTRICALLY OPERATED UNITS (2012)

UltraMax II
695/795/1095
Premium series



UltraMax II
695/795/1095
Platinum series



MARK MAX Platinum Series
Mark V / Mark VII / Mark X



MARK V / MARK X
Premium series



EH 200DI



EH 300DI

ELECTRICALLY OPERATED UNITS (2012)

Ultramax II premium HiBoy				
Part n°	Description	Accessories	Application	Manual
24M693 24M694 24M695	Ultramax II 695 II Premium , 230V, 3.0 l/min 230V (I, CH, DK) 110 Volts (for UK)	0,9m-3/16" whip end 238 358, 15m-¼" hose 240 794, Gun Contractor II RACX 262114, Tips: PAA517, PAA621, PAA625	Airless	Premium 311344B 311365R 311363T 199188
24M696 24M697 24M698	Ultramax II 795 II Premium , 230V, 3.6 l/min 230V (I, CH, DK) 110 Volts (for UK)	lower 248204 (Rep kit 248 212) (310 643) (inlet 1 5/16"-12 un(A)		
24M700 24M701 24M702	Ultramax II 1095 II Premium , 230V, 4.1 l/min (I, CH, DK) 110 Volts (for UK)	lower 287513 (Rep kit 248 213) (310894) (inlet 1 5/16"-12 un(A) , for 1095 Proconnect		
Ultramax II Platinum HiBoy *				
Part n°	Description	Accessories	Application	Manual
24M373 24M374 24M375	Ultramax II 695 II Platinum , 230V, 3.0 l/min 230V (I, CH, DK) 110 Volts (for UK)	0,9m-3/16" whip end 238 358, 15m-¼" hose 240 794, Gun Contractor II RACX 262114, Tips: PAA517, PAA621, PAA625	Airless	Platinum 313437B 313565T 313558R 199188
24M376 24M377 24M378	Ultramax II 795 II Platinum , 230V, 3.6 l/min 230V (I, CH, DK) 110 Volts (for UK)	lower 248204 (Rep kit 248212) (310643) (inlet 1 5/16"-12 un(A) , for 695/795		
24M379 24M380 24M381	Ultramax II 1095 II Platinum , 230V, 4.1 l/min (I, CH, DK) 110 Volts (for UK)	lower 287513 (Rep kit 248213) (310894) (inlet 1 5/16"-12 un(A) , for 1095 Proconnect		
Mark V – Mark X premium				
Part n°	Description	Accessories	Application	Manual
24M001 24M004 24M002 24M003	Mark V Premium Proconnect, 230 V, 4.3l/min Mark V Plus 230V (I, CH, DK) 110 Volts (for UK)	0.9m-1/4" whip end 241735 15m-3/8" hose (240797) Gun Texture RAC X 289605, Tips: HDA527/ HDA531 lower 287928 (Rep Kit 249189) (310894) (Rep Kit 248213 with SS balls) inlet 1"-11 ½ NPS(A), for MARK V	Airless	3A2243B 3A2333R 3A2245T 199188
24M005 24M006	Mark X Premium Proconnect, 230 V, 8.3l/min 230V (I, CH, DK)	3.3m-3/8" whip end 191239 30m-1/2" hoses (2 x 277253) Gun Texture in line RAC X 245820 Tips: HDA531 / HDA543 lower 287946 (RepKit 287945) (309277) inlet 1"-11 ½ NPS(A), for MARK X		3A2243B 3A2244R 3A2528T 199188
Mark V – Mark VII- Mark X MAX Platinum				
Part n°	Description	Accessories	Application	Manual
24L993 24L994 24L995	Mark V Max platinum , 230 V, 4.3l/min 230V (I, CH, DK) 110 Volts (for UK)	0.9m-1/4" whip end 241735 30m-3/8" hose (2 x 240797) Gun Texture RAC X 289605, Tips: HDA527/ HDA531 lower 287928 (Rep Kit 249189) (310894) (Rep Kit 248213 with SS balls) inlet 1"-11 ½ NPS(A), for MARK V	Airless	3A2243B 3A2333R 3A2245T 199188
24L996 24L997 24M734* *not shown	Mark VII Max platinum , 230 V, 6.0l/min 230V (I, CH, DK) Mark VII Special edition , 230 V, 6.0l/min	3.3m-3/8" whip end 191239 30m-1/2" hose (2 x 278499) Gun Texture RAC X 289605, Tips: HDA531/ HDA541 lower 24M416 (Rep Kit 24M830) (310894) inlet 1"-11 ½ NPS(A), for MARK VII		3A2243A 3A2244R 3A2528T 199188
24L998 24L999	Mark X Max platinum , 230 V, 8.3l/min 230V (I, CH, DK)	3.3m-3/8" whip end 191239 30m-1/2" hoses (2 x 278499) Gun Texture in line RAC X 245820 Tips: HDA535 / HDA545 lower 287946 (Rep Kit 287945) (309277) inlet 1"-11 ½ NPS(A), for MARK X		3A2243A 3A2244R 3A2528T 199188
EH 200/300 DI				
Part n°	Description	Accessories	Application	Manual
24M054 24M056	DutyMax EH200DI, 230 V, 5.9l/min DutyMax EH300DI, 400V 3~, 11.3l/min	15m hose, whip end, texture gun 2 RAC X tips.	Airless	3A2246A 3A2247R 3A2248T

ELECTRICALLY & GASOLINE OPERATED UNITS

T- MAX, GTX, RTX, TEXTURE & GM 1030

T-Max 506 - 657



T-Max 506
255794
255796
255798

T-Max 657
255795
255797
255799

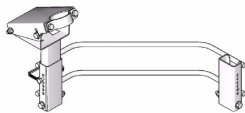
Bag Roller

289 823



Hopper
289946 76 Liters
289947 106 Liter s

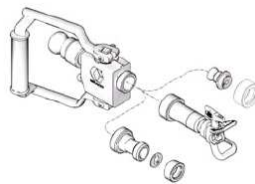
Mixer mount 506/657



289931

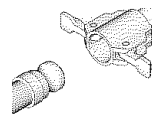
UK – blue
I, CH, DK – red
Europe – black

New Version (T-Max506/657)



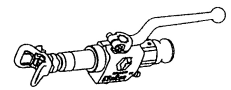
Texture Gun
256383
Rep kit
289916 spool
289918 O-Ring

Cam Lock new version



15T116 male 289874 female

Old Version (T-Max405) is OBS, please order 256383 & 289874

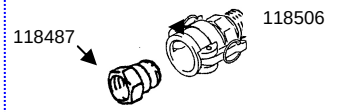


OBS!

Applicator texture

248164
Rep kit
248627

Cam – Lock old version



287337

Tex Spray GTX 2000 gasoline



248082
248083
248084

Coupler (Male 1")



118487

Gun GTX 2000



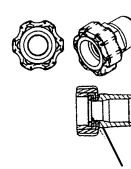
248093

Texture Gun No bleeder



248091

Adapter swivel 15D985



Gasket
118872

Round air nozzle



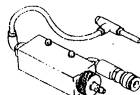
248888
248524
248525
248526
248527

RTX 1500



248370
248315

Ext. compressor connection Kit



287328

Fine Finish Tip



287227

Round air nozzle



Tip RTX 1500 & GTX 2000
15C883 15C888

Airless tip RAC 5



TMX

ELECTRICALLY & GASOLINE OPERATED UNITS

T- MAX, GTX, RTX, TEXTURE & GM 1030

Part-No.	Description	Accessories	Manual
255796 255794 255798	T-Max 506 6,4 Liter/min Hopper 76 Liters	5m 1" hose, 3m 3/4" hose = 8 m, 15m 3/8" I.D. air hose 1/4"NPT (A) with needle valve and quick connect, cleaning tool drill, brush and ball sponge Ø 1", (Lower 289943 rep. kit 248529)	312891
255797 255795 255799	T-Max 657 7,2 Liter/min Hopper 106 Liters	5m 1" hose, 3m 3/4" hose = 8 m, 15m 3/8" I.D. air hose 1/4"NPT (A) with needle valve and quick connect, cleaning tool drill, brush and ball sponge Ø 1", (Lower 289944 rep. kit 248529)	

Extention for Gun fittings 7/8" (m) and 7/8" (F), max 248bar					308824
232121	Length 25 cm	(gasket 15H622)	232122	50 cm	(gasket 15H622)
232123	Length 1 m	(gasket 15H622)	232124	1,5 m	(gasket 15H622)
232125	Length 2 m	(gasket 15H622)			

Hose T-Max 506 / 653			
289959	3m Ø ¾" whipped (blue)		
289960	5m Ø 1" Fluid hose (black)	289961	10m Ø 1" Fluid hose (black)
248557	15m air hose ⅜" kit incl. regulator (112779) and quick connect air (114558)		

Accessories						
289931	Hopper mixer Mount accessory		312771	289823	Bag Roller	312790
256383	Applicator T-Max 506/657 RAC X + HDA 651					312879
15T116	Coupling 1" male (T-Max 506+657)			289874	Coupling 1" female with gasket (T-Max 506+657)	
248164	Texture Applicator gun (old T-Max 405) with nozzle 6mm and TMX 651 , (spool Rep Kit 248627)					309987
248395	drill Ø 2,778 mm			248515	Ø 1" ball sponge 5 pieces kit	
289923	Filter sieve 30 Mesh, 2 p. kit with cap			289922	Filter sieve 18 Mesh, 2 p. kit with cap	
248405	Tool box applicator (248326 box "empty")					309977
248888	3 mm	Round air nozzle	248524	4 mm	Airless tip, with RAC V TMX 531, 535, 541, 545, 651, 661 and 671 (TMX tip are without diffuser)	
248525	6 mm		248526	8 mm		
248527	10 mm					

GTX 2000					
248082	Tex Spray GTX 2000, gasoline	7,5m hose kit 1", 248093	Texture Gun	Texture Material	309915B
248083	Tex Spray GTX 2000, gasoline	7,5m hose kit 1", 238080	Flex head Gun		309916T
248084	Tex Spray GTX 2000, gasoline Husky 1040, max.15l/ min, 8,3 bar	7,5m hose kit 1", 238807	Pole Gun		308603
248093	Texture gun, bleeder	(gun not already air closed)		Texture Material	310616
118487	Quick connect 1"				
238080	Texture flex head gun (hose) not for RTX 1500	approx. 50 cm	308603		
238807	Texture pole gun not for RTX 1500	approx. 80 cm	308603		

RTX 1500				
248370 248315	RTX 1500 Texture, 220 Volt 50 Hz, 10 A (I, DK, CH)	7,5m hose kit 1", Texture Gun 248 091 hopper volume 57 litre	Texture Material	310624B
	Max air pressure 3,1 bar	Tip for RTX 1500 & GTX gun		310645T
	Max delivery 7,57 l/min	15C883 3 mm tip 15C884 4 mm tip		310624B
		15C885 6 mm tip 15C886 8 mm tip		
		15C887 10 mm tip 15C888 12 mm tip		
248091	Texture Gun, non bleeder (RTX 1500)			310 616

Hose Kit with armature for RTX 1500 & GTX 2000 (incl. C.-lock coupling)				
287304	19 mm inside Ø fluid hose 7,6m and 9,5mm inside Ø air hose 7,6m		(C.-lock coupling 287192)	
287305	25 mm inside Ø fluid hose 15m and 9,5mm inside Ø air hose 15m		(C.-lock coupling 287194)	
287306	32 mm inside Ø fluid hose 7,6m and 9,5mm inside Ø air hose 7,6m		(C.-lock coupling 287195)	
287307	32 mm inside Ø fluid hose 15m and 9,5mm inside Ø air hose 15m		(C.-lock coupling 287196)	

Accessories		
287227	Fine Finish Kit incl. Tip 3,2mm, 6,4mm, 8,0mm, 9,5mm	310616
248112	Suction Kit 1 ¼" hose 1,2m, tube 775 mm for delivery out of separate tank	
287328	Auxiliary Air Kit allows use of external air supply for greater air atomization at spray gun	310694
287337	Cam-Lock-coupling 1"(f) x 1"(m) to connect hose with Cam-Lock	309916
118506	Cam-Lock-coupling 1"NPT(m)	
15G352	Gasket, replacement for 118 506 Cam-Lock-coupling	
15D985	Fitting 1"NPS(f) x 1"NPT(m)(hose 287 304 / 307) to Husky-Pump	
118872	Gasket, replacement for 15D 985 fitting	
248117	GTX air hose inside Ø 9,5mm, 15m,	

ELECTRICALLY & GASOLINE OPERATED UNITS

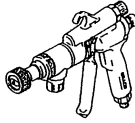
TEXTURE & GM 1030 & HTX2030,

Tex Spray 1030FC



234113

Texture Gun
for Tex Spray 1030FC

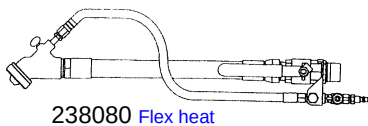


235490

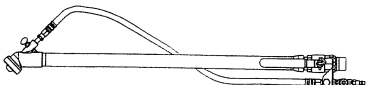
HTX 2030



257369*
257370



238080 Flex head



238807 Pole Gun

Flex head and Pole Gun Tip



- 190943 4,8 mm
- 190944 6,4 mm
- 190945 8,0 mm
- 190946 9,5 mm

234225 (3.8 liter)



245924
Gun + Hopper 234225

Hoppers

234222 (1 liter)



ELECTRICALLY & GASOLINE OPERATED UNITS

TEXTURE & GM 1030 & HTX 2030

1030 FC gasoline				
234113	Tex Spray 1030 FC, gasoline 3,4 bis 11,4 l/min, max. 60 bar	15m hose kit ½" air, ¾" fluid, texture gun 235490 lower 235166, rep. kit 235186	Texture Material	309663B
				309662T
235490	Texture gun incl. Gun nozzle size 1+2+3, round – and flat tip (241854 Fine Finish kit)			308 274

HTX 2030 gasoline				
257369*	TexSpray HTX 2030 – Complete high output Texture Pump FreeFlo Inline Gun, 3/4" x 15 m hose, fine finish kit with 4-6-8-10 mm nozzles, HDA671 airless tip and RAC X guard			313890T
257370	TexSpray HTX 2030 – Complete plus high output Texture Pump + 24B140 Kit Topcoat Similar to 257369 + Pump kit (24B140), HD Blue texture gun, 1/4" x 1 m whip hose, HDA643 airless tip.			

*Sale outside EU only

24B140	Kit Topcoat MaxLife™ Endurance™ high pressure pump kit with high pressure lower, HD Blue texture gun, 3/8 in x 15 m hose, 1/4 in x 0.9 m whip hose, HDA643 tip			
24B300	3/4 in x 15 m fluid hose, with remote on/off switch			
24B326	3/4 in x 15 m extension fluid hose Convert-a-Pump kit			
24B327	FreeFlo™ Inline™ gun with 4-6-8-10 mm nozzles, 30 mesh filter, HDA671 tip, RAC X guard			
24B944	Pole gun 1 m (3 ft) with 6-8-9.5-11-13 mm, nozzles, cap, fine finish adapter			313895
24B945	Flex head gun with 6-8-9.5-11-13 mm, nozzles, cap, fine finish adapter			313895
244052	HD Blue texture gun air atomizer kit with air hose (minimum air compressor rating of 708 l/min. @ 6.2 bar)			309272
244223	HD Blue texture gun air atomizer kit, same like 244052 but without hose			309272
289605	HD Blue texture gun, FreeFlo Inline gun			308491

Tips, Guards & Air Nozzles, for FreeFlo Inline Gun (241 705)

248888	3mm Nozzle	248524	4mm Nozzle	248525	6mm Nozzle
248526	8mm Nozzle	248527	10mm Nozzle		

Nozzle for Pole Gun and Flex Head Gun

16A443	5mm Nozzle	16A444	6mm Nozzle	16A445	8mm Nozzle
16A446	9,5mm Nozzle	16A447	11mm Nozzle	16A448	13mm Nozzle
16A449	14mm Nozzle				

For Pole Gun and FlexHead Gun

16A420 Cap, nozzle–soft			
16A405 Cap, nozzle–medium			
16A421 Cap, nozzle–hard			
16A246 Fine finish adapter			
245924	Texture gun and hopper 5,5 litre, Material delivering hose ¾"–11,5 thread		309584
234225	Hopper 5,5 litre	(234222 Hopper 2,8 litre)	309584
234153	Nozzle Kit, Texture/Hopper gun inc. tips beige 4mm, white 6mm, grey 8mm, black 12mm		309584

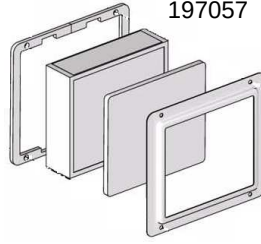
TurboForce™

257829 (257833UK) HVLP 7.0
257830 (257834UK) HVLP 9,0
257831 (257835UK) HVLP 9,5



HVLP TURBINE UNITS

15W217 gasket filter
240273 filter main
15W909 filter foam
197057 retainer filter



FinishPro™

CompPack Compressor
256850 120V UK
256854 230V Europe



257159 Hose 9m
257160 Hose 4,6m
257161 Hose 1,2m
240476 Material hose 9m
241423 Material & Air hose
9m with M70402
240065 Valve Air
M70402 quick disconnect



HVLP EDGE™ Gun



257092



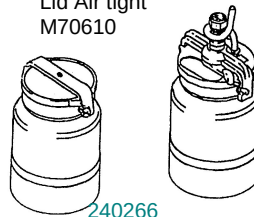
256856
(ARTISAN)



256855

Cup under assembly

Lid Air tight
M70610



244131

244130

240266
40 p. liner

Quick connecting



240 282



M70 402
3/4" -11 1/2NH

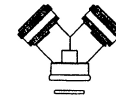
M70399

Air valve



M71681

Y-connection



240069

Radiator Kit



256952

cup over

244136 0,5 liter



M70394 Steam
256957 Check Valve (with tube)
244132 Cup 1 Liter (bottom)
M70424 Gasket 240265 (5x M704)
M71671 Tube fluid
193218 Strainer

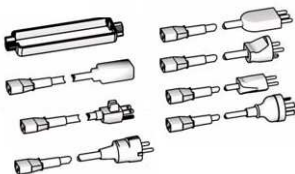
Artisan air valve kit

256927



retainer

195551



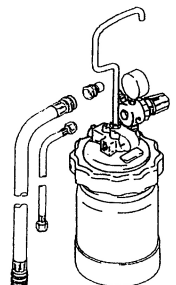
242001 (cord CE 230 V)
287121 (cord l/ch/dk 230V)

Pressure Pot

287819 1,9 liter
112491 40 p. intake 2 liter

240045 9,5 liter PTFE
112077 5 p. intake 10 liter
112078 40 p. intake 25 liter

M70672 Gauge Regulator
with relief valve



116281

HVLP TURBINE UNITS

Part No.	Description																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																</
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Chapter 4

PETROL
OPERATED
UNITS

PETROL OPERATED UNITS

Gmax 3400



248664

Gmax 3900



249335

**G MAX II
3900- 5900
Pro-connect Smart**



248684 (3900)
248688 (5900)
248701 (7900)

**G MAX II
3900-5900-7900
Proconnect Optimum**



258731 (3900)
258734 (5900)
258735 (7900)

**GH 200
GH 230
GH 300**



255095 (GH200)
253965 (GH230)
253968 (GH300)

**GH 5030
GH 3640**



687100
687327

GH 833



253471

Dutymax GH200/GH300



Accessories



OEM lower - kit
253473
24B932
24B933
24B934

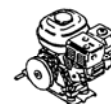


200L Drum immersion-kit
287843

**Hopper Kit
287 987**



**Gasoline motor
GH200
LL200HS**



motor - kit
248943

PETROL OPERATED UNITS

Gmax 3400- 3900 - 5900 - 7900 / GH 200 - 230 - 300 - 733 - 833

Part N°	description	accessories	application	manual
248664	GMax 3400 , Gas 4HP(2,9KW)@3600rpm/ 2.84 l/min	15m 1/4" hose (240794) gun 288420, Tip RAC X lower 235699 (308190)	Airless	310802 310813R EC-199169
249335	GMax II 3900 , Gas 4HP@3600rpm/ 4.7 l/min, Display	15m 1/4" hose (240794) gun 288420, Tip RAC X (HDA427) lower 287512 (310894)	Airless	3A0242 3A0244 P 3A0243 R EC-199169
248684	GMax II 3900 ProConnect Smart , 4HP@3600rpm/ 4.7 l/min, Display	15m 1/4" hose (240794) gun 288420, Tip RAC X (PAA517) lower 287512 (310894)	Airless	
248688	GMax II 5900 ProConnect Smart , 5.5HP@3600rpm/ 6 l/min, Display	15m 1/4" hose (240794) gun 288420, Tip RAC X (PAA517) lower 249513 (310894)	Airless	
248701	GMax 7900 ProConnect Smart , 6.5HP@3600rpm / 8.3 l/min, Display	15m 3/8" hose (240797), whip end (241735) gun 288420, Tip RAC X (PAA517) lower 249122 (310894)	Airless	
258731	GMax II 3900 ProConnect Optimum 4.8HP@3600rpm/ 5.7 l/min, Display Reel Hose	15m, 1/4" hose (240794) Contractor gun 288009 – RAC X, Tip PAA517 lower 287512 ProConnect (310894)	Airless	3A0242 3A0244 P 3A0243 R EC-199169
258734	GMax II 5900HD ProConnect 4.8HP@3600rpm/ 5.7 l/min, Display Reel Hose	30m, 3/8" hose, (2x240797), whip end (241735) Tex.-gun 289605– RAC X - tip 531&427 lower 287579 (310894)	Airless	
258735	GMax 7900 ProConnect Optimum 5.5HP@3600rpm / 7.9 l/min, Display Reel Hose	30m 3/8" hose, (2x289667), whip end (241735) Tex.-gun 289605– RAC X - tip 531&247 lower 249122 (310894)	Airless	
253957	GH 130 4HP@3600rpm/ 5.9 l/min	15m 3/8" hose (240797), 1/4" whip end (248358), Tex.-gun (246220) – RAC X – tip 517 lower 288466 (309277)		310765 310778 R
255095	GH 200 , Gas 5.5HP@3600rpm/ 9,8 l/min	15m 3/8" hose (240797), 1/4" whip end (248358), Tex.-gun (246220) – RAC X – tip 517 lower 288466 (309277)	Airless	310765 310778 R
253965	GH 230 6,5HP@3600rpm/ 10,7 l/min	15m 3/8" hose (240797), 1/4" whip end (248358), Silver gun (246240) – RAC X – tip 517 lower 288466 (309277)		
253968	GH 300 , 9.0HP@3600rpm, 11.4 l/min	15m 3/8" hose (240797), 1/4" whip end (248358), Silver gun (246240) – RAC X – tip 517 lower 288466 (309277)	Airless	
687100	GH 5030 Roof Rigs, 10.5 l/min	Bare without hose or gun	Airless	308972
687327	GH 3640 Roof Rigs, 14.4 l/min	Bare without hose or gun	Airless	308972
253471	GH 833 , Gasoline, 11HP@3600rpm, 15.1 l/min	Bare without hose or gun With suction hose and tube	Airless	311279 311484 R
253473	GH 833 OEM – lower kit	Ratio 1,45:1, max 15,1 l/min		311492
24B932	LL 200 OEM – Kit, Hydr. Motor 248021, lower 277068			
24B933	GH 200 OEM – Kit, Hydr. Motor 288759, lower 288467			
24B934	GH 300 OEM – Kit, Hydr. Motor 288760, lower 288468			
24M055	GH 200 DI dutymax	15m 3/8" hose + 0.9m 1/4" Texture gun 289605	Airless	3A2248
24M057	GH 300 DI dutymax	15m 1/2" hose + 3.5m 3/8" HD inline gun 245820	Airless	

accessories:

248943	Motor quick replacement, GH200, LL 200HS, (Honda GX160, 5.5HP, 4,1KW)	310778
248944	Motor quick replacement, GH230,, (Honda GX200, 6,5HP, 4,8KW)	
248945	Motor quick replacement, GH300,, (Honda GX270, 9HP, 6,6KW)	
287843	GH 833 Drum immersion – conversion kit 200 liter	311493
287987	Texture Hopper for G-max 5900, G-max 7900, and Ultra max 1595	311534
243392	Extension kit G-max 5900 and Ultra 1595 for direct connect to texture hopper	309012
243380	Cam lock-hose set for connecting G-max 7900 to texture hopper, 2" (50,8 mm x 0,9 m)	309012
24M668	Electric conversion kit (to convert a GH 200 duty max to EH 200 duty max)	3A2248
24M669	Electric conversion kit (to convert a GH 300 duty max to EH 300 duty max)	

LINE STRIPING UNITS

Fieldlazer



248777

LineLazer 3400



249007

LineLazer IV 130HS



257780

LineDriver



262004
262005

LineLazer 250 SPS



24K961 (1 gun)
24K962 (2 guns)

LineLazer IV 3900- 5900



249008
249009
249010
249011

Auto layout™



255155
255156

Thermo Lazer / Thermolazer Promelt



24H622



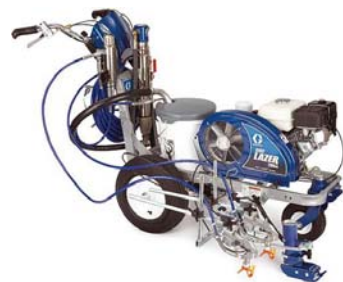
24H624

LineLazer IV 200HS



249012
249013

Auto layout™



255155
255156

GrindLazer



270 / 390



480

LINE STRIPING UNITS

LineLazer – Field Lazer

249007	LineLazer 3400 3.5HP@3600rpm / 2.36 l/min	15m 1/4" hose, gun RAC5 tip 415 , pressure gauge lower 246428 (309250)	311016 311019R
249008	LineLazer IV 3900, 3.5HP@3600rpm / 4.4l/min, Display	15m 3/8" hose, gun, RAC 5 tip LL5-319 tip 262517 lower 277069 (310643)	311017 311020R
249009	LineLazer IV 3900	similar 249008, but with 2 guns	
255151	LineLazer IV 3900, AutoLayout KA only	similar 249008, but with AutoLayout	312190
255152	LineLazer IV 3900, AutoLayout KA only	similar 255151, but with 2 guns	312195R
249010	LineLazer IV 5900, 4.8HP@3600rpm / 5.7l/min, Display	15m 3/8" hose, gun, RAC 5 tip LL5-319 tip 262517 lower 277070 (310643)	311017 311020R
249011	LineLazer IV 5900, Display	similar 249010, but with 2 guns	
255153	LineLazer IV 5900, AutoLayout KA only	similar 249010, but with AutoLayout	312190
255154	LineLazer IV 5900, AutoLayout KA only	similar 255153, but with 2 guns	312195R
257780	LineLazer IV 130 HS, 5.9l/min	15m 3/8" hose, gun, RAC 5 tip LL5-319 tip 262517	313775 313776R
249012	LineLazer IV 200 HS 4.8HP@3600rpm / 7.6l/min (GH200)	15m 3/8" hose, gun, RAC 5 tip LL5-319 tip 262517 lower 277068 (309277)	311018 311021R
249013	LineLazer IV 200 HS	similar 249012, but with 2 guns	311021
255155	LineLazer IV 200 HS AutoLayout KA only	similar 249012, but with AutoLayout	
255156	LineLazer IV 200 HS AutoLayout KA only	similar 255155, but with 2 guns	312194 312226R
24K961 24K962	LineLazer 250 SPS , 1 gun Same like 24K691 but with 2 guns	Same pump like 200HS	3A2090
24H622 24H624	Thermo Lazer Thermo Lazer ProMelt	Pavement Marking System	3A1319 3A1321 3A1320R
248777	FieldLazer, Gasoline 1.3HP@7000rpm / 1.9 l/min	7,5m, 3/16" hose, gun RAC5 tip 421 lower 246426 (309053)	310810
248942	FieldLazer Euroversion (same like 248777, but with pressure gauge)	Pressure gauge kit 287580	310810 + 311007

LineDriver

262004	LineDriver 160cm ³ , 5,5HP, without battery, contain hitch kit 245321	312540
262005	LineDriver 200cm ³ , 6,5HP, without battery, contain hitch kit 245321	

GrindLazer

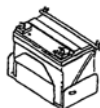
571002	GrindLazer 270, 9HP Honda, bare	3A0101 3A0122R EC-199331
571018	GrindLazer 270, 9HP Honda, 8 in Cut, 8 Point Flail Complete, 114 Cutters, 186 Spacers	
571021	GrindLazer 270, 9HP Honda, 8 in Cut, 6 Point Miller Complete, 36 Cutters, 168 Spacers	
571003	GrindLazer 390, 13HP Honda, bare	
571013	GrindLazer 390, 13HP Honda, 10 in Cut, 8 Point Flail Complete, 138 Cutters, 150 Spacers	
571022	GrindLazer 390, 13HP Honda, 10 in Cut, 6 Point Miller Complete, 42 Cutters, 132 Spacers	
571004	GrindLazer 480, 16HP Briggs bare	
571008	GrindLazer 480, 16HP Briggs , 10 in Cut, 8 Point Flail Complete, 138 Cutters, 150 Spacers	
571023	GrindLazer 480, 16HP Briggs, 10 in Cut, 6 Point Miller Complete, 42 Cutters, 132 Spacers	
571010	GrindLazer 480, 16HP Briggs, 10 in Cut, 5 Point Diamond Complete, 38 Blades, 61 Spacers	
571011	GrindLazer 480, 16HP Briggs , 5 in Cut, 5 Point Diamond Complete, 19 Blades, 21 Spacers	

LINE STRIPING (accessories)

60 L Hopper
248 393

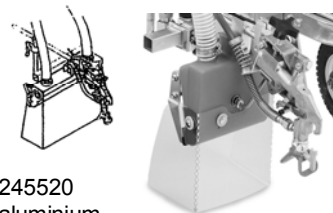


12 Volt Battery kit



245343

Wind-Deflector



245520
aluminium

245519
plastic

24 gal Hopper
278452



Light Kit LLIV



277061 / 24M598

Pointer guide



277062



24N162

Turf wheel

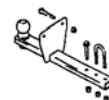


249082
249083

EZ Bead system



Hitch Kit LineDriver



245321

30 cm dispenser



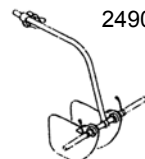
245516

Striping Ramp



287626

Spray Shield kid LL



249081

LINE STRIPING (accessories)

accessories:

277062	Pointer guide 610mm length			311067
24N162	Pointer guide adjustable for LL 250 SPS			
248393	Hopper 60 l for LineLazer II, III & IV 3900 und 5900 (for LL 3500 u. 5000 Mod. 248 394)			310660
241284	Kit second gun for LineLazer II 3900/5900			308939
287553	Kit second gun for LineLazer III, IV 3900/5900/200HS			311066
24M679	Kit second gun for LineLazer 250 SPS			3A2976
287626	Stripping ramp, 50cm with 2x 286 725 RAC V reversing tip			311289
245340	Replacement wheel for LineDriver	245343	12 Volt battery / Line Driver	309406
249082	Turf wheel LL3900/5900 /200HS/250 SPS	277061 / 24M598	Light kit for LL-IV / 250sps	311025
113479	Front wheel for LL 250 SPS	249081	Adjustable spray shield	311008
+240565	Hose retaining band pack of 10	16P015	Safety cone carrier	
247544	Bottle holder, Line Driver			
+241339	Gauge combination Max units 3/8"			308962
+240296	Hose retaining band - pack of 4			

+not shown

Bead dispensers & accessories

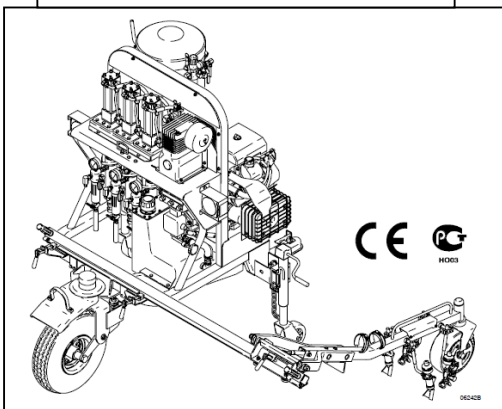
6" EZ Bead system				
277065	Bead dispenser with one dispenser (152mm) for LineLazer IV (tank 26 liters)			311068
277064	Similar 277065 but with two dispensers			
24M641	Bead dispenser with two dispenser (152mm) for LineLazer 250 SPS (tank 26 liters)			
24M838	Similar 24M641 but with two dispensers			
277067	Replacement kit includes one 6" dispenser, one hose and one wind deflector			

12" EZ Bead system				
24N265	Bead dispenser with one dispenser (305 mm) for LineLazer IV, 3500, 5000 (tank 26 liters)			311068
24N267	Bead dispenser with one dispenser (305 mm) for LineLazer 250 SPS (tank 26 liters)			
245516	Replacement kit includes one 12" dispenser, one hose and one wind deflector			

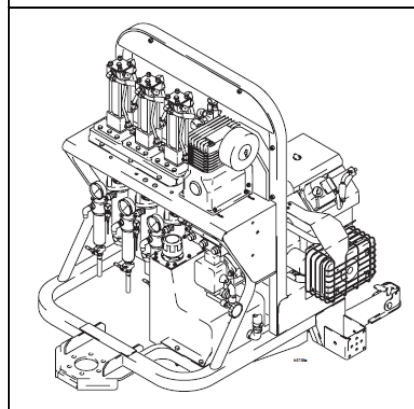
277066	Wind deflector for 6" aluminium dispenser (6 deflectors / kits)			311069
245520	Wind deflector for 12" aluminium dispenser (3 deflectors / kits)			
245519	Wind deflector for 6" plastic dispenser (6 deflectors / kits)			

LINE STRIPING UNITS

RoadLazer® Line Striper System

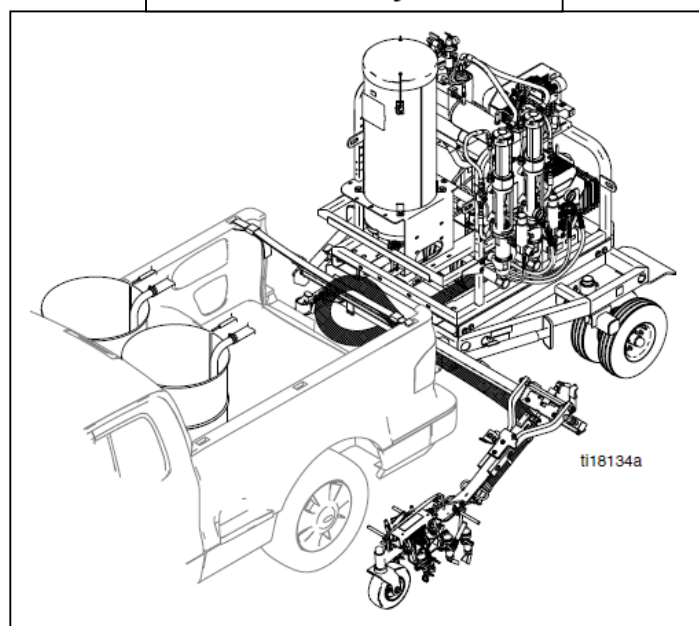
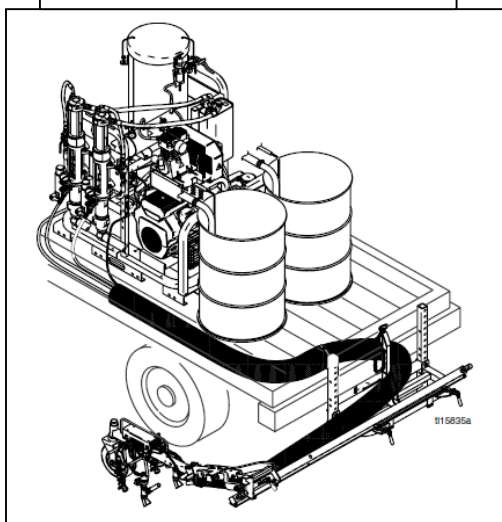


RoadLazer® Skid-Mount OEM



**RoadLazer™ RoadPak™
Tow-Behind System**

RoadLazer™ RoadPak™



LINE STRIPING UNITS

Part No	Description	manual
Road Lazer system / 138 bar		191725
231571	1 hydraulic pump, 1 color	308611
231572	2 hydraulic pumps, 1 color	308611
231378	3 hydraulic pumps, 2 colors	308611

All units contains hitch receiver kit 238944, stencil gun kit 238958, spray gun 238332, bead gun 238329, 2 RAC V tips (262433 / 262439)

Accessories		
244275	3 rd gun Kit : 1 paint gun , 1 bead gun, 2 valves , paint/bead hose	308678
238957	Hand gun bead accessory: 1 deflector, 1 tube, 1 ball valve, hose , tank fitting	308679
238963	Remote digital speed indicator : 1 LCD display, 1 output cable	308680
238683	Video guidance system : 1 camera, 1 monitor, hardware	308617
238958	2 nd stencil gun kit : 1 flex gun, 1x15 m hose, 1 clamp assembly	308681
238954	Gallons totalizer kit: 1 sensor bracket (requires 1 per pump)	308682
239029	Spare tire kit: Tire & wheel assembly	308611
240499	Y-strainer kit: In line paint strainer (Max WPR: 5 bar)	308835
238944	Hitch receiver kit	308670
239041	Pump kit: To upgrade from 1 to 2 pumps, or from 2 to 3	308699
238329	Bead gun	308612
238332	Spray gun	308612

Part No	Description	manual
Road Lazer skid mount OEM		
234672	3 pumps system	310664

Part No	Description	manual
Road Lazer RoadPak system / 200 bar		
Assemblies		
24G677	System Roadpak option 1, composed of equipments: 1;3;5;7;8;10	3A1697
24G679	System Roadpak option 2, composed of equipments : 1;3;5;7;8;9;10	3A1697
24G681	System Roadpak option 3, composed of equipments: 1;4;5;7;8;10	3A1697
24G683	System Roadpak option 4, composed of equipments: 1;4;5;7;8;9;10	3A1697
24G685	System Roadpak option 5, composed of equipments: 2;3;6;7;8;10	3A1697
24G687	System Roadpak option 6, composed of equipments: 2;3;6;7;8;9;10	3A1697
24G689	System Roadpak option 7, composed of equipments: 2;4;6;7;8;10	3A1697
24G691	System Roadpak option 8, composed of equipments: 2;4;6;7;8;9;10	3A1697
Equipment		
24G624 (1)	1 pump Roadpak	3A1697
24G625 (2)	2 pumps Roadpak	3A1697
24G626 (3)	Single hitch mounting frame	3A1697
24G627 (4)	Roadpak slide in mounting frame	3A1697
24G628 (5)	1 pump Roadpak gun arm	3A1697
24G629 (6)	2 pumps Roadpak gun arm	3A1697
24G630 (7)	Gun arm beam	3A1697
24G632 (8)	Roadpak control	3A1215
24G633 (9)	Road view camera system	3A1216
24G634 (10)	Roadpak pointer system	3A1697

Part No	Description	manual
Road Lazer RoadPak tow-behind system / 200 bar		
24M143	System Tow behind roadpak 1 pump composed of equipments: 1;3;5;6;8;9;10;11;12	3A2091
24M144	System Tow behind roadpak 2 pumps composed of equipments: 2;4;5;6;8; 9(x2);10;11;12	3A2091
24M200	Tow behind trailer conversion kit composed of: 9(x2) ;10;11;12	3A2091
Equipment		
24G628 (3)	1 pump Roadpak gun arm	3A1697
24G629 (4)	2 pumps Roadpak gun arm	3A1697
24G630 (5)	Gun arm beam	3A1697
24G632 (6)	Roadpak control	3A1215
24G633 (7)	Road view camera system	3A1216
24G634 (8)	Roadpak pointer system	3A1697
24M255 (9)	Siphon & drainhose extension kit (waterborne)	3A2091
16M239 (10)	Roadpak trailer (mounting parts not included)	3A2091
239692 (11)	Hitch receiver kit (class 4; 2")	308670
24M138 (12)	Trailer mounting parts	3A0291

AQUAMAX PRESSURE WASHER



2525



2730



3540

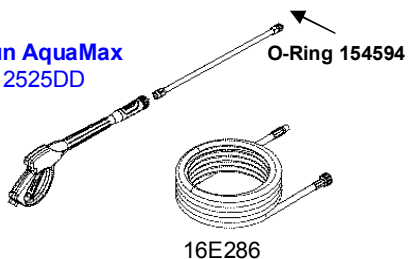


4043



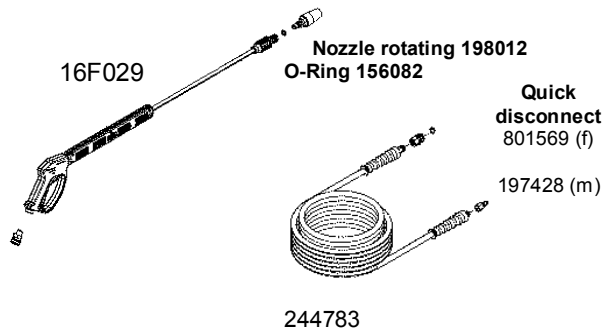
3540 GHW

Gun AquaMax
2525DD

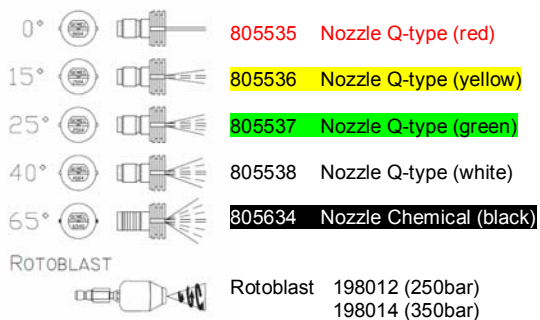


16E286

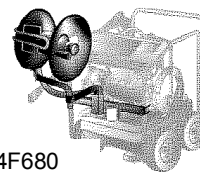
Gun AquaMax
2730/3030/3540/4043



244783



Hose Reels



24F680
24F681

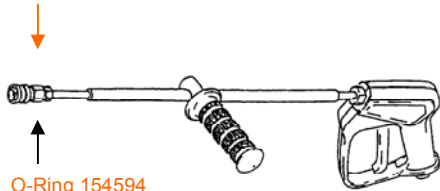
AQUAMAX PRESSURE WASHER

Part No	Description	manual
262316	Aquamax 2525DD , 160cc Honda 172,4 bar, max 8,7 l/min , max temp. 52°, Pump 24E735, gun 117755, lance 118124, hose 16E286,	3A0679 199350
262318	Aquamax 2730DD , 200cc Honda 186,2 bar, max 9 l/min , max temp. 63°, Pump 244749, gun 16F029, hose 244783,	
262320	Aquamax 3030DD , 270cc Honda 206,8 bar, max 11,4 l/min , max temp. 63°, Pump 24E753, gun 16F029, hose 244783,	
262322	Aquamax 3540DD , 390cc Honda 241,3 bar, max 15,1 l/min , max temp. 63°, Pump 24E750, gun 16F029, hose 244783,	
262326	Aquamax 4043BD , 480cc Vanguard 276 bar, max 16,3 l/min , max temp. 63°, Pump 803508, gun 16F029, hose 244783,	
262314	Aquamax 3540 GHW , , 390cc Honda 241,3 bar, max 12.5 l/min , max temp. 121°, Pump 16E609, gun 16E559, hose 16E556	3A0592 199353
24F680	Hose Reels for AquaMax "cold water" with quick disconnects	
24F681	Hose Reels for AquaMax "hot water" without quick disconnects	
117755	Pressure Washer Gun, inlet 3/8 "-18NPTF, outlet M22x1,5, max. 220bar	
118124	Lance for gun 117755, inlet M22x1,5, outlet 3/8" female quick connect coupling	
16F029	Pressure Washer Gun	
16E286	Hose Pressure Washer 2525DD, 7.6m x 3/8" max. 206 bar, inlet M22 f x1,5 outlet 3/8" NPT	
244783	Hose Pressure Washer (except. 2525D) incl.197428 & 801569	
197428	Quick disconnect 3/8" (m)	801569 Quick disconnect 3/8" (f)
24F214	Suction kit 1/4" npt	24F215 Suction kit 3/8" npt 3A0913

Pump Assembly - Parts Rep Kit	24E735 (2525DD)	244749 (2730DD)	24E753 (3030DD)	24E750 (3540DD)	803508 (4043BD)
Kit Rep. Valve (6 pieces)	24E736	804402	804402	804402	801472
Kit Rep. oil Seal (3 pieces)	24E738	804033	24E744	24E744	801473
Kit Plunger (3 pieces)	- - -	- - -	24E745	24E745	803502
Kit Rep. Packings (3 pieces)	24E740	804037	24E746	24E746	803511 & 803512
Kit Rep. Plunger (3 pieces)	24E737	804011	24E747	24E747	803510
Kit Repair chemical Injector	24E741	24E748	24E748	24E748	- - -
Kit Rep. Unloader (1 pieces)	24E739	244803	244804	244806	- - -
Therm. relief valve (1 pieces)	117759	- - -	- - -	- - -	- - -
Inlet Filter	801112	- - -	- - -	- - -	- - -

PRESSURE WASHER ACCESSORIES

Coupling quick
release 1/4"
801009



800429

O-Ring 154594

244784

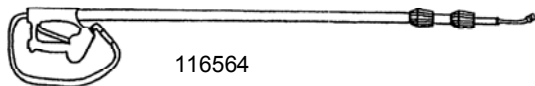
Coupling quick
release 3/8"
801569

O-Ring 156082

1/4" NPT(I)
Schnellkupplung

244779

3/8" NPT(I)
Schnellkupplung



116564



804 589



803 350
803 351



208008

Spray tip type "Q"



805543, 805547
805544, 805548
805545, 805549
805546, 805550
805634, 805566

Spray tip type "M"



805 312
805 316



805 313
805 321

Hydra clean tip



160959
160970
160958
160921
165090

Gardena



15B910

Rotating tip

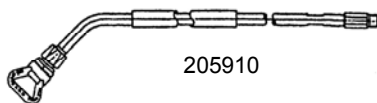


198012
198014

Oscillating tip



198013



205910



207299

Gauge



804 582

Nipple



801090
197428
801568



801091



15T272

Quick disconnect



801009
803156
801569
803157



249101

Surface Cleaner



116562

Handle

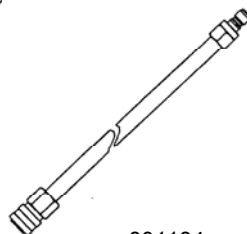


802851

Washer extension



801558
803499



801134
803500

Sandblast-Kit



800031



244766

PRESSURE ACCESSORIES

803350	Hydra-Clean Gun,	280 bar, brass,	inlet 3/8", outlet 1/4"		308511
244784	Hydra-Clean Gun,	345 bar with Lance 91 cm,	inlet 3/8", outlet 1/4", quick disconnect		
244779	Hydra-Clean Gun,	345 bar with Lance 45 cm,	inlet 3/8", outlet 1/4", quick disconnect		
800429	Hydra-Clean Gun (804 589),	280 bar with lance 81 cm and handle			
803351	Hydra-Clean Gun, SST,	280 bar,	inlet 3/8", outlet 1/4" all guns Max 71°C		308511
208008	Hydra-Clean Gun, SST,	86 bar, swivel,	inlet 3/8", outlet 1/4"		307010
116564	Telescoping Gun 5,5 m, 276 bar, outlet 1/4" quick disconnect fitting for Q-nozzle				
246377	Oil for all G-Force pumps SAE 30W 0,95 litre (not for 118122) (G-Force 2525LD und 2626LD)				
116562	Surface cleaner, horizontal 280 bar				309918
244766	Wet sandblasting kit, please order valve 800 031 and nozzle separately				308544
198012	Rotating pressure washer tip, 250bar				
198014	Rotating pressure washer tip, 350bar				
198013	Oscillating pressure washer tip, 250 bar				
804582	Pressure gauge, 0-5000psi (0-345bar) connecting rear 1/4" NPT(A), Scale PSI, Kpa				
15B910	Fitting, Pump inlet with Gardena-thread				
Spray tip type "Q"	805539	00035* (0° red),	805540	15035* (15° yellow)	1,11 mm
	805541	25035* (25° green)	805542	40035* (40° white)	
Manual : 308514	805543	0004 (0° red),	805544	1504 (15° yellow)	1,19 mm
	805545	2504 (25° green)	805546	4004 (40° white)	
	805547	00045 (0° red),	805548	15045 (15° yellow)	
	805549	25045 (25° green)	805550	40045 (40° white)	1,27 mm
	805566	40065 (40° white)			
244 769	Box with Spray tip type Q, incl. 805539, 805540, 805541, 805542				
800 708	Spray tip type Q, incl. 805543, 805544, 805545, 805546				
Spray tip type "M"	805312	tip type "M", 0°	805 313	tip type "M", 25°	1,19mm
	805315	tip type "M", 15°	805 314	tip type "M", 40°	
Manual: 308514	805316	tip type "M", 0°	805 317	tip type "M", 15°	1,27 mm
	805318	tip type "M", 25°	805 319	tip type "M", 40°	
	805320	tip type "M", 0°			
805634	Spray nozzle for chemical injector (black)				
805312	Spray tip type "M" 0004, 1/4 NPT(m), (use in sand jet set) 1,19 mm, round pattern				308514
805316	Spray tip type "M" 0045, 1/4 NPT(m), (use in sand jet set) 1,27 mm, round pattern				
805321	Spray tip type "M" 1505, 1/4 NPT(m) 1,35 mm, 15°				
802851	Hand grip fit to Hydra-Clean lance				
118125	High pressure hose 9,1m, 7,9mm Ø inside , 241bar, 1 x M22x1,5 (I) + 3/8" nipple for G-Force 2525				
244783	High pressure hose 15m, 3/8", 280bar, blue synthetic rubber with red ends, quick disconnect coupling and a male fitting				
801090	Male fitting, CS, galvanized, 1/4" NPT(f) (screw-in nozzle support type "M")				
197428	Male fitting, CS, galvanized 3/8" NPT(f)				
801568	Male fitting, SST, 3/8" NPT(f)				
15T272	Male fitting, SST, 3/8" NPT (m) -3/8" QD				
801091	Male fitting, CS, 1/4" NPT(m)				
801009	Quick disconnect coupling, brass/SST, 1/4" NPT(f), (Buna-N, O-Ring 154594)				
803156	Quick disconnect coupling, SST, 1/4" NPT(f), (Buna N, O-Ring 154594)				
801569	Quick disconnect coupling, brass/SST, 3/8" NPT(f), (Buna-N, O-Ring 156082)				
803157	Quick disconnect coupling, SST, 3/8" NPT(f), (Buna-N, O-Ring 156082)				
249101	Quick disconnect, 3/8" to M22x1,5 to connect two hoses 118125 (9,1m) G-Force 2525 & 2626				
801134†	Lance, CS 80 cm, 1/4"	803499	Lanze, aluminium 150 cm, 1/4"		
801558	Lance, SST 80 cm, 1/4"	803500†	Lanze, aluminium 240 cm, 1/4"		
† = incl. Quick Disconnect and male fitting					
207 299	Lance, brass alloy 25 cm 1/4", straight with tip 103 921 for HC gun 208 008				307010
205 910	Lance, brass alloy 120 cm 1/4", curved with tip 103 921 for HC gun 208 008				
Hydra-Clean nozzle type				160959	4001, 40°, Ø 0,66 mm
160970	15015, 15°, Ø 0,79 mm	160958	4002, 40°, Ø 0,91 mm	160964	2503, 25°, Ø 1,09 mm
160963	2506, 25°, Ø 1,57 mm	103921	4006, 40°, Ø 1,57 mm	165090	4010, 40°, Ø 1,98 mm

COMPRESSORS

262360 MODEL 1310G

Motor 200cm³

Air tank capacity : 30.3 liters

CFM @ 100PSI : 13.1



262361 MODEL 1720G

Motor 270cm³

Air tank capacity : 30.3 liters

CFM @ 100PSI : 18.3



Husky Diaphragm Pumps

Overview Diaphragm Pump „Husky“:

Plastic:

Husky type	Inlet /Outlet size	Thread	Volume / Cycles	Recommend flowrate (n*cycles)
205	1/4 in.	BSPT / NPT	46 ml	(25) 69 Liter/hour
307	3/8 in.	BSPT / NPT	79 ml	(25) 119 Liter/hour
515	1/2 in. / 3/4 in	Flange	150 ml	(25) 225 Liter/hour
1050	1 in.	Flange	640 ml	(40) 1536 Liter/hour
1590	1½ in.	Flange	1,96 liter	(25) 2940 Liter/hour
2150	2 in.	Flange	3,9 liter	(25) 5850 Liter/hour
3300	3 in.	Flange	11 liter 7,6* liter	(20) 13200 Liter/hour (20) 9120 Liter/hour

*Overmolded diaphragm 7,6 liter

Metal:

Husky type	Inlet /Outlet size	Thread	Volume / Cycles	Recommend flowrate Liter/hour
716	3/4 in.	BSPT / NPT	150 ml	(25) 225 Liter/hour
1050	1 in.	BSPT / NPT	640 liter	(40) 1536 Liter/hour
1590	1½ in.	BSPT / NPT	1,96 liter	(25) 2940 Liter/hour
2150	2 in.	BSPT / NPT	3,9 liter	(25) 5850 Liter/hour
3300	3 in.	BSPT / NPT	11 liter 7,6* liter	(20) 13200 Liter/hour (20) 9120 Liter/hour

*Overmolded diaphragm 7,6 liter

Ball colour:



Seat colour:



Diaphragm colour:



Husky Diaphragm Pumps

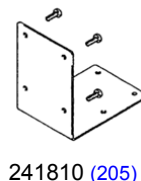
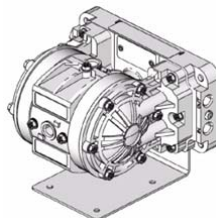
Materials	Usage Good	Usage Poor
PTFE	Chemically inert, virtually impervious. Not recommended are cast alkaline metals, chlorine trifluoride and gaseous fluorine at high temperatures	
Acetal	Wide range of solvent resistance Withstands extreme fatigue, Good level of abrasion resistance, Groundable for use with flammables Not for use with acids or bases	
Aluminium	Medium corrosion and abrasion resistance Not for use with halogenated hydrocarbons	
Stainless Steel	High level of corrosion and abrasion resistance Passivated for use with waterbase coatings	
Neoprene	All purpose. Resistant to vegetable oil. Generally not affected by moderate chemicals, fats greases and many oils and solvents. Generally attacked by strong oxidising acids, ketones, esters, nitro hydro carbons and chlorinated aromatic hydrocarbons.	
Buna-n	General purpose, oil resistant. Shows good solvent, oil, water and hydraulic fluid resistance. Should not be used with highly polar solvents like acetone and MEK, ozone, chlorinated hydrocarbons and nitro hydrocarbons.	
Geolast	Shows good resistance to a wide range of oils and solvents. especially all aliphatic, aromatic and halogenated hydrocarbons, acids, animal and vegetable oils. Same chemical compatibility as Buna-N and TPE	
Polypropylene	High strength, light weight, corrosion resistant polyolefin which easily withstands most chemicals, with no known solvent at room temperature.	
Viton (TFE)	Shows good resistance to a wide range of oils and solvents. Especially all aliphatic, aromatic and halogenated hydrocarbons, acids, animal and vegetable oils.	
PVDF (Kynar®)	Features an exceptional resistance to acids, saline solutions, aliphatic, aromatic and chlorinated hydrocarbons, alcohols and halogens. Not suitable for organic bases, alkaline solutions, ketones, esters and ethers.	
Santoprene	Injection moulded thermoplastic elastomer with no fabric layer. Long mechanical flex life. Excellent abrasion resistance.	
EPDM Ethylene-propylene rubber	Shows very good water and chemical resistance. Resistance to acids, bases, alcohols ketones Not recommended for hydrocarbons, oils and greases	

Husky 205

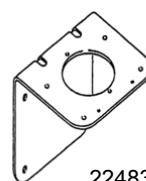
Manual: 308652
EC-Declaration 192107

D010 — **Rep Kit (fluid)**
238853 **Air Valve Service Kit**

Air inlet: 1/4" npt (f)
Fluid inlet & outlet: 1/4" (NPT & BSPT)
Max. 82°C / Max. solids 1,5mm
Volume **46cm³ per cycle**
1,15 litre / 25 cycles (max. recommend)
Max. air consumption 252dm³/min
Max. viscosity: **500 centipoise**



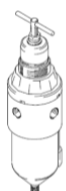
241810 (205)



224835
(205 + 307)

+ Husky 205 only mounted like drawing, use 90° bracket !!

Husky 205 (NPT & BSPT both in one)		1/4“ inlet & outlet		Repair kit fluid side: D010xx Repair kit air valve: 238853			
Part No.	Description	Seat	Check Valve		Diaphragm		
D11021	Husky 205 (Acetal)	0 (no individual seat)	AC-valve	2	PTFE (191402)	1	
D12091	Husky 205 (Polyp.)		Polyp-valve	9	PTFE (191402)	1	
D150A1	Husky 205 (PVDF)		PVDF-valve	A	PTFE (191402)	1	
D11026	Husky 205 (Acetal)		AC-valve	2	Santoprene (196385)	6	
D12096	Husky 205 (Polyp.)		Polyp-valve	9	Santoprene (196385)	6	
D150A6	Husky 205 (PVDF)		PVDF-valve	A	Santoprene (196385)	6	
D21021	Husky 205 (Acetal) remote	0 (no individual seat)	AC-valve	2	PTFE (191402)	1	
D22091	Husky 205 (Polyp.) remote		Polyp-valve	9	PTFE (191402)	1	
D250A1	Husky 205 (PVDF) remote		PVDF-valve	A	PTFE (191402)	1	
D21026	Husky 205 (Acetal) remote		AC-valve	2	Santoprene (196385)	6	
D22096	Husky 205 (Polyp.) remote		Polyp-valve	9	Santoprene (196385)	6	
D250A6	Husky 205 (PVDF) remote		PVDF-valve	A	Santoprene (196385)	6	

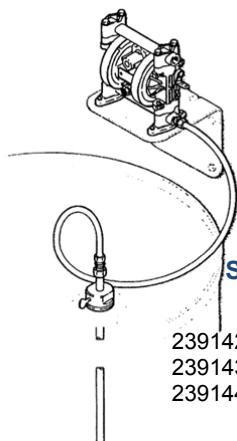


246946
1/4 in max 21 bar

Option:
(gauge C36260)

Accessories for Husky 205

246946	Regulator / Filter Assembly 1/4" npt(f) (6.35 mm)	Manual 308169
208536†	Quick Connect Air Coupler 1/4" npt (6.35 mm)	
169970†	Quick Connect Air Nipple 1/4" npt (6.35 mm) mbe	
110223†	Air Shut Off Valve 1/4" npt (6.35 mm), bleed type,	
224040†	Air Runaway Valve (stops pump from cavitating when empty)	Manual 308201
114174†	Air Muffler (comes with pump)	
224835	Wall bracket	
241810	Bracket incl. 4 screws to fix the pump (is always delivered with the Husky 205)	



Siphon kits
208 liter

239142 (Husky 205)
239143 (Husky 205)
239144 (Husky 205)

Siphon kits

239142	Suction kit 200 L Polypropylene 1,8 m (¾") with bunghole adapter (188182)
239143	Suction kit 200 L Acetal 1,8 m (¾") with bunghole adapter (188181)
239144	Suction kit 200 L PVDF 1,8 m (¾") with bunghole adapter (191054)

† not shown

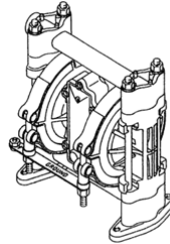
Husky 307

Manual: 308553
EC-Declaration 190388

Husky 307 pumps are not equipped to run in remote mode

D03 _ _ _ Rep Kit (fluid)
239952 Air Valve Service Kit

Air inlet: 1/4" npt (f)
Fluid inlet & outlet 3/8"
Max. 65,5°C / Max. solids 1,6mm
79cm³ (76cm³ PTFE) per cycle
1,58 litre / 25 cycles (max. recommend)
Max. air consumption: 252dm³/min
Max. viscosity: 500 centipoise

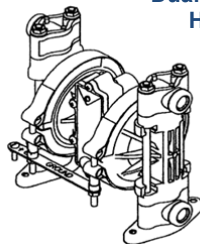


246946
1/4 in max 21 bar

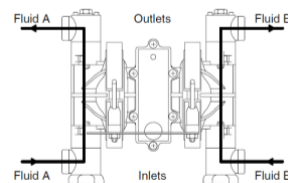
Option:
(gauge C36260)
Manual 308169

Husky 307				3/8" inlet & outlet			
Part No. BSPT	Part-No. NPT	Description	Seat	Ball Ø 15,875 mm		Diaphragm	
D3A211	D31211	Husky 307 (Acetal)	Acetal	2	PTFE (111626)	1	PTFE (187716)
D3A266	D31266	Husky 307 (Acetal)	Acetal	2	Santoprene (113221)	6	Santoprene (190754)
D3A255	D31255	Husky 307 (Acetal)	Acetal	2	Hytrel TPE (111627)	5	Hytrel (187715)
D3A277	D31277	Husky 307 (Acetal)	Acetal	2	Buna-N (112884)	7	Buna-N (190209)
D3A311	D31311	Husky 307 (Acetal)	SST 1.4401	3	PTFE (111626)	1	PTFE (187716)
D3A331	D31331	Husky 307 (Acetal)	SST 1.4401	3	316SST (112926)	3	PTFE (187716)
D3A336	D31336	Husky 307 (Acetal)	SST 1.4401	3	316SST (112926)	3	Santoprene (190754)
D3B255	D32255	Husky 307 (Polyp.)	Acetal	2	Hytrel TPE (111627)	5	Hytrel (187715)
D3B311	D32311	Husky 307 (Polyp.)	SST 1.4401	3	PTFE (111626)	1	PTFE (187716)
D3B331	D32331	Husky 307 (Polyp.)	SST 1.4401	3	316SST (112926)	3	PTFE (187716)
D3B366	D32366	Husky 307 (Polyp.)	SST 1.4401	3	Santoprene (113221)	6	Santoprene (190754)
D3B911	D32911	Husky 307 (Polyp.)	Polypropylen	9	PTFE (111626)	1	PTFE (187716)
D3B955	D32955	Husky 307 (Polyp.)	Polypropylen	9	Hytrel TPE (111627)	5	Hytrel (187715)
D3B966	D32966	Husky 307 (Polyp.)	Polypropylen	9	Santoprene (113221)	6	Santoprene (190754)
D3B977	D32977	Husky 307 (Polyp.)	Polypropylen	9	Buna-N (112884)	7	Buna-N (190209)

Dual Inlet - Outlet
Husky 307



248167
248168
248169
248170



Part No.	Special Husky 307 with dual inlet & outlet	Manual
248167	Husky 307 Acetal (D31277) Acetal / Buna-N / Buna-N	308553 308439
248168	Husky 307 Acetal (D31255) Acetal / Hytrel / Hytrel	
248169	Husky 307 Polyp. (D32255) Polypropylen / Hytrel / Hytrel	
248170	Husky 307 Polyp. (D32977) Polypropylen / Buna-N / Buna-N	

Husky 307

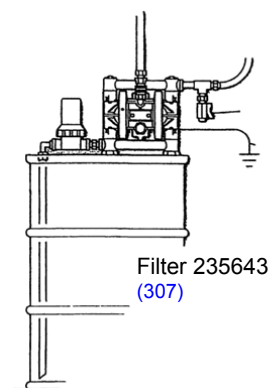
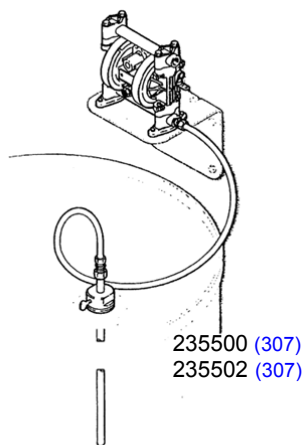
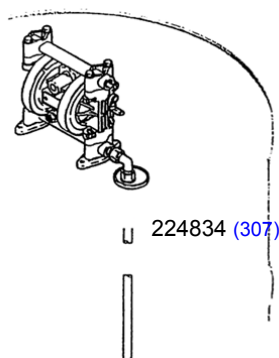
Accessories

237210	Dual inlet - outlet Husky 307 Polypropylene (kit for inlet and outlet)	308439
237211	Dual inlet - outlet Husky 307 Acetal (kit for inlet and outlet)	
224835	Bracket for Husky 205 /307 incl. 4 screws to fix the pump	
113497†	Relief valve, inlet 3/8" NPT(m), outlet 3/8" NPT(f), pressure to open 10,3 – 12,4 bar	
246946†	Regulator / Filter Assembly 1/4" npt(f) (6.35 mm)	
208536†	Quick Connect Air Coupler 1/4" npt (6.35 mm)	
169970†	Quick Connect Air Nipple 1/4" npt (6.35 mm) mbe	
110223†	Air Shut Off Valve 1/4" npt (6.35 mm), bleed type, relieves trapped air downline of valve	
224040†	Air Runaway Valve (stop pump from cavitating when empty)	
112933†	Air Muffler (comes with pump)	

† not shown

Siphon kits

235500	Suction kit 200 L – Acetal 1,8 m (3/8") for Husky 307 with bunghole adapter (188181)	
235502	Suction kit 200 L – Polypropylene 1,8 m (3/8") for Husky 307 with bunghole adapter (188182)	
224834	Suction kit 200 L – Acetal 0,9 m (3/8") for Husky 307 with bunghole adapter (188118)	
235643	Inlet filter kit, PA (Nylon) 3/8" (no suction kit) Filter screen 111884 , Gasket 111885 Viton (option 112035 EPDM), Fitting 111917 (Nylon) 3/8-18NPT (male/male)	406127

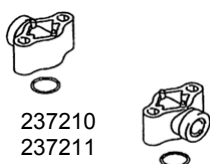


Finex™ Spray Package with Husky 307

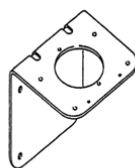
289353 †	Husky D31331 with Finex air spray gun , regulator, stand, hoses	Manual 312473
289354 †	Husky D31331 with Finex HVLP gun , regulator, stand, hoses	
238899	Pressure relief kit	308403

† not shown

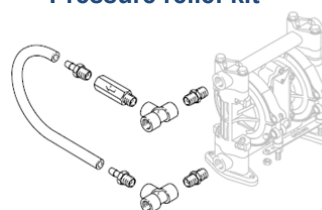
Dual in outlet



Wall bracket



Pressure relief kit



Husky 515

acetal / polypropylene / PVDF

Manual: 308981

EC-Declaration 195293 / 199162

Ball 3/4" (19,05mm)

D05 _ _ _ Rep Kit (fluid)

241657 Air Valve Service Kit

24N320 Overmolded PTFE/EPDM Diaphragm Repair Kit

24N321 24N320 & new air side diaphragm plates

Air inlet: 1/4" npt (f)

Fluid inlet & outlet: 1/2" or 3/4" NPT or BSPT

Max.: Acetal 82°C / PP 66°C / PVDF 107°C

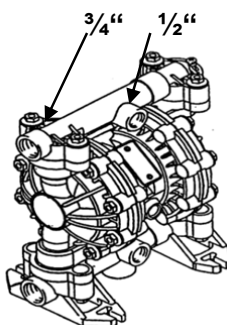
Max. solids 2,6mm

150cm³ per cycle

3,75 litre / 25 cycles (max recommend)

Max. air consumption: 672dm³/min

Max viscosity: 5000 centipoise



108639 PTFE
103462 SST 316
112945 TPE-(Hytrel)
112946 Santoprene
108944 Buna N
112959 Viton
111453 Ceramic Ball (option)



246946

1/4 in max 21 bar

Option:

(gauge C36260)

Manual: 308169

acetal / polypropylene / PVDF 1/2 or 3/4					Repair kit fluid side: D05xxx Repair kit air valve: 241657				
Part No.	Description		Seat	Ball Ø19,05mm	Diaphragm				
BSPT	NPT	BSPT							
D5A211	D51xxx	D4Axxx Remote	Acetal	Acetal	2	PTFE	1	PTFE	1
D5A255				Acetal	2	Hytrel	5	Hytrel	5
D5A266				Acetal	2	Santoprene	6	Santoprene	6
D5A275				Acetal	2	Buna-N	7	Hytrel	5
D5A277				Acetal	2	Buna-N	7	Buna-N	7
D5A311				SST 1.4401	3	PTFE	1	PTFE	1
D5A331				SST 1.4401	3	SST 1.4401	3	PTFE	1
D5A977				Polypropylene	9	Buna-N	7	Buna-N	7
D5A911				Polypropylene	9	PTFE	1	PTFE	1
D5AD05 *				Duck bill	D	Null	0	Hytrel	5
24N098	24N096	---		Acetal	2	PTFE	1	overmolded PTFE	
---	24N097	---		SST 1.4401	3	SST 1.4401	3	overmolded PTFE	
D5B211	D52xxx	D4Bxxx Remote	Polypropylene	Acetal	2	PTFE	1	PTFE	1
D5B277				Acetal	2	Buna-N	7	Buna-N	7
D5B311				SST	3	PTFE	1	PTFE	1
D5B331				SST	3	SST 1.4401	3	PTFE	1
D5B336				SST	3	SST 1.4401	3	Santoprene	6
D5B911				Polypropylene	9	PTFE	1	PTFE	1
D5B915				Polypropylene	9	PTFE	1	Hytrel	5
D5B916				Polypropylene	9	PTFE	1	Santoprene	6
D5B918				Polypropylene	9	PTFE	1	Viton	8
D5B955				Polypropylene	9	Hytrel	5	Hytrel	5
D5B961				Polypropylene	9	Santoprene	6	PTFE	1
D5B966				Polypropylene	9	Santoprene	6	Santoprene	6
D5B977				Polypropylene	9	Buna-N	7	Buna-N	7
D5B988				Polypropylene	9	Viton	8	Viton	8
D5B336				SST 1.4401	3	SST 1.4401	3	Santoprene	4
D5BD07*				Duck bill	D	Null	D	Buna-N	7
D5BD05*				Duck bill	D	Null	D	Hytrel	5
24G745	---	---		Polypropylene	9	Viton	8	PTFE	
24B094	24N093	---		Polypropylene	9	PTFE	1	overmolded PTFE	
24G745	---	---		Polypropylene	9	Viton	8	overmolded PTFE	
D5EA11	D55A11	D4EA11	PVDF	PVDF	A	PTFE	A	PTFE	1
D5EA88	D55A88	D4EA88		PVDF	A	Viton	A	Viton	8
---	24N095	---		PVDF	A	PTFE	1	overmolded PTFE	

* for pumps with duck bill valve, the fluid connections are reserved, inlet above, outlet below

Husky 515

special pumps

acetal / polypropylene / PVDF

Manual: 308981

EC-Declaration 195293 / 199162

Husky 515 with open Downward port

Manual 308981

3/4" NPT (F) suction connection underneath for drums and special applications, outlet central or side						
241564	Husky 515 (Acetal)	3/4" NPT(F) (D51211)	Ex	Acetal (2)	PTFE (1)	PTFE (1)
246484 ☺	Husky 515 (Acetal)	3/4" NPT(F) (D51331)	Ex	SST 1.4401 (3)	SST (3)	PTFE (1)
241565	Husky 515 (Polyp.)	3/4" NPT(F) (D52911)		Polypropylene (9)	PTFE (1)	PTFE (1)

☺ tested with lightweight oil, which is left in the fluid passages

Drum Pump Packages with open Downward port

3/4" NPT (F) suction connection underneath with drum pump kit	
233051	Incl. Husky 241564 (Acetal), suction Drum Kit 233045,
233052	Incl. Husky 241564 (Acetal), suction Drum Kit 233047,
233053	Incl. Husky 241564 (Acetal), suction Drum Kit 233046,

Drum Pump Kits

233045	Accessory kit for pump Model No. 241565 Material: PP
233046	Accessory kit for pump Model No.: 241564, 243305, 243306, 243307 Material: Aluminium,
233047	Accessory kit for pump Model No.: 241564 Material: SST

Manual 309116



Variable
from 66 to 130
mm



Suction set with
mounting plate for
pumps with inlet
below/central

Variable
from
800 to 864
mm

Dual inlet

Manual 308204

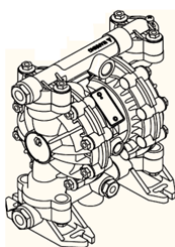
3/4" NPT (F)				
243669	Husky 515 (Acetal),	Ex	Acetal (2)	Buna-N (7) Buna-N (7)

Husky 515 with separate inlet and outlet

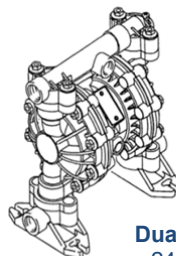
Manual 308981

3/4 "NPT (F)					
248171	Husky 515 Acetal (D51277)	Ex	Acetal (2)	Buna-N (7)	Buna-N (7)
248172	Husky 515 Acetal (D51255)	Ex	Acetal (2)	Hytrel (5)	Hytrel (5)
248173	Husky 515 Polypropylene (D51977)		Polypropylene (9)	Buna-N (7)	Buna-N (7)
248174	Husky 515 Polypropylene (D51955)		Polypropylene (9)	Hytrel (5)	Hytrel (5)

open downward port

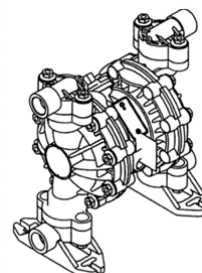


241564
246484
241565



Dual inlet
243669

Dual inlet - and outlet

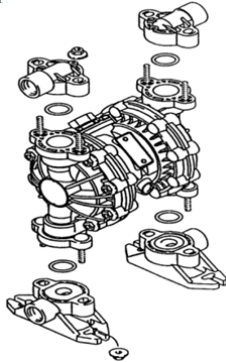


248171
248172
248173
248174

Husky 515

accessories

Dual inlet - and outlet



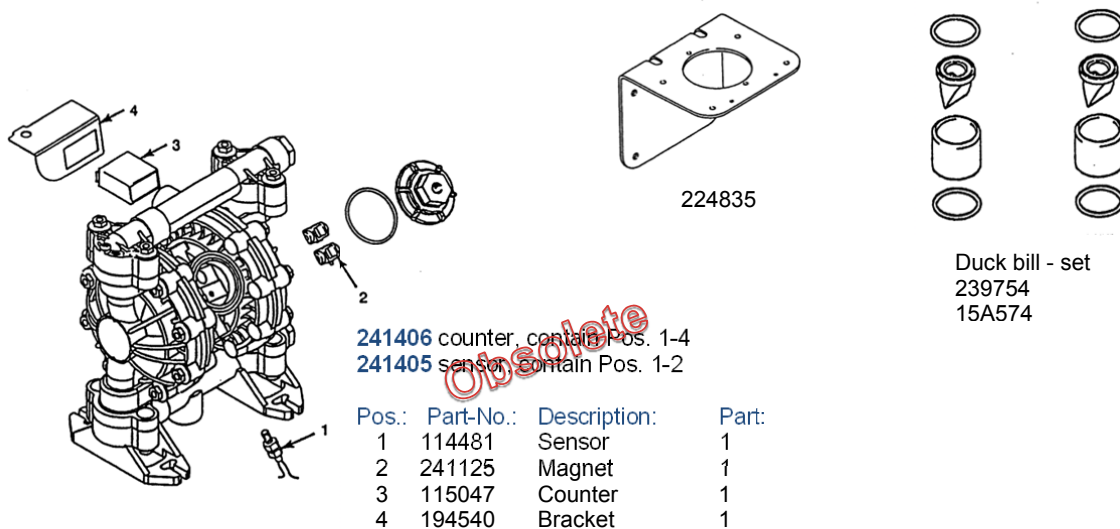
Manual 308951

Dual inlet - and outlet Kit's	
241240	Split inlet, polypropylene for 515
241243	Split outlet, polypropylene for 515
241241	Split inlet, acetal for 515
241244	Split outlet, acetal for 515
241242	Split inlet, PVDF for 515
241245	Split outlet, PVDF for 515

Accessories:

241405	Sensor kit (sensor and magnet)	
241406	Counter, digital with battery and sensor	
195265†	Car wash controller to operate D4x Pumps, 120 Volt	309004
224835	Wall bracket for husky 515 incl. 4 screws for mounting	
239754	Duck bill valve set, contains 4 valves and spacers (Polyurethane-Delrin) and O-rings	
15A574	Duck bill valve set, contains 4 valves and spacers (Buna-N-Delrin) and O-rings Duck bill, 4 !! For pumps with duck bill valve, the fluid connections are reserved, inlet above, outlet below !!	309009
113497†	Pressure control valve, inlet 3/8" NPT(m), outlet 3/8" NPT(f), opening pressure 10,3 – 12,4 bar	308403
233045†	Suction kit 200 L with bracket, polypropylene adapter 233073 and tube 196096	
233046†	Suction kit 200 L with bracket, acetal adapter 233074 and tube 196095	309116

† not shown





Graco Product Guide

Chapter 5 Husky

Husky 716

Aluminium / SST

Manual: 308981

EC-Declaration 195293 / 199162

D05 _ _ _ Rep Kit (fluid)
241657 Air Valve Service Kit
 24N320 Overmolded PTFE/EPDM Diaphragm Repair Kit
 24N321 24N320 & new air side diaphragm plates

Ball 3/4" (19,05mm)

108639 PTFE
 103462 SST 316
 112945 TPE-(Hytrel)
 112946 Santoprene
 108944 Buna N
 112959 Viton
 111453 Ceramic ball (option)

Air inlet: 1/4" npt (f)
 Fluid inlet & outlet: 3/4" NPT or BSPT
 Max. 107°C / Max. solids 2,6mm / 150cm³ per cycle
3,75 litre / 25 cycles (max recommend)
 Max. air consumption: 672dm³/min
 Max viscosity: **5000 centipoise**

ALU / SST 3/4"						Repair kit fluid side: D05xxx Repair kit air valve: 241657				
Part No.			Description	Seat		Ball Ø19,05mm		Diaphragm		
BSPT			NPT	BSPT						
D5C211	D53xxx	D4Cxxx Remote	Aluminium 	Acetal	2	PTFE	1	PTFE	1	
D5C215				Acetal	2	PTFE	1	Hytrel	5	
D5C255				Acetal	2	Hytrel	5	Hytrel	5	
D5C266				Acetal	2	Santoprene	6	Santoprene	6	
D5C277				Acetal	2	Buna-N	7	Buna-N	7	
D5C288				Acetal	2	Viton	8	Viton	8	
D5C311				SST 1.4401	3	PTFE	1	PTFE	1	
D5C315				SST 1.4401	3	PTFE	1	Hytrel	5	
D5C331				SST 1.4401	3	SST 1.4401	3	PTFE	1	
D5C335				SST 1.4401	3	SST 1.4401	3	Hytrel	5	
D5C336				SST 1.4401	3	SST 1.4401	3	Santoprene	6	
D5C337				SST 1.4401	3	SST 1.4401	3	Buna-N	7	
D5C338				SST 1.4401	3	SST 1.4401	3	Viton	8	
D5C355				SST 1.4401	3	Hytrel	5	Hytrel	5	
D5C366				SST 1.4401	3	Santoprene	6	Santoprene	6	
D5C377				SST 1.4401	3	Buna-N	7	Buna-N	7	
D5C388				SST 1.4401	3	Viton	8	Viton	8	
D5C911				Polypropylene	9	PTFE	1	PTFE	1	
D5C955				Polypropylene	9	Hytrel	5	Hytrel	5	
D5C966				Polypropylene	9	Santoprene	6	Santoprene	6	
D5C977				Polypropylene	9	Buna-N	7	Buna-N	7	
D5C237				Acetal	2	SST 1.4401	3	Buna-N	7	
D5CD05		N.N		Duck bill valve	D	-	0	Hytrel	5	
D5CD07				Duck bill valve	D	-	0	Buna-N	7	
N.N	24N257	N.N		Acetal	2	PTFE	1	overmolded PTFE		
	24N258			SST 1.4401	3	PTFE	1	overmolded PTFE		
	24N259			SST 1.4401	3	SST 1.4401	3	overmolded PTFE		
D5D211	D54xxx	D4Dxxx Remote	SST 	Acetal	2	PTFE	1	PTFE	1	
D5D255				Acetal	2	Hytrel	5	Hytrel	5	
D5D311				SST 1.4401	3	PTFE	1	PTFE	1	
D5D331				SST 1.4401	3	SST 1.4401	3	PTFE	1	
D5D335				SST 1.4401	3	SST 1.4401	3	Hytrel	5	
D5D336				SST 1.4401	3	SST 1.4401	3	Santoprene	6	
D5D377				SST 1.4401	3	Buna-N	7	Buna-N	7	
D5D381				SST 1.4401	3	Viton	8	PTFE	1	
D5D388				SST 1.4401	3	Viton	8	Viton	8	
D5D911				Polypropylene	9	PTFE	1	PTFE	1	
N.N	24N260	N.N		Acetal	2	PTFE	1	overmolded PTFE		
	24N261			SST 1.4401	3	PTFE	1	overmolded PTFE		
	24N262			SST 1.4401	3	SST 1.4401	3	overmolded PTFE		

* for pumps with duck bill valve, the fluid connections are reserved, inlet above, outlet below

Husky 716

special pumps

Aluminium / SST

Manual: 308981

EC- Declaration 195293 / 199162

with open Downward port

Manual 308981

3/4" NPT (F) suction connection underneath for drums and special applications, outlet central or side						
246485	Husky 716 (Alu)	3/4" NPT(F) (D53331)	Ex	SST 1.4401	SST 1.4401	PTFE
243305	Husky 716 (Alu)	3/4" NPT(F) (D53266)	Ex	Acetal	Santoprene	Santoprene
243306	Husky 716 (Alu)	3/4" NPT(F) (D53277)	Ex	Acetal	Buna-N	Buna-N
243307	Husky 716 (Alu)	3/4" NPT(F) (D53211)	Ex	Acetal	PTFE	PTFE

for use with moisture-sensitive materials

257447	Same like D54311 Husky 716 (SST)	Ex	SST 1.4401	PTFE	PTFE
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© tested for use with moisture-sensitive materials

to evacuate and transfer fluids

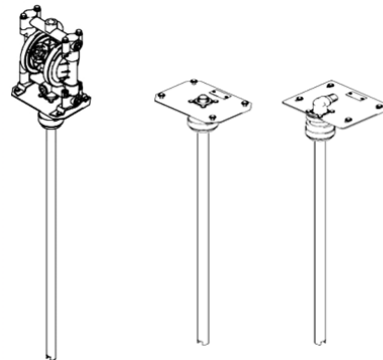
Manual 308573

241906	Restricted air inlet to maximize pumping efficiency for evacuation system	D05277
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Drum Pump Packages with open Downward port

Manual 309116

3/4" NPT (F) suction connection underneath with drum pump kit				
233054	Incl. Husky 243305 (Alu), suction	Drum Kit 233046,	Ex	
233055	Incl. Husky 243306 (Alu), suction	Drum Kit 233046,	Ex	
233056	Incl. Husky 243307 (Alu), suction	Drum Kit 233046,	Ex	
233057	Incl. Husky D54311 (SST), suction	Drum Kit 233048,	Ex	



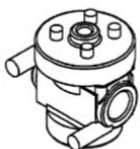
Drum Pump Kits

233046	Accessory kit for pump Model No.: 241564, 243305, 243306, 243307 Material: Aluminium, (NPT)
233048	Accessory kit for pump Model No.: D54311 Material: SST Inlet 90° (NPT)

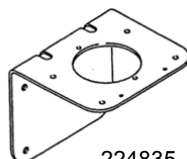
Accessories:

190246†	Inlet manifold vertical, aluminium 3/4" NPT(f) inlet thread	308981
113870	Valve shut off, used by the Leak Detectors	308702
241405	Switching set (sensor and magnet)	
241406	Counter set, digital with battery and switching set	
241657	Repair set, air valve	
224835	Wall bracket Husky 716 incl. 4 screws for fix the pump	
239754	Duck bill valve set, contains 4 valves and spacers (Polyurethane-Acetal (Delrin)) and O-rings	309009
15A574	Duck bill valve set, contains 4 valves and spacers (Buna-N- Acetal (Delrin)) and O-rings	
	!! For pumps with duck bill valve, the fluid connections are reserved, inlet above, outlet below !!	
113497†	Pressure control valve, inlet 3/8" NPT(m), outlet 3/8" NPT(f), opening pressure 10,3–12,4 bar	308403

† not shown



113870



224835

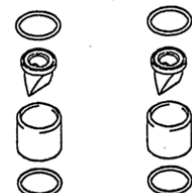
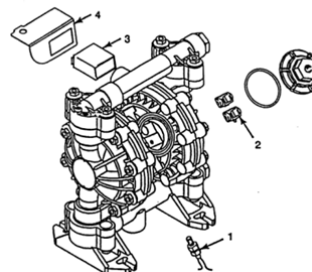


246946

1/4 in max 21 bar

Option:
(gauge C36260)

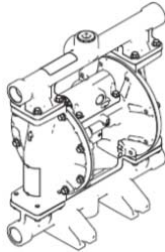
Manual: 308169



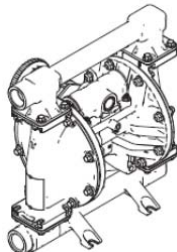
Duck bill - set
239754
15A574

Husky 1050

Operation	312877	Parts	313435
DataTrak	313840	PulseCountKits	406824
ReedSwitch	406825	CSA-Husky	313598
UL-Listed Husky	313597	EC	199254

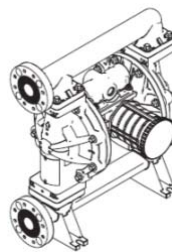


1050A
Aluminium

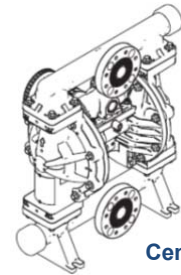


1050S
SST

End Flange

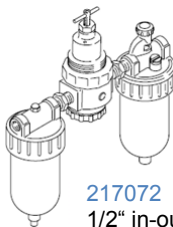


1050P / 1050C Flange
P = Polypropylene
C = Conductive Polypropylene

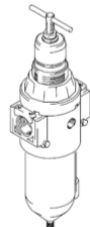


Center Flange

Accessories:



217072
1/2" in-outlet
0 – 17,5bar



246947
Air / Filter Regulator
0 – 17,5 bar /
1/2" npt (f)



104266
Air Regulator
0 – 17,5 bar
1/2" npt (f)



24D642
Muffler

TechnicalData:

Suction lift	Dry 4,9m	Wet 8,8m
Max operation temperature	PP-Pump 66°C	Alu & SST Pump see table, Manual 313435
Air inlet size	1/2 npt(f)	
Air pressure operating	1,4 – 8,6 bar	
Maximum air consumption	1897 Liter	
Fluid inlet size	1 in. raised face ANSI/DIN flange / 1" npt(f) / 1" BSPT	
Maximum size pumpable solids	1/8 in. (3.2 mm)	
Fluid displacement per cycle	0,64 liter (25,6 liter by 40 cycles)	
Max. Viscosity	10.000 cps	

Graco Product Guide

Chapter 5 Husky

Husky 1050



Configurator:

Example:

Husky 1050A A01A A1 SS / PT / PT / PT

A = fluid section
Aluminium

Center
Section and
Air Valve

Fluid Covers
and Manifolds

SS= Seat
Stainless Steel

PT = Ball
PTFE

A = Diaphragm
PTFE

PT = Manifold
O-Ring

Pump Fluid selection	Center section and air Valve Material Air Valve Replacement / Valve Repair Kits			Fluid Covers and Manifolds	
1050A Aluminum	A01A	Standard	24B766 / 24B768	A1	Aluminum, standard ports, inch
	A01B	Pulse Count	24B766 / 24B768	A2	Aluminum, standard ports, metric
1050C Conductive Polypropylene	A01C	DataTrak	24B767 / 24B768	C1	Conductive PP, center flange
	A01D	Remote	24D040 / 24D044	C2	Conductive PP, end flange
	A01E	Optional FKM Seals	24C826 / 24D699	F1	PVDF, Center flange
1050F PVDF	C01A	Standard	24B775 / 24B768	F2	PVDF, end flange
	C01B	Pulse Count	24B775 / 24B768	H1	Hastelloy, standard ports, inch
1050C Hastelloy	C01C	DataTrak	24B776 / 24B768	H2	Hastelloy, standard ports, metric
	C01D	Remote	24D042 / 24D044	P1	Polypropylene, center flange
1050P Polypropylene	P01A	Standard	24B773 / 24B768	P2	Polypropylene, end flange
	P01B	Pulse Count	24B773 / 24B768	S1	SST, standard ports, inch
1050S Stainless Steel	P01C	DataTrak	24B774 / 24B768	S2	SST, standard ports, metric
	P01D	Remote	24B041 / 24D044		

Check Valve Seats (kit)		Check Valve Balls (kit) Ø 31,75mm		Diaphragm (kit)		Manifold O-Rings	
AC	Acetal 24B630 (kit)	AC	Acetal 24B639 (kit)	BN	Buna-N 24B622 (kit)	---	None
AL	Aluminium 24B631 (kit)	BN	Buna-N 24B640 (kit)	CO	Polychloroprene Over-molded 24B625 (kit)	PT	PTFE 24B655
BN	Buna-N 24B632 (kit)	CR	Neoprene 24B643 (kit)	FK	FKM (Viton) 24B629 (kit)		
FK	FKM (Viton) 24B638 (kit)	CW	Neoprene (SST core) 24B644 (kit)	GE	Geolast 24B623 (kit)		
GE	Geolast 24B633 (kit)	FK	FKM (Viton) 24B648 (kit)	PO	PTFE/EPDM Over- Molded 24B626 (kit)		
PP	Polypropylene 24B635 (kit)	GE	Geolast 24B641 (kit)	PT	PTFE/EPDM Two-Piece 24B627 (kit)		
PV	PVDF (PVDF) 24C721 (kit)	PT	PTFE 24B645 (kit)	SP	Santoprene 24B628 (kit)		
SP	Santoprene 24B636 (kit)	SP	Santoprene 24B646 (kit)	TP	TPE (Hytrel) 24B624 (kit)		
SS	316 SST 24B637 (kit)	SS	316 SST 24B647 (kit)				
TP	TPE (Hytrel) 24B634 (kit)	TP	TPE (Hytrel) 24B642 (kit)				

Option PTFE / Santoprene
24F926 (Kit) (Manual 406809)

Husky 1040 **OBSOLETE** replaced by Husky 1050

Husky Acetal/Polypropylene/ Kynar
Aluminium / SST

Manual 308443 EC 199153
Manual 308479 EC 190022

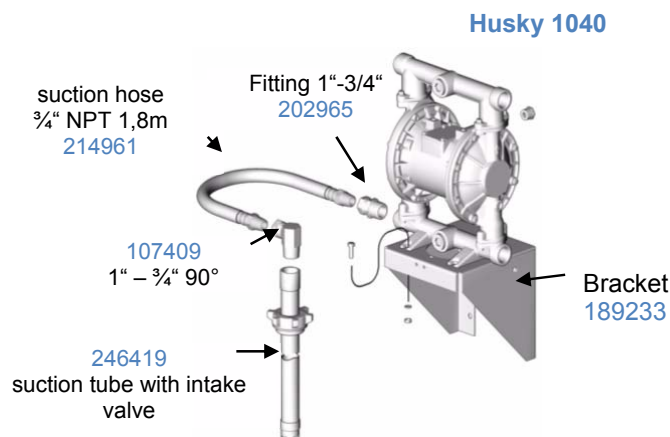
Rep Kit's Husky 1040

Ball 1-1/4" (31,75mm)

D07 _ _ _ Rep Kit (fluid)
236273 Air Valve Service Kit Alu centre housing
255061 Air Valve Service Kit SST centre housing

112088 PTFE
112254 acetal
103869 SST 316
102973 SST 440
112089 TPE-(Hytrel)
112092 Santoprene
15B487 Viton
114751 Geolast

Rep Kit	Seat	Ball	diaphragm
D07 246450 Conversion Kit Alu to SST center Manual 3096943	1 -	1 PTFE	1 PTFE
	2 Acetal	2 Acetal	2 -
	3 316 SST	3 316 SST	3 -
	4 17-4 SST	4 440 SST	4 -
	5 Hytrel®	5 Hytrel®	5 Hytrel®
	6 Santoprene®	6 Santoprene	6 Santoprene®
	7 Buna-N	7 Buna-N	7 Buna-N
	8 Viton®	8 Viton®	8 Viton®
	9 Polypropylene	9 -	9 -
	A Kynar®	A -	A -
	G Geolast®	G Geolast®	G Geolast®
	24F396	PTFE/Santoprene (Kit 2pieces)	
	289224	Upgrade kit overmolded PTFE Manual 4069647	



Husky 1050

REP-KIT's

Air Valve Repair kit:

Pump indication (Husky 1050)		Air Valve (complete)	Repair Kit	
A01A	Standard	24B766	24B768	406812
A01B	Pulse Count	24B766		
A01C	DataTrak	24B767		
A01D	Remote	24D040	24D044	406828
A01E	Optional FKM Seals	24C826	24D699	406812
C01A	Standard	24B775	24B768	
C01B	Pulse Count	24B775		
C01C	DataTrak	24B776		
C01D	Remote	24D042	24D044	406828
P01A	Standard	24B773	24B768	406812
P01B	Pulse Count	24B773		
P01C	DataTrak	24B774		
P01D	Remote	24B041	24D044	406828
24B769	Air Valve Seals Kit,			406813

Remote Air Control Conversion Kits

24D037	Aluminium 1050A remote	406827
24D038	Polypropylene 1050P remote	
24D039	Conductive Polypropylene 1050C remote	

Pilot Valve Assembly,

24B657	Standard, Pulse Count, DataTrak models		406811
24B657 + 24D043	Remote Pilots		
24C825	Only A01E		

Center Shaft Kit

24B656	All models excl. A01E	406810
24D731	Only A01E	

Center Shaft Bearing Kit

24B658	All models excl. A01E	406810
24D732	Only A01E	

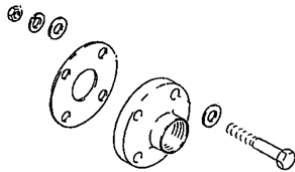
Data Trak Kit's (Conversion Kit's)

with runaway Count		only Pulse	
24B777	Aluminium	24B795	313840
24B784	Polypropylene	24B794	
24B794	Conductive Polypropylene	24B794	

Accessories Husky 1050

Accessories:

24D205	Dual inlet Manifold (Aluminium Husky 1050 only) 8x O-Ring 113508	
238428	Fluid Pressure Relief Kit, for aluminium pumps, 3/8" / 10,3bar	406172
112119	Fluid Pressure Relief Kit, for plastic pumps, 1/4 -18NPT /10,3bar (SST / PTFE)	
236452	Rubber Foot Mounting Kit, Includes 4x washers, 4x nuts, 4x rubber feet.	
238909	Grounding Wire Assembly Kit, Includes ground wire and clamp	
24E769	Kit, cylindrical Dämper (4x Dämper + 8x Wascher + 8x Nut)	
246946	Air Controls Kit Includes 1/4 npt air filter/regulator with 40 micron element and air pressure gauge.	
246947	Includes 1/2 npt air filter/regulator with 40 micron element and air pressure gauge	
239005	Standard Pipe Flange Kits, Polypropylene / Gasket 113854 / Husky 1040/1050	406361
239008	Standard Pipe Flange Kits, Stainless steel / Gasket 113854 / Husky 1040/1050	
239009	Standard Pipe Flange Kits, PVDF / Gasket 113854 / Husky 1040/1050	
24D642	New Low Ice Muffler (since Feb.12) snap fit	
102656	Low-Ice Muffler, 3/4 npt, aluminium "old style"	
189233	Wall mount bracket Husky 1050 only SST	
238428	Fluid Pressure Relief Kit for aluminum pumps	
112119	Fluid Pressure Relief Kit for plastic pumps	
24C637	Wall mount bracket kit Husky 1050 only aluminium and plastic (Bracket 16D787/ Damper 16D786/ Washer556/ Nut) Manual 406829	



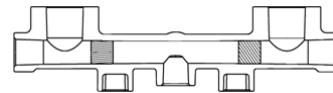
239005 PP
239008 SST
239009 PVDF



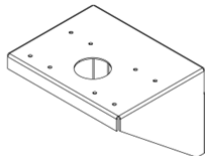
236452



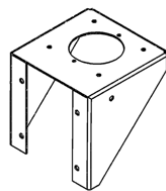
24E769



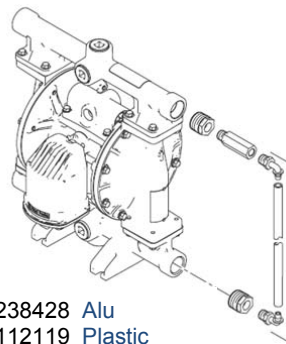
24D205



24C637
for Alu & Plastic Husky



189233
(only for SST
Husky)



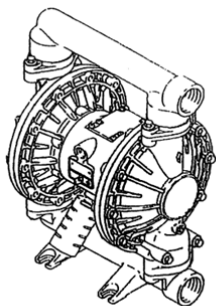
238428 Alu
112119 Plastic



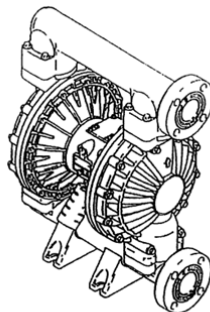
24D642
Muffler

Husky 1590

SST/ PVDF®



Husky 1590 (SST)



Husky 1590 (Kynar)

Ball 1-3/4" (44,45mm)

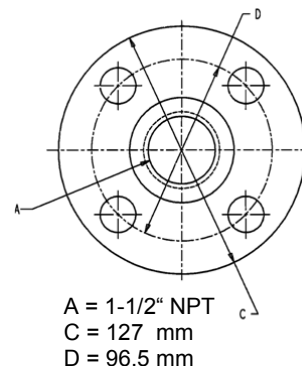
112419	PTFE	(1)
112423	acetal	(2)
112420	SST 440	(4)
112831	TPE-(Hytrel)	(5)
112421	Santoprene	(6)
15B490	Buma-N	(7)
15B489	Viton	(8)
114752	Geolast	(G)

Husky 1590

Inlet / outlet 1-1/2" or flange

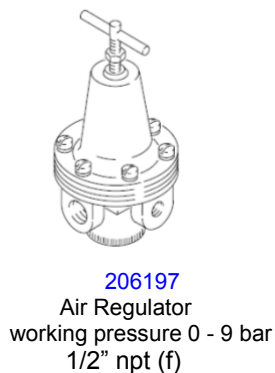
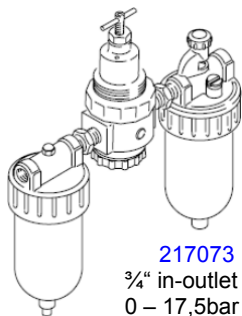
D0B	---	Rep Kit (fluid) ALU and SST
D0C	---	Rep Kit (fluid) Polypropylene & PVDF
236273		Air Valve Service Kit Alu centre housing
255061		Air Valve Service Kit SST centre housing

Air inlet: 1/2" npt (f)
Max. 65,5°C
1,96dm³ (1,96 Litre) per cycle
49 litre / 25 cycles (max recommend)
Max. air consumption: 3540 dm³/min
Max viscosity: **15.000 centipoise**



Accessories:

239006	Flange kit polypropylene , with SST-screws and PTFE gasket	406361
239010	Flange kit PVDF® , with SST-screws and PTFE gasket	406361
15B252	Rubber foot Ø 38 mm, 3/8"-16UNC (m) x 3/8"-UNC(f), (Nut 112913 & Spacer 112914 are <u>not</u> included)	
246451	Conversion kit (SST), rebuild ALU centre to SST centre	309643



Info:

SST 316	1.14401	X5CrNiMo17-12-2
SST 17-4	1.4548	X5CrNiCuNb17-4-4
440 SST	1.4125	X105CrMo17



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Husky 1590

Polypropylene and PVDF®
Manual 308549 EC-199163

Husky	center	fluid section	seat	ball	diaphragm
D (all husky pumps)	B Standard - Alu	1 -	1 -	1 PTFE	1 PTFE
Flange	C Remote - Alu	2 Polypropylene	2 -	2 Acetal	2 -
	T Stand.- SST	3 -	3 316 SST	3 -	3 -
	U Remote- SST	4 -	4 17-4 SST	4 440 SST	4 -
		5 PVDF	5 Hytrel®	5 Hytrel®	5 Hytrel®
			6 Santoprene®	6 Santoprene®	6 Santoprene®
			7 Buna-N	7 Buna-N	7 Buna-N
			8 Viton®	8 Viton®	8 Viton®
			9 Polypropylene	9 -	9 -
			A PVDF®	A -	A -
			G -	G Geolast®	G Geolast®

ALU and SST

Manual 308441 EC-190020

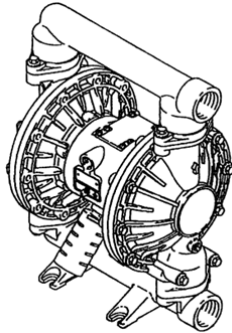
Husky	Center (Air Motor)	fluid section	seat	ball	diaphragm
D (all husky pumps)	B Standard - Alu	1 -	1 -	1 PTFE	1 PTFE
Thread 1,5"	C Remote - Alu	2 -	2 -	2 Acetal	2 -
	T Stand.- SST	3 Alu - NPT	3 316 SST	3 -	3 -
	U Remote- SST	4 SST - NPT	4 17-4 SST	4 440 SST	4 -
		C Alu - BSPT	5 Hytrel®	5 Hytrel®	5 Hytrel®
		D SST - BSPT	6 Santoprene®	6 Santoprene®	6 Santoprene®
			7 Buna-N	7 Buna-N	7 Buna-N
			8 Viton®	8 Viton®	8 Viton®
			9 Polypropylene	9 -	9 -
			A PVDF®	A -	A -
			G Geolast®	G Geolast®	G Geolast®

Husky 1590 special pumps

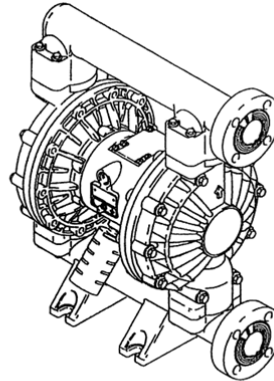
Part. No	Air motor	Fluid section	Seats	Ball	Diaphragm
24B761	Standard - Alu	Polypropylene	3 316 SST	1 PTFE	overmolded PTFE Kit 253627 Kit 289225 With side plates (406647)
24B760	Standard - Alu	Polypropylene	9 Polypropylene	1 PTFE	
24B759	Stand.- SST	Polypropylene	9 Polypropylene	1 PTFE	
24B780	Stand.- SST	SST - NPT	3 316 SST	1 PTFE	
24B758	Stand.- SST	PVDF	A PVDF	1 PTFE	
24B832	Standard - Alu	PVDF	A PVDF	1 PTFE	
24B781	Standard - Alu	SST - NPT	3 316 SST	1 PTFE	
24G411	Standard - Alu	Alu - BSPT	3 316 SST	1 PTFE	
24J358	Standard - Alu	Alu - NPT	3 316 SST	1 PTFE	
24J359	Standard - Alu	Alu - NPT	3 316 SST	2 Acetal	

Husky 2150

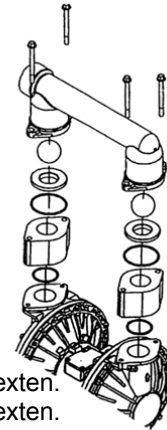
SST / ALU / PP / PVDF®



Husky 2150 (SST)



Husky 2150 (Kynar)



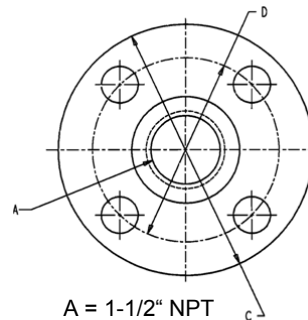
Alu.-BSP-exter.
Alu.-NPT-exter.
(234019 Set)

Husky 2150

Inlet / outlet 2" or flange

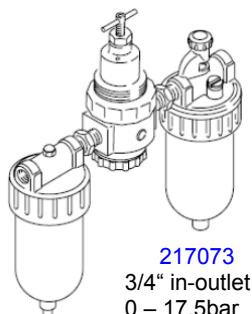
D0F --- Rep Kit (fluid) ALU and SST
D0G --- Rep Kit (fluid) Polypropylene & PVDF
236273 Air Valve Service Kit Alu centre housing
255061 Air Valve Service Kit SST centre housing

Air inlet: 1/2" npt (f)
Max. 65,5°C
3900cm³ (3,9 Litre) per cycle
97 litre / 25 cycles (max recommend)
Max. air consumption: 4995 dm³/min
Max viscosity: **20.000 centipoises**



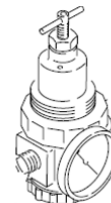
A = 1-1/2" NPT
C = 152,4 mm
D = 119,4 mm

239007	Flange kit polypropylene , with SST-screws and PTFE gasket	406361
239011	Flange kit PVDF®, with SST-screws and PTFE gasket	406361
15B252	Rubber foot Ø 38 mm, 3/8"-16UNC (m) x 3/8"-UNC(f), (Nut 112913 & Spacer 112914 are not included)	
246452	Conversion kit (SST), rebuild ALU centre to SST centre	309643
234019	Manifold extension kit Husky 2150	



217073

3/4" in-outlet
0 – 17,5bar



207755

Air Regulator
working pressure 0 - 9 bar
3/4" npt (f)



Graco Product Guide Chapter 5 Husky

Accessories:

Husky 2150

Polypropylene and PVDF®

Manual 308550 EC- 199165

Husky	center	fluid section	seat	ball	diaphragm
D (all husky pumps)	F Standard - Alu	1 -	1 -	1 PTFE	1 PTFE
	G Remote - Alu	2 Polypropylene	2 -	2 Acetal	2 -
	V Stand.- SST	3 -	3 316 SST	3 -	3 -
246452 Conversion kit Alu to SST center 309643 Flange		4 -	4 17-4 SST	4 440 SST	4 -
		5 PVDF	5 Hytrel®	5 Hytrel®	5 Hytrel®
			6 Santoprene®	6 Santoprene®	6 Santoprene®
			7 Buna-N	7 Buna-N	7 Buna-N
			8 Viton®	8 Viton®	8 Viton®
			9 Polypropylene	9 -	9 -
			A PVDF®	A -	A -
			G Geolast®	G Geolast®	G Geolast®
		Kit Diaphragm PTFE/ Santoprene (2 pieces)			24F399

ALU and SST

Manual 308368

EC- 190030

Husky	center	fluid section	seat	ball	diaphragm
D (all husky pumps)	F Standard - Alu	1 -	1 -	1 PTFE	1 PTFE
	G Remote - Alu	2 -	2 -	2 Acetal	2 -
	V Stand.- SST	3 Alu - NPT	3 316 SST	3 -	3 -
246452 Conversion kit Alu to SST center 309643 Thread 2"		4 SST - NPT	4 17-4 SST	4 440 SST	4 -
		6 Cast iron NPT	5 Hytrel®	5 Hytrel®	5 Hytrel®
		C Alu - BSPT	6 Santoprene®	6 Santoprene®	6 Santoprene®
		D SST - BSPT	7 Buna-N	7 Buna-N	7 Buna-N
		F Cast iron BSPT	8 Viton®	8 Viton®	8 Viton®
		G Alu - BSPT extension	9 Polypropylene	9 -	9 -
		H Alu - NPT extension	A PVDF®	A -	A -
			G Geolast®	G Geolast®	G Geolast®
		Kit Diaphragm PTFE/ Santoprene (2 pieces)			24F400

Husky 2150 special pumps

Part. No	center	fluid section	seats	ball	diaphragm
24B782	Standard - Alu	3 Alu - NPT	3 316 SST	1 PTFE	overmolded PTFE 253628 Kit
24J360		C Alu - BSPT	3 316 SST	2 Acetal	
24G413			3 316 SST	1 PTFE	
24B783	Stand.- SST	4 SST - NPT	3 316 SST	1 PTFE	
24B801		5 Hytrel®	3 316 SST	1 PTFE	289226 Kit With side plates (406647)
24B762			A PVDF®	1 PTFE	
24B763		2 Polypropylene	9 Polypropylene	1 PTFE	
24B764	Standard - Alu	2 Polypropylene	9 Polypropylene	1 PTFE	
24B765		2 Polypropylene	3 316 SST	1 PTFE	
24B833		5 Hytrel®	A PVDF®	1 PTFE	

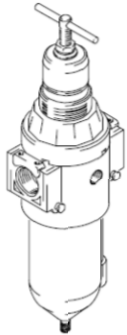
Husky 3275

Aluminium

Husky 3275

7,6 Litre/ Cycles
190 litre / 25 cycles (max recommend)
3 " Sanitary Flange
Air inlet 3/4" npt (f)
Max. air consumption: 9200 dm³/min
Max viscosity: **25.000 centipoises**

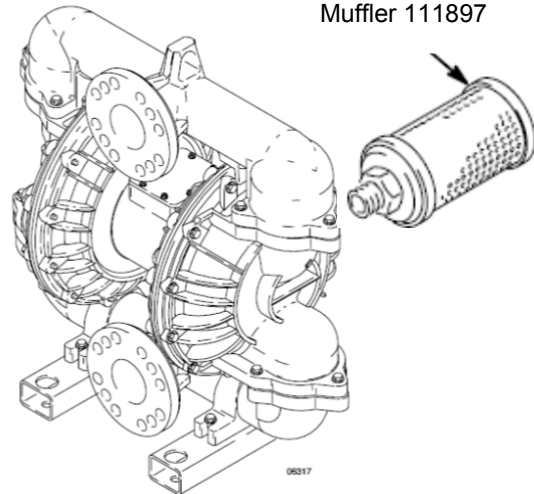
D0K xxx: Repair kit 3275, fluid side
238765 Repair Kit Air valve (Manual 406347)



246947

Integral Filter- Regulator
Max. pressure 17,5 bar
3/4" npt (f)

Option: Gauge C36260



Muffler 111897

Manual: 308639 EC- 193163

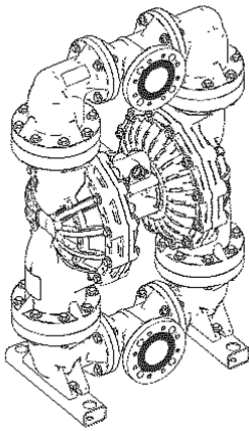
Part No.	Description	Seat	Ball	Diaphragm
DK3311 ESUP 652021	Husky 3275 (Alu) Flange	SST 1.4401	PTFE (113253)	PTFE (15M510)
DK3316 ESUP 652022	Husky 3275 (Alu) Flange	SST 1.4401	PTFE (113253)	Santoprene (190838)
DK3366 ESUP 652014	Husky 3275 (Alu) Flange	SST 1.4401	Santoprene (113254)	Santoprene (190838)
DK3515 ESUP 652010	Husky 3275 (Alu) Flange	Hytrel	PTFE (113253)	Hytrel (190839)
DK3525 ESUP 652002	Husky 3275 (Alu) Flange	Hytrel	Acetal (113266)	Hytrel (190839)
DK3565 ESUP 652009	Husky 3275 (Alu) Flange	Hytrel	Santoprene(113254)	Hytrel (190839)
DK3616 ESUP 652039	Husky 3275 (Alu) Flange	Santoprene	PTFE (113253)	Santoprene (190838)
DK3666 ESUP 652036	Husky 3275 (Alu) Flange	Santoprene	Santoprene (113254)	Santoprene (190838)
DK3G1G Not Replaced	Husky 3275 (Alu) Flange	Geolast	PTFE (113253)	Geolast (194218)
DK3GGG Not Replaced	Husky 3275 (Alu) Flange	Geolast	Geolast (114754)	Geolast (194218)

ESUP = Replaced by

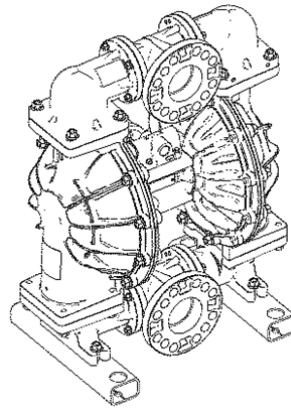
Husky 3300

SST, Aluminium and PP

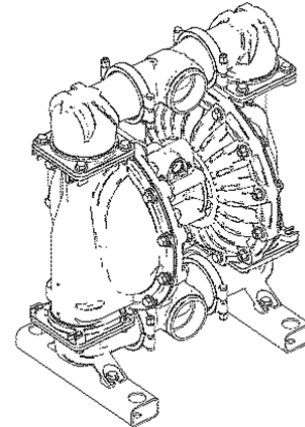
Manual Operation: 3A0410
Manual Repair: 3A0411
Brochure: 344917
EC-Declaration: 199362



Polypropylene



Aluminium



Stainless Steel

Husky 3300

7,6 Liter /Cycles Overmolded diaphragms
152 L/min = 9120 L/h (20 cycles max recommend)

11 Liter / Cycles Standard diaphragms
220 L/min = 13200 L/h (20 cycles max recommend)

Maximum size pumpable solids: 13mm
3 " ANSI/DIN Flange
Air inlet 3/4" npt (f)

Max. air consumption:
Metal: 9500 dm³/min
Plastic: 7800dm³/min

Max air inlet pressure:
8,6 Bar
7 Bar

Max viscosity: **25.000 centipoises**

Maximum suction lift

Dry 2,4m
Wet 8,5m

Fluid Temperature Range

Between 66°C and 135° C Aluminum Pumps
Max. 66 °C

(See Manual 3A0410)
Polypropylene Pumps (NON ATEX)

Graco Product Guide Chapter 5 Husky



Husky 3300

Configurator: <http://clients.pixelfarmdigital.com/graco/husky/>

Husky 3300A / A01A / A1 / SS / PT / PT / PT

A = fluid section
Aluminium

Center
Section and
Air Valve

Fluid Covers
and Manifolds

SS= Seat
Stainless Steel

PT = Ball
PTFE

PT = Diaphragm
PTFE

PT = Manifold
O-Ring

Pump Fluid selection	Center section and air Valve Material Air Valve Replacement / Valve Repair Kits		Fluid Covers and Manifolds	
3300A Aluminum	A01A	Standard Diaphragms 24K855 / 24K860	A1	Aluminum, center flange, Inch (3" - 8 NPT)
	A01E	Standard Diaphragms (FKM Seals) 24K947 / 24K954	A2	Aluminum, center flange, Metric (3" – 11 BSPT)
3300P Polypropylene NON ATEX	A01G	Overmolded Diaphragms 24K855 / 24K860	P1	Polypropylene, center flange
3300F Stainless Steel	P01A	Standard Diaphragms 24K857 / 24K860	S1	SST, center flange, inch (3" – 8 NPT)
	P01G	Overmolded Diaphragms 24K857 / 24K860	S2	SST, center flange, metric (3" – 11 BSPT)

Check Valve Seats		Check Valve Balls 4 pieces		Diaphragm		Manifold and Seat Seals	
AC	Acetal	AC	Acetal 24K937	BN	Buna –N	Models with Buna-N, FKM Fluoroelastomer or TPE seats do not use o-rings.	
AL	Aluminium	BN	Buna –N 24K938	CO	Polychloroprene Overmolded		
BN	Buna –N	CR	Polychloroprene 24K941 Standard (Neoprene®)	CR	Polychloroprene (Neoprene®)		
FK	FKM (Viton®)	CW	Polychloroprene 24K942 SST Core (Neoprene®)	FK	FKM (Viton®)	BN	Buna-N
GE	Geolast®	FK	FKM (Viton®) 24K945	GE	Geolast®	PT	PTFE
PP	Polypropylene	GE	Geolast® 24K939	PO	PTFE/EPDM Overmolded		
SP	Santoprene®	PT	PTFE 24K943	PT	PTFE/Air- Santoprene®		
SS	316 SST	SP	Santoprene® 24K944	SP	Santoprene®		
TP	TPE (Hytrel®)	TP	TPE (Hytrel®) 24K940	TP	TPE TPE (Hytrel®)		

Husky 3300

Seat (Check Valve)

Seat Kit (4 pieces)	Seat (1 pieces)	Material	Seat O-Ring Kits (8 pieces)
24K928	15V313	Acetal (AC)	PT = 24K927
24K929	15V314	Aluminium (AL)	
24K930	15V311	Buna N (BN)	
24K936	15V312	Viton (FK)	BN = 24K909
24K931	15V310	Geolast (GE)	
24K933	15V309	Polypropylene (PP)	
24K934	15V307	Santoprene (SP)	FK = 24K926
24K935	15V302	SST (SS)	
24K932	15V304	TPE (Hytrel®) (TP)	

Ball (Check Valve)

Ball Kit (4 Pieces)	Ball (1 Pieces)	Material	Dimension
24K937	113266	Acetal (AC)	Ø 3,25 inc Ø 82,55mm
24K938	16E140	Buna N (BN)	
24K939	114754	Geolast (GE)	
24K940	16E139	TPE Hytrel® (TP)	
24K941	16E142	Neoprene (CR)	
24K942	16E649	Neoprene SST Core (CW)	
24K944	113245	Santoprene (SP)	
24K945	16E141	Viton (FK)	
24K940	16E139	PTFE (TP)	

Diaphragm

Diaphragm kit (4 Pieces & O-Rings)	Diaphragm Not for sale	O-Rings	Screw Set	Material	Short	Manual
24K897	16E198	114315	---	Buna N	(BN)	406956
24K903	16E197	114315	---	Viton (FKM)	(FK)	
24K900	16M189	114315	---	Geolast	(GE)	
24K904	16E199	114315	---	Neoprene	(CR)	
24K902	16M752	114315	---	Santoprene®	(SP)	
24K901	16M914	114315	---	TPE (Hytrel)	(TP)	
24K898	15V051	---	125099	Neoprene Overmolded	(CO)	406957
24K899	15V044	---	125099	PTFE/EPDM Overmolded	(PO)	406956
24K905	16N424(PT) 16M742(SP)	114315	---	PTFE / Santoprene® Two Pieces	(PT)	406958

Husky 3300

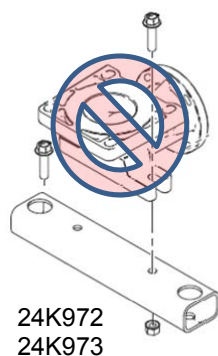
Part No.	Description	Manual
24K860	Air Valve Repair Kit for: A01A, P01A, A01G, P01G	406961
24K954	Air Valve Repair Kit for: A01E (FKM Seals)	
24A366	Pilot Valve Assy Kit for: A01A, P01A, A01G, P01G	
24K946	Pilot Valve Assy Kit for: A01E	
24K852	Center Shaft Kit, A01A, P01A, (incl. 2U-cups, 1 center shaft, 2 shaft bearings)	406959
24K950	Center Shaft Kit, A01E, (incl. 2U-cups, 1 center shaft, 2 shaft bearings)	
24K853	Center Shaft Kit, A01G, P01G, (incl. 2U-cups, 1 center shaft, 2 shaft bearings)	
24K854	Center Shaft Bearing Kits, A01A, P01A, A01G, P01G,	406959
24K951	Center Shaft Bearing Kits, A01E	
24K856	Replacement Air Valve Kit, Aluminum, DataTrak Compatible	
24K858	Replacement Air Valve Kit, Polypropylene, DataTrak Compatible	
24K949	Replacement Air Valve Kit, Aluminum, DataTrak Compatible, with FKM Seals	

DataTrak Conversion Kits with Pulse Count and Runaway Protection		Manual
24K861	For Aluminum Pump	313840
24K862	For Polypropylene Pump	
DataTrak Conversion Kits with Pulse Count		EC 199201
24B794	For Polypropylene Pump & conductive Polypropylene Pump	
24B795	For Aluminium Pump	
Solenoid/Reed Switch replace Kit, incl. reed switch, solenoid, bracket and fasteners		406963
24K863	for pumps with PP center section and Air Valve	
24K864	for pumps with Alu center section and Air Valve,	
Reed Switch replace Kit, incl. reed switch and fasteners		
24B796	For Polypropylene Pump & conductive Polypropylene Pump	
24B798	For Aluminum Pump	

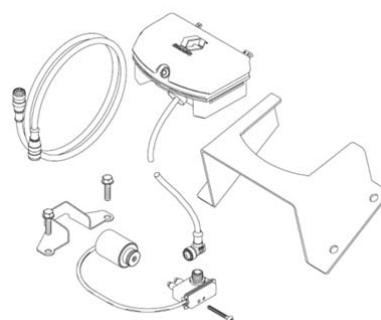
Accessories

111920	Lithium-based grease	
24K972	Bracket / Foot kit, for PP/SST Husky 3300	
24K973	Bracket / Foot kit, Alu Husky 3300	

Torque Instruction Husky 3300	406964
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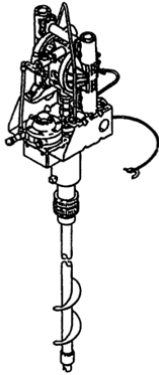


DataTrak Kits



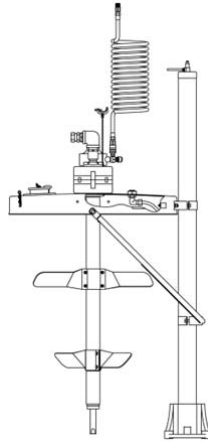
Husky Pump Unit's

Husky 515 Twinsork



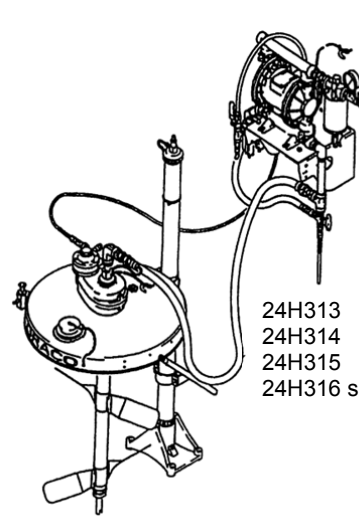
238859
238860

Agitator Supply Module

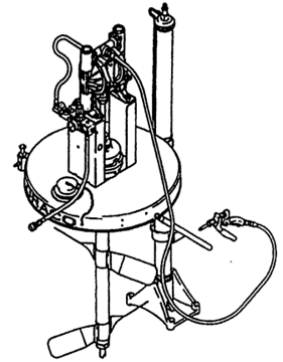


239857

Husky Dispenser 200L



24H313
24H314
24H315
24H316 shown



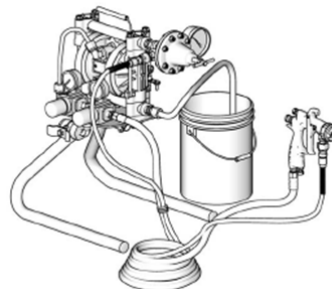
231418
231419

FAS-VAC system



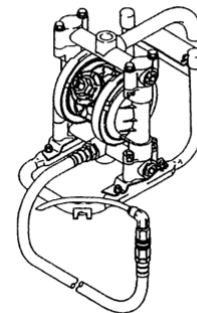
224763*
224701*
*Not EC-Marked

Finex Airspray
Package Sprayer

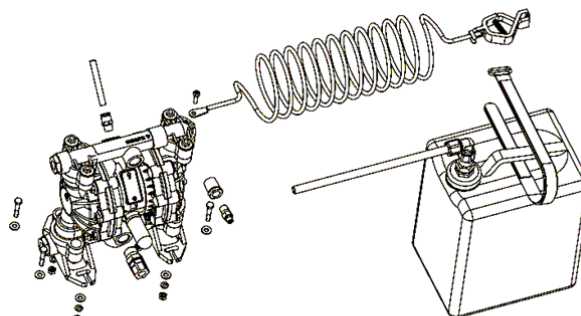


289353
289354

Evacuation system portable



223695
223335



Solvent Flush kits

16M560 (Husky D51211)
16M561 (Husky D51211)



Husky Pump Unit's

Part No.	Description	Accessory	Manual
223695	Husky 716, (241906) Evacuation system portable FOR GEAR LUBE USE ONLY		308035
235335	Husky 716, (241906) Evacuation system portable FOR GEAR LUBE EVAC or DRAIN PLUG EVAC		308035
224763	Husky 716, FAS-VAC system without drum	fit for 120 lbs/60L drum	Not EC-Marked 308154
224701	Husky 716, FAS-VAC system without drum	fit for 200L drum-cart Model 111 470	Not EC-Marked 308154

Solvend Flush kit

16M560	Solvent FRP Flush kit, Tank 9,5 liter, Husky D51211	
16M561	Solvent FRP Flush kit, Tank 19 liter, Husky D51211	

Husky Twinstork-agitator

238859	Husky-Pump system with Twinstork-agitator, Husky 515 Polypropylene 241656, inlet below	308656
238860	Husky-Pump system with Twinstork-agitator, Husky 515 Acetal 241564, inlet below	

Husky Finex Airspray

289353	Husky Finex Airspray Package, Regulator, hose, suction line, Finex Spray Gun	312473
289354	Husky Finex Airspray Package, Regulator, hose, suction line, Finex HVLP Gun	

Husky Dispenser System

231418	Husky 515 delivery and evacuation (200 L drum) with 1,8 m hose and gun (Husky 241564)	308666
231419	Husky 515 delivery and evacuation (200 L drum) without hose and gun (Husky 241564)	
24H313	Husky 1050 SST wall mount with circulation, FRL, suction kit 200L, strainer 116 cm ² , 3/4"	3A1318
24H314	Husky 1050 SST wall mount with circulation, FRL, suction kit 200L, strainer 167 cm ² , 3/4"	EC-193006
24H315	Husky 1050 SST wall mount with circulation, FRL, 1,8 m, strainer 167 cm ² , 3/4"	
24H316	Same like 24H315 + 239857 (agitator Supply Module 200 Liter)	

Agitator Supply Module

239857	Elevator, stainless steel drum cover and back-gearred agitator (238157)	308769
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Complete Feed Pump Packages (Husky & Triton)

246366	Incl. 1x Husky 515 (246484) + 1x suction tube 246419	309815
246481	Incl. 2x Husky 515 (246484) + 2x suction tube 246419 + 2x fluid supply hose 217382	
246369	Incl. 246481 + 1x Air supply kit 246483 + 1x dryer 247616	
246367	Incl. 1x Husky 716 (246485) + 1x suction tube 246419	309815
246482	Incl. 2x Husky 716 (246485) + 2x suction tube 246419 + 2x fluid supply hose 217382	
246375	Incl. 246482 + 1x Air supply kit 246483 + 1x dryer 247616	
246368	Incl. 1x Husky1050A (647673) + suction tube 246419	309815
246676	Incl. 2x Husky1050A (647673) on bracket + 2x suction tube + 2x fluid supply hose	
246376	Incl. 246676 + 1x Air supply kit 246483 + 1x dryer 247616	
246654	Incl. 1x Triton 308 Alu (233500) + suction tube 246419	
246655	Incl. 2x Triton 308 Alu (233500) + 1x Air supply kit 246483 + 2x suction tube 246419 + 1x Air Dryer	
246483	Air supply kit for two feed pumps and 1 Fusion Gun (Reactor)	309827



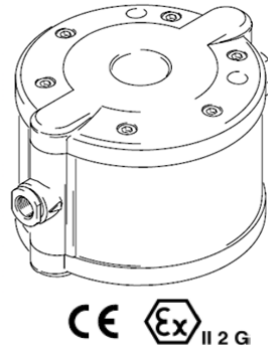
Graco Product Guide Chapter 5 Husky

Husky

TRITON 308

Manual 309303
Declaration 199060

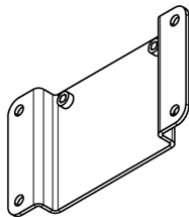
Air Inlet: 1/4"
Fluid Inlet: 3/4" NPT or M26x1,5 BSPP
Fluid Outlet: 3/8" NPT or BSPP
Recommend flow rate 3,2 l/min (20cycles/160cm³)
max air consumption: 80l/min
Temperature range: 10 – 80 °C
Suction lift: 4,8m dry / 6,5m wet



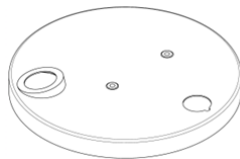
Inlet fitting:
only SST pump:
(198857 seal) inlet
198863 bspp
198852 npt

Outlet fitting:
only SST pump:
(117036 seal) outlet
198864 bspp
198855 npt

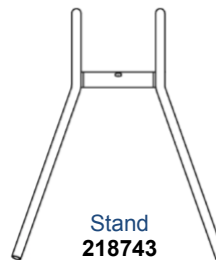
Part No.	Description	Seat	Ball	Diaphragm
233500 NPT	1:1 Triton, aluminium, fluid inlet 3/4" NPT(f) and Fluid outlet 3/8"NPT(f)	SST 1.4305	Acetal 197663	PTFE/NBR 245065
233501 NPT	1:1 Triton, SST fluid inlet 3/4" NPT(f) and Fluid outlet 3/8"NPT(f)	SST 1.4305	Acetal 197663	PTFE/NBR 245065
233776 BSPP (001.085 DP)	1:1 Triton, aluminium fluid inlet M26 x 1.5 and Fluid outlet G3/8"	SST 1.4305	Acetal 197663	PTFE/NBR 245065
233777 BSPP (001.085 DP)	1:1 Triton, SST, fluid inlet M26 x 1.5 and Fluid outlet G3/8"	SST 1.4305	Acetal 197663	PTFE/NBR 245065



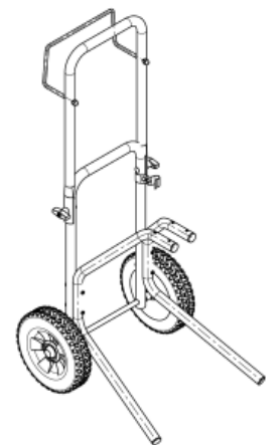
Wall Bracket Triton 1:1
197426



Pail Cover
197298 CS
197216 SST



Stand
218743



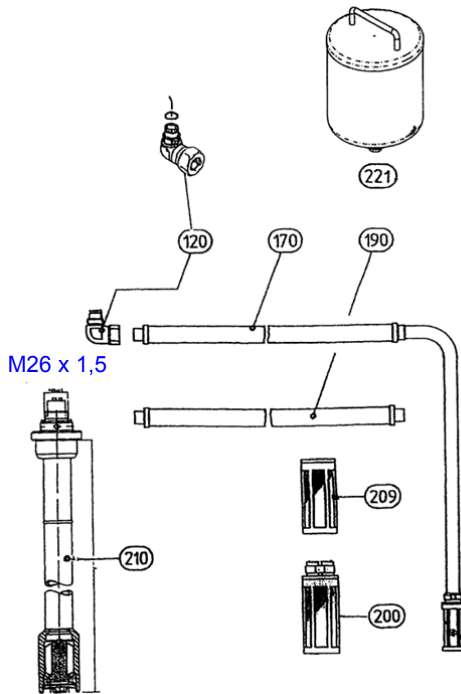
Cart
233581

Accessories BSPP pump

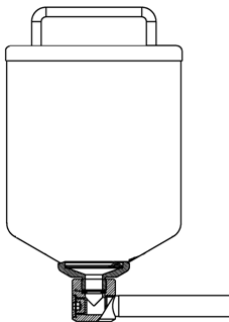
BSPP 085-DP M26 x 1,5

Suction kit for model 233776 and 233777 (M26x1,5)

(for model 233776 the gasket 117291 and nipple 76641115002 are necessary)



Pos. 120	233888	Fitting 90° M26 x 1,5 D22 (117323 Nut / 15F150 O-ring)
Pos. 170	245724	Suction tube/hose 30L with 1,8mm
	245737	Suction tube/hose 200 L with 1,8mm
Pos. 190	77848035009	Suction hose 1000 mm long D22mm
	77848035010	Suction hose 1600 mm long D22mm SST
Pos. 200	233952	Strainer with Sieve 1,0 mm, ID 22mm
	233946	Strainer with Sieve 1,8 mm, ID 22mm
Pos. 209	117439	Sieve 1,0 mm mesh size
	117309	Sieve 1,8 mm mesh size
Pos. 221	233845	5 Litre hopper, connection M26 x 1,5
	117291	Inlet gasket, 15 x 24 x 4
	117290	Sieve inlet for 5 litre hopper
	117289	Spring for 5 litre hopper
	75188097002	Gasket NBR for 233888
	117008	O-Ring Viton for
	233888	Retaining nut

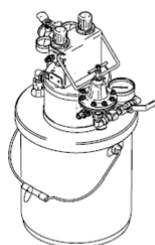


245717 Cup 5Liter SST

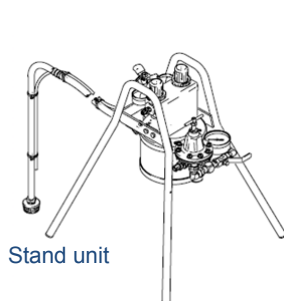
233844	Cup
233846	Tube
116902	Plug Socket Head
117297	Ring Sealing Cup 5L
117292	Cover cup
117290	Filter, inset
117289	Spring, bending
117288	Handle
117287	Gasket M5 (Handle)
117293	Screw M5x10 Handle

Triton 308 Spray Packages

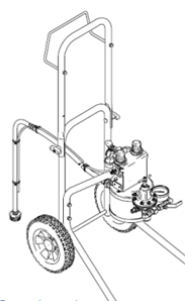
Manual 309304



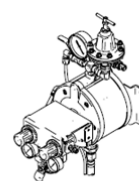
Pail unit



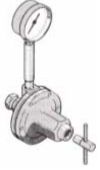
Stand unit



Cart unit



Wall unit
deliver without suction kit

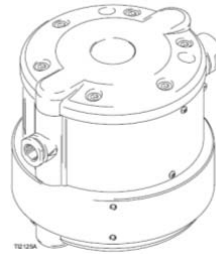
Description	Pail unit	Stand unit	Cart unit	Wall unit	Manual: 307212
ALU pump (233500), bare	233466	233473	233480	233487	* included Regulator SST 214895 0,3 – 7 bar 
SST pump (233501), bare	233467	233474	233481	233488	
SST pump, Air Pro gun (288969) 1,4mm, hose 7,6m (233499)	---	---	289632*	289622*	
SST pump, Air Pro gun (288 972) 1,4mm, hose 7,6m (233499)	---	---	289633*	289623*	
SST pump, Air Pro gun (288966) 1,4mm, hose 7,6m (233499)	---	---	289634	289624	Manual:308325 + included Regulator acetal 241976 0-4 bar 
ALU pump, Air Pro gun (289110) 1,0mm, hose 7,6m (233498)	289645+	---	289638+	289628+	
SST pump, Air Pro gun (289110) 1,0mm, hose 7,6m (233499)	289642*	---	289635*	289625*	
ALU pump, Air Pro gun (289111) 1,0mm, hose 7,6m (233498)	289646+	---	289639+	289629+	
SST pump, Air Pro gun (289111) 1,0mm, hose 7,6m (233499)	289643*	---	289636*	289626*	Max air consumption: Pump: 42 l/min Gun: HVLP: 420 l/min Electrostatic: 566 l/min Conventional: 339 l/min
ALU pump, Air Pro gun (289109) 1,0mm, hose 7,6m (233498)	289647	---	289640	289630	
SST pump, Air Pro gun (289109) 1,0mm, hose 7,6m (233499)	289644	---	289637	299627	
ALU pump, Air Pro gun (288931) 1,4mm, hose 7,6m (233498)	233468	233 475	233482	233489	
SST pump, Air Pro gun (288931) 1,4mm, hose 7,6m (233499)	233469	233 476	233483	233490	
ALU pump, Air Pro gun (288938) 1,4mm, hose 7,6m (233498)	233470+	233 477+	233484+	233491+	
SST pump, Air Pro gun (288938) 1,4mm, hose 7,6m (233499)	233471*	233 478*	233485*	233492*	
ALU pump, Air Pro gun (288945) 1,4mm, hose 7,6m (233498)	234911+	234 913+	234915+	234917+	
SST pump, Air Pro gun (288945) 1,4mm, hose 7,6m (233499)	234912*	234 914*	234916*	234918*	
ALU pump, hose kit (240425), PRO Xs2 electrostatic sprayer	233741+	233 743+	233746+	233748+	
ALU pump, hose kit (240425), PRO Xs3 electrostatic sprayer	233742+	233 744+	233747+	233749+	
ALU pump, hose kit (240425), PRO Xs4 electrostatic sprayer	289648+	289 649+	289641+	289631+	
233498	Hose set bundle, air hose (244448) + fluid hose (244447) CS-Fitting				
233499	Hose set bundle, air hose (244448) + fluid hose (277250) SST-Fitting				
240425	Hose set bundle, air hose (244965) + fluid hose (215637) MS-Fitting				
245082	Suction kit, ALU 1,2m, for 18,9 Litre pail				
245083	Suction kit, SST 1,2m, for 18,9 Litre pail				
245084	Suction kit, ALU 1,8m, for 200 Litre drum with acetal bung (188181 screw 111276)				
245085	Suction kit, SST 1,8m, for 200 Litre drum with acetal bung				
245081	Agitator Kit for Triton 308 Spray Packages				309306
245065	Repair Kit fluid side Diaphragm PTFE				
245066	Repair Kit Air Valve				

TRITON 3D150



Air Inlet: 1/4" NPT or 3/8" BSPP
Fluid Inlet: 3/4" NPT or M26x1,5 BSPP

Fluid Outlet: 3/8" NPT or BSPP
Recommended flow rate 3 l/min (20cycles/150cm³)
Temperature range: 10 – 80 °C
Suction lift: 1,5m dry / 6,5m wet



Manual: 311688
Declaration: 199061

Inlet fitting:
(198857 seal)
15A306 bspp
198855 npt

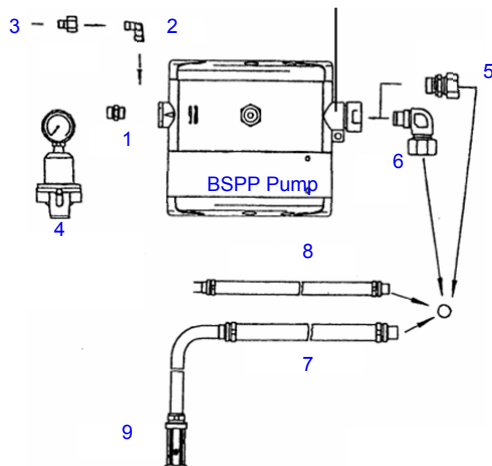
Outlet fitting:
(117036 seal)
15A290 bspp
198852 npt

Part No.	Description	Seat	Ball	Diaphragm
253704 BSPP	3:1 Triton, SST, fluid inlet M26x1,5 BSPP(f) and Fluid outlet 3/8" BSPP(f)	SST 1.4305	Acetal 197663	PTFE/NBR 246011
253705 NPT	3:1 Triton, SST fluid inlet 3/4" NPT(f) and Fluid outlet 3/8"NPT(f)	SST 1.4305	Acetal 197663	PTFE/NBR 246011
246011	Repair Kit fluid side Diaphragm PTFE			
245066	Repair Kit Air Valve			

Accessories:

246495	Bracket, wall mount
245067	Ball check valve repair kit
245083	Suction Hose, SST 18,9 Liter pail, 1,2m / Fitting 112100 & 116350 is required
245085	Suction Hose, SST 200 Liter pail, 1,8m / Fitting 112100 & 116350 is required
112100	Adapter Fitting, SST / use with bushing 116350 to connect 245083 and 245085 suction hose kit
116350	Pipe Bushing, SST / use with adapter fitting 112100 to connect 245083 and 245085 suction hose kit
224040	Runaway Valve Max. working pressure: 8.4 bar inlet and outlet: 3/4 npt(f).
238909	Grounding Wire and Clamp, 7.6 m (25 ft) wire

Accessories BSPP pump



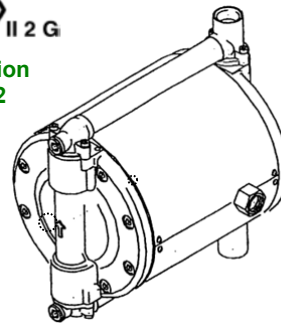
Pos.:	Description	No.
1	Nipple 8-G 3/8" SST	76640005001
2	Elbow 90° 3/8" SST	77214017003
3	Ball Nipple G3/8A SST	77254008003
4	Regulator SST	214895
5	Fitting GE22-ZLM-ED SST	75204010004
6	Elbow M 26x1,5 D22 SST	233888
	- Seal for 233888 NBR	75188097002
	- o-ring for 233888 Viton	117008
	- Union Nut for 233888	117323
7	Suction Hose/Tube:	
	30 Litre with sieve 1,8mm	245724
	200 Litre with sieve 1,8mm	245737
8	Suction Hose:	
	Ø 19mm (i), L1000, D22 SST	77848035009
	Ø 19mm (i), L1600, D22 SST	77848035010
9	Strainer:	
	(117 309) 1,8 Mesh with clamps	233946
	1,8 Mesh bare	117309
	1,0 Mesh bare	117439

TRITON 3D350

Max. 6 bar Air input / max.18bar fluid pressure
Air Inlet: 1/2" NPT or BSPP
Fluid Inlet: 1" NPT or BSPP
Fluid Outlet: 1" NPT or BSPP
Recommend flow rate 7 l/min (20cycles/350cm³)
Temperature range: 10 – 80 °C
Suction lift: 2,5m dry / 6,7m wet
Air Valve Kit 243153



Declaration
199062



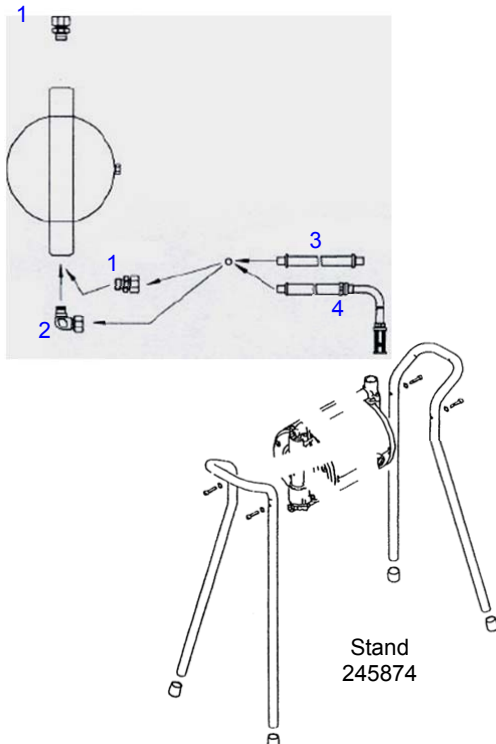
SST-pump contain fitting
253707 (fitting 15A790 BSPT)
253708 (fitting 15A044 NPT)

Manual: 311689

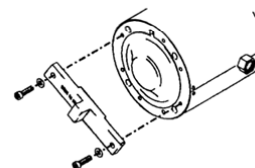
Part No.	Description	Seat	Ball	Diaphragm
253707 BSPT	3:1 Triton, SST, fluid inlet 1" BSPP(f) and Fluid outlet 1" BSPP(f)	SST 1.4542	Acetal 117004	PTFE/NBR 243152
253708 NPT	3:1 Triton, SST fluid inlet 1" NPT(f) and Fluid outlet 1"NPT(f)	SST 1.4542	Acetal 117004	PTFE/NBR 243152
243152	Repair Kit fluid side Diaphragm PTFE			
243153	Repair Kit Air Valve			

Accessories:

245875	Bracket, wall mount
245874	Stand
224040	Runaway Valve Max. working pressure: 8.4 barInlet and outlet: 3/4 npt(f).
261695	Installation Tool
243154	Ball check valve repair kit



Pos.	Description	Part No.
1	Fitting - Gasket for 15B285 - O-Ring for 15B285	15B285 75188097003 74186033020
2	Elbow G1 D28	77741131003
3	Suction Hose - 1600mm DN25 2x D28	77848035004
4	Suction hose / Tube: 30L with sieve 1,8 mesh 200L Strainer with clamps only Strainer 1,8 mesh	15B282 15B283 77647020005 117309

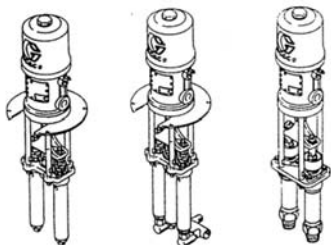


Installation tool
261695

TWO COMPONENT UNITS (FRHC & VRHC)

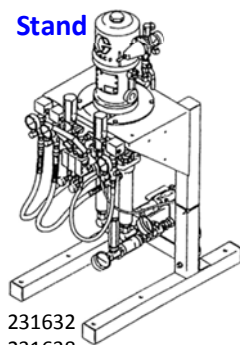
Fixed Ratio Hydra-Cat - Variable Ratio Hydra-Cat

President



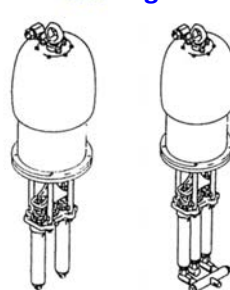
231645 231657 207914
231643 231663 903843
231646

**President
Stand**



231632
231638

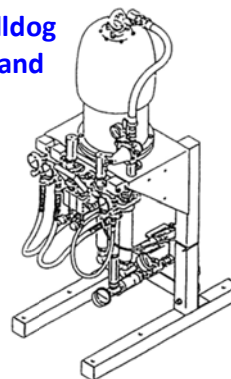
Bulldog



231897

231908
231912
231915
231910

**Bulldog
Stand**



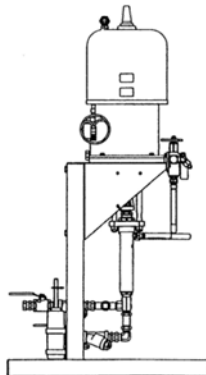
231876
231878
231880
231883

King



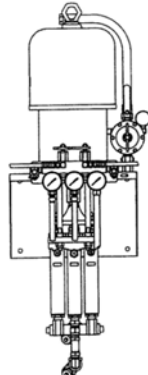
234922
234923
234924
231668

**King
Stand**



234932
234933
234934

**King
Wall mounted**



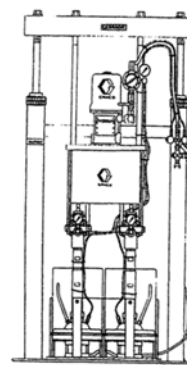
234992
234993
234994

Viscount II



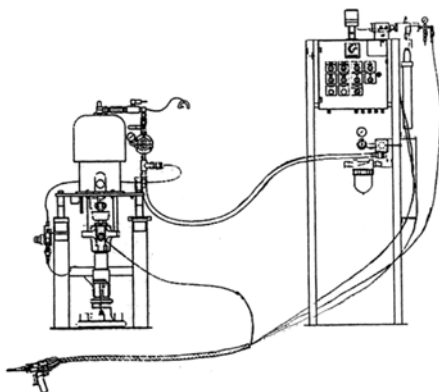
217337
246041

Extruder Module



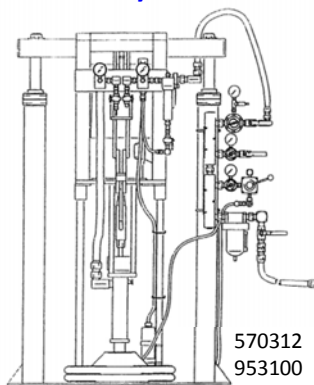
965119
570135

Precision Dose



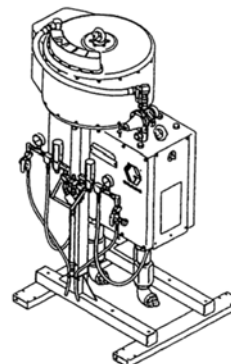
see configurator
manual 684039

Variable Hydra Mate



570312
953100
954900

**King / Premier
Frame**



965477 965481
965478 965479
965466



xxx xxx

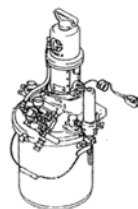
Isocyanat
Diaphragm Pump



Isocyanat
2:1 pump
295616
256200



6A-1



232434
Pail pump



106493
Dryer

18/12/12

TWO COMPONENT UNITS Fixed Ratio Hydra-Cat / Variable Ratio Hydra-Cat

Configurator (PDF):

Fix Ratio Hydra-Cat (FRHC)	309002	Hydra-Mate	684038
Variable Ratio Hydra-Cat (VRHC)	309024	P-Dose	684039
Variable Ratio Hydra-Cat (VRHC)	684025		

Part No.	Description	Manual
965119	Extrusion unit 1:1 President CS	310726
570135	Extrusion unit 1:1 President SST	310726
207914	President, pressure ratio 5:1, Ratio 1:1, 2 x No. 11, inlet 3/4"(F) or 3/4"NPT(M)	307001
903843	President, pressure ratio 5:1, Ratio 1:1, 2 x No. 11, inlet 1-1/2" NPT(M)	307001
231645	President, pressure ratio 19:1, Ratio 1:1, 2 x No. 7	308224
231643	President, pressure ratio 12:1, Ratio 1:1, 2 x No. 2	308224
231646	President, pressure ratio 26:1, Ratio 1:1, 2 x No. 9	
231657	President, pressure ratio 13:1, Ratio 2:1, 3 x No. 7	305597
231663	President, pressure ratio 10:1, Ratio 4:1, 2 x No. 2 and 1 x No. 9	
231910	Bulldog, pressure ratio 35:1, Ratio 2:1, 3 x No. 7	
231908	Bulldog, pressure ratio 23:1, Ratio 2:1, 3 x No. 2	
231912	Bulldog, pressure ratio 26:1, Ratio 3:1, 2 x No. 2 and 1 x No. 7	308225
231915	Bulldog, pressure ratio 28:1, Ratio 4:1, 2 x No. 2 and 1 x No. 9	
231897	Bulldog, pressure ratio 34:1, Ratio 1:1, 2 x No. 2	305597
234921	King, pressure ratio 68:1, Ratio 1:1, 2 x No. 2	310796
234922	King, pressure ratio 46:1, Ratio 2:1, 3 x No. 2	
234923	King, pressure ratio 50:1, Ratio 3:1, 2 x No. 2, + 1 x No. 7	
234924	King, pressure ratio 54:1, Ratio 4:1, 2 x No. 2, + 1 x No. 9 ca 212cc	
231668	King, pressure ratio 35:1, Ratio 4:1, 2 x No. 0, + 1 x No. 5 ca 344cc (210 b.)	308226
246611	King, pressure ratio 26:1, Ratio 1:1, 2 x lower 217339	307547
217337	Viscount II pump, pressure ratio 1.7:1, Ratio 1:1, max. fluid pressure 138bar	
246041	Viscount II pump, pressure ratio 2.76:1, Ratio 1:1, max. fluid pressure 210bar	307547
231632	President stand module, Ratio 13:1 lower 231657 (Wall mounted 231607)	308224
231638	President stand module, Ratio 10:1 lower 231663 (Wall mounted 231613)	
231876	Bulldog stand module, Ratio 23:1 pump 231908 (Wall mounted 231847), max 210bar	
231878	Bulldog stand module, Ratio 35:1 pump 231910 (Wall mounted 231849), max 210bar	
231880	Bulldog stand module, Ratio 26:1, pump 231912 (Wall mounted 231851), max 210bar	308225
231883	Bulldog stand module, Ratio 28:1, pump 231912 (Wall mounted 231854), max 210bar	
234931	King, stand module, Ratio 68:1, pump 234921 (Wall mounted 234991), max 345bar	310796
234932	King, stand module, Ratio 46:1, pump 234922 (Wall mounted 234992), max 317bar	
234933	King, stand module, Ratio 50:1, pump 234923 (Wall mounted 234993), max 345bar	
234934	King, stand module, Ratio 54:1, pump 234924 (Wall mounted 234994), max 345bar	
231291	King, stand module, Ratio 35:1, pump 231668 (Wall mounted 231286), max 210bar	308226
965481	Premier Frame III, Ratio 1.5:1 to 4.5:1, 368-502bar (max 345bar) without mixer	684025
965479	Premier Frame III, Ratio 2:1 to 6:1, 307-394bar (max 345bar) without mixing valve	6000206
965477	King Frame III, Ratio 1:1 to 3:1, 262 - 393 bar (max 345 bar) without mixing valve	684025
965478	King Frame III, Ratio 1.5:1 to 4.5:1, 210 - 286 bar	305745
965466	King Frame III, Ratio 3:1 to 9:1, 131 - 157 bar	
570312	25:1 Bulldog, var. Hydra-Mate, Ratio 3,7 - 8:1, main lower 222639 slave 948641	
953100	25:1 Bulldog, var. Hydra-Mate, Ratio 7,5 - 16:1, main lower 222639 slave 222017	308930
954900	50:1 King, var. Hydra-Mate, pressure ratio 50:1, Ratio 7,5 - 16,5:1 main lower 222639, slave 222017 (standard air motor)	308930

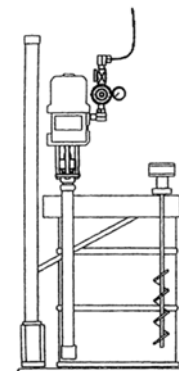
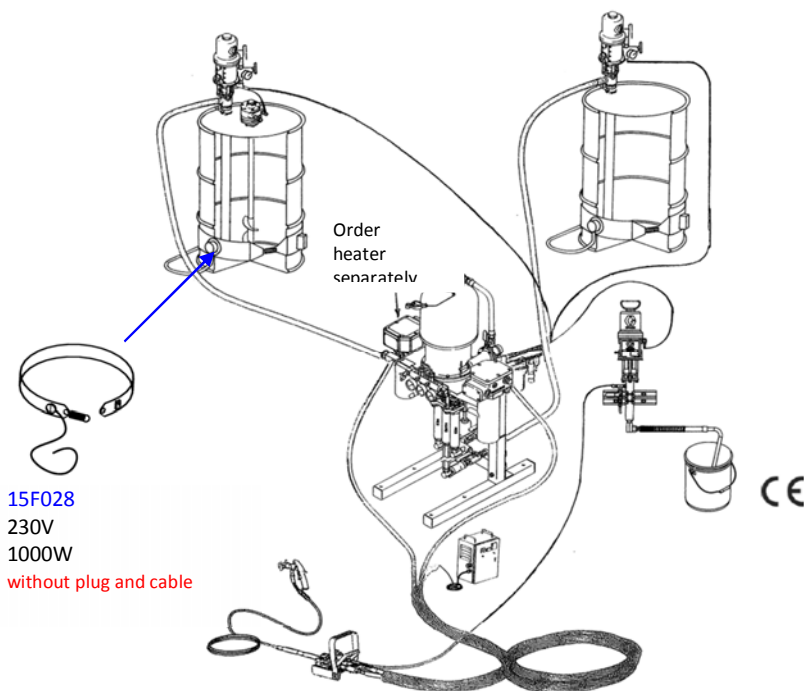
Accessories:

232434	23:1 Monark, scavenging pump pail unit	308765
106493	Air drier (desiccant 106498) 1x included in 217341	307548
256200	Transfer pump 2:1. For use with polyurethane foam, polyurea, and solvent-borne and water-borne materials, 95cm ³ /cycle (EX II 1/2 G T6)	312766
295616	Same like 256200 but 239cm ³ /cycle	311882
Xxx xxx	Isocyanat-diaphragm supply kit, Husky, 716, 1050, Triton 308	309815

222012	Lower No.# 2 CS / PTFE-UHMWPE Packing	Effective area in mm ² 357.44	307944
239388	Lower No.# 2 CS / PTFE-UHMWPE Packing	Effective area in mm ² 357.44	307944
222015	Lower No.# 5 CS / PTFE-UHMWPE Packing (948195)	Effective area in mm ² 285.81	307944
222017	Lower No.# 7 CS / PTFE-UHMWPE Packing (948197)	Effective area in mm ² 238.17	307944
222019	Lower No.# 9 CS / PTFE-UHMWPE Packing	Effective area in mm ² 178.72	307944
948640	Lower No.# 0 CS / PTFE-UHMWPE Packing	Effective area in mm ² 570.00	307944
904287	Lower No.# 11 SST / PTFE Packing	Effective area in mm ² 953.60	307430

SST= Stainless Steel

TWO COMPONENT UNITS - QUICK SET



accessories:
lift, agitator, drum cover

Part No.	Description	Manual
248835	Hydra Cat, King stand unit , Ratio 2:1, pressure ratio 46:1, max 317 bar, included: Stand-module 234932 with pump 234922, supply pump, scavenging pump, agitator, Air hose kit, heated hose kit 15 m, heater control-Box, material – sensor, mix valve kit, Static-Mixer, 1,8 m ¼" whipped hose and airless gun	310794 EC-Decl. 193731
248836	Hydra Cat, King stand unit , Ratio 3:1, pressure ratio 50:1, max 345 bar, included: Stand-module 234933 with pump 234923, supply pump, scavenging pump, agitator, Air hose kit, heated hose kit 15 m, heater control-Box, material – sensor, mix valve kit, Static-Mixer, 1,8 m ¼" whipped hose and airless gun	310794 EC-Decl. 193731

Manuals:

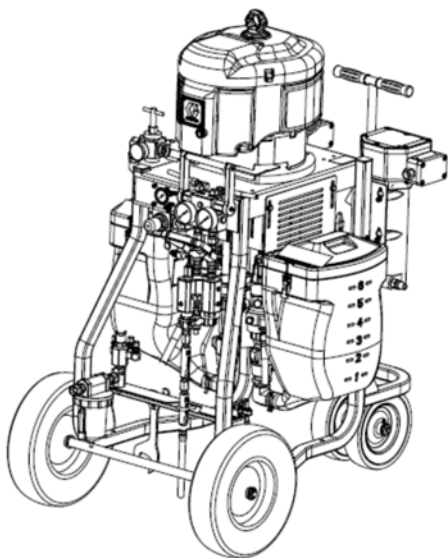
Hydra Cat	310795
Feed and solvent flush kits	310836
Viscount heater	309524
Heater installation kit	310677
Heated hose control	310798
Heated hose	309572
Agitator kit	310863
Mix Manifold kit	310797
Air supply kit	309827

XP 70 Plural-Component Sprayer

Sprayer: **Manual 3A0420**
 Package: **Manual 3A1388**

Complete mechanical fixed ratio plural-component sprayer used for proportioning, mixing and spraying two component quick setting materials.

XP70 Sprayer shown complete Sprayer packages



II 2 G c IIA T2



HO03

Manual	Description
311762	Xtreme® Displacement Pumps
311328	NXT® Air Motor
3A0590	Mix Manifold
312747	20 Gallon Double Wall Hopper Kit
309524	Viscon® HP Heater
312145	XTR™ 5 and XTR™ 7 Spray Guns
312769	Feed Pump and Agitator Kits
312794	Merkur® Pump Assembly
310863	Feed and Solvent Flush Kits
406860	7-Gallon Hopper Installation Kit
406739	Desiccant Kit
309852	Polyurethane Circulation and Return Tube Kits,
406861	Viscon HP Heater Adapter Kit,
3A0421	Ratio Check Kit,
3A1331	XP Pressure Monitor kit
309525	Heated Hose Kit,
309964	Gun Splitter Valve with Independent Flush,
311486	DataTrak™ Conversion Kit,
339361	High Pressure Hose and Accessories
199349	EC-declaration

Technical Data :

Air consumption:	0.56 m ³ /min (at 7 bar)	Air inlet	3/4" npsm (f)
Fluid pump inlets (for non-hopper models)	1-1/4" npt (m)	Fluid gauge manifold "A" and "B" outlets	1/2" npt (f)
Max fluid temperature	71°C (160°F)	Fluid gauge manifold	1/4" npt (m)
Fluid viscosity range (gravity feed hoppers)		200-20,000 cps (pourable)	
Higher viscosities with pump feed		Pump feed recommended for mix-at-the-gun applications to pre-compress fluids	
Max recommended feed pressure		Less than 15% of outlet pressure	
Hazardous areas		Ex II 2 G	
Wetted parts: Hard parts / Nickel or zinc plated carbon steels, stainless steels, carbide Soft parts / PTFE, UHMWPE, nylon, acetal, solvent resistant o-rings			



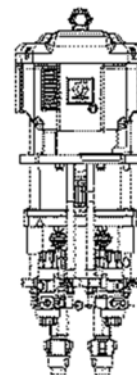
XP 70 Plural-Component Sprayer

Sprayer: **Manual 3A0420**

Package: **Manual 3A1388**

Bare Proportioning Pump Packages

Pump	Mix Ratio	Ratio / Max press.	Motor 311238	Lower 1	Lower 2	Fluid Output	
				Rep kit	Rep kit	cc / cycle	l/min
571100 (258914)	1:1	76:1	N65DN0	L085C0	L085C0	173	6,8
		500 bar		262507	262507		
571150 (258915)	1,5:1	91:1		L085C0	L058C0	144	5,6
		500 bar		262507	262507		
571200 (258916)	2:1	76:1		L115C0	L058C0	174	6,8
		500 bar		262508	262506		
571250 (258917)	2,5:1	65:1		L14AC0	L058C0	203	7,9
		448 bar		262510	262506		
571300 (258918)	3:1	68:1		L14AC0	L048C0	193	7,5
		448 bar		262510	262505		
571400 (258919)	4:1	73:1		L14AC0	L036C0	181	7,1
		500 bar		262510	262504		



All Xtreme XP pump lowers include built-in filter and Tuff-Stack™ (carbon filled PTFE packings)

B-Side rupture disc

258962 345 bar (brown), for pump L058C0 / L048C0 / L036C0

Cart-Mounted XP70 Sprayers

Manual 3A0420

Sprayer	Mix Ratio	Pressure Ratio	Pump	Hopper 26,5 Litre		3X Mixer housing	Hose		Gun
		Max Pressure		blue	green		7,6m	0,9 m	
571101	1:1	76:1	571100	---	---	Static Mixer 262478 248927 element, 25 pack	H73825 I.D 3/8" 50 0 bar	H72510 I.D 1/4" 500 bar	XTR704 Tip: XHD519
571102		500 bar		262479	262480				
571151	1,5:1	91:1	571150	---	---				
571152		500 bar		262479	262480				
571201	2:1	76:1	571200	---	---				
571202		500 bar		262479	262480				
571251	2,5:1	65:1	571250	---	---				
571252		448 bar		262479	262480				
571301	3:1	68:1	571300	---	---				
571302		448 bar		262479	262480				
571401	4:1	73:1	571400	---	---				
571402		500 bar		262479	262480				

All XP70 sprayers include: Static mixers, 7,6m hose, 0,9 m whip hose, and XTR 704 Sprayer

Complete Cart-Mounted XP70 Packages

Manual 3A1388

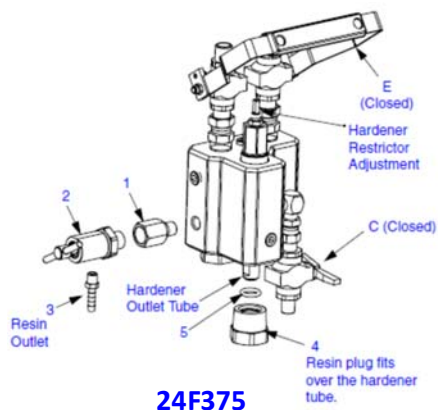
Packages	Mix Ratio	Sprayer	Pump	Hopper 26,5 Litre		Flush Pump	Heater A + B
				blue	green	Merkur 45:1	Atex 240V
571103	1:1	571101	571100	no hoppers		Pump 262392 (312794)	245863 (309524)
571104		571102		262479	262480		
571203	2:1	571201	571200	no hoppers		Motor M12FN0 (312796)	&
571204		571202		262479	262480		
571303	3:1	571301	571300	no hoppers		Lower LW050A (312792)	262450 (406861)
571304		571302		262479	262480		
571403	4:1	571401	571400	no hoppers			
571404		571402		262479	262480		

All XP70 sprayers include: Static mixers, 7,6m hose, 0,9 m whip hose, and XTR 704 Sprayer

Accessories and Kits

Solvent Flush Kit				manual
262393	Merkur 45:1. Mounts to XP cart. Includes air controls, pail siphon, prime valve and 0.9 m hose to mix manifold			310863
Heating kits				
262450	Heater mounting kit, (no heater), Includes hose and fittings to mount one heater on the XP cart			406861
245848	Viscon fluid heater, Hazardous location , 120 VAC single phase, 2300 watts, 19.2 amps			309524
245863	Viscon fluid heater, Hazardous location , 240 VAC single phase, 4000 watts, 16.7 amps			
245867	Viscon fluid heater, Non-Hazardous location , 120 VAC single phase, 2300 watts, 19.2 amps			
245869	Viscon fluid heater, Non-Hazardous location , 240 VAC single phase, 4000 watts, 16.7 amps			
15F028	Band Heaters, Non-Hazardous location , 1000W, 240V			
accessories				
262940†	Pressure monitor kit for line power (with light tower)			3A1331
262942†	Pressure monitor kit for air turbine power (with light tower)			3A1331
234026	Gun Splitter, one splitter valve to use two spray guns			309964
258989	Remote Mix manifold, no carriage			3A0590
262522	Carriage only - no mix manifold			
24F376	Hopper Kit with bracket and hardware to mount on an XP cart) blue for resin side			406860
24F377	Hopper Kit with bracket and hardware to mount on an XP cart) Green for hardener side			
262454	Desiccant dryer kit. Bulkhead fitting and 2-pack of cartridges for one hopper			406861
119974	Replacement 2-pack of desiccant cartridges			
NXT606	DataTrak Conversion kit			311486
Recommended Spare Parts				
	Pump Filter O-rings (packs of 10)			
262483	Top O-Ring			
244895	Middle O-Ring			
262484	Bottom O-Ring			
	Mix Manifold Inlet Ball Valves			
237917	237917, Ball valve repair kit			
248876	248876, Spare valve (no handle)			
237304	237304, Spare valve (single handle)			
262520	Recirculation/Overpressure valve			
248927	Spare Mix Elements, (pack of 25)			
248837	XTR7 Spray Gun Repair Kit	XHD010	Seat/Seal Kit for XHD(5pack)	312145
262520	Recirculation/Overpressure valve			
Pump Kit, for supplying				
256276	5:1 Feed Pump Kit, for supplying viscous materials from a drum to a XP70 sprayer			312769
256255	5:1 Drum Feed Kit, one 5:1 pump feed kit and one Twistork agitator kit for mixing and supplying viscous materials from a 55-gallon drum to a XP70 sprayer			
256433	10:1 Drum Feed Kit, For supplying highly viscous material from a 55-gallon drum to a XP70 sprayer			
256275	2:1 Feed Pump Kit, for supplying viscous materials from a drum to a XP70 sprayer			
256232	2:1 Drum Feed Kit, one T2 pump feed kit and one Twistork agitator kit for mixing and supplying viscous materials from a 55-gallon drum to a XP70 sprayer			

† Adding one of these 2 kits voids ATEX certification of the XP unit.



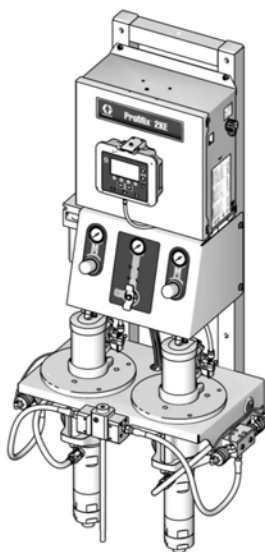
ProMix® 2KE

Pump-Based Plural Component Proportioner

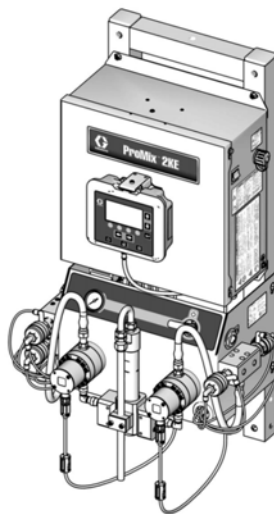
Manuals:

Operation Pump-Based	3A0868
Operation Meter-Based	3A0869
Repair/Parts	3A0870

Pump Based



Meter Based



Technical data:

Mix ratio range: For pump system 0,1:1 - 30:1 (in 0.1 increments) For meter system 0,1:1 - 30:1 (in 0.1 increments)		Ratio tolerance: Ratio tolerance up to $\pm 2.0\%$ Ratio tolerance up to $\pm 1\%$	
Flow rates:			Max fluid outlet pressure:
For meter system:	min.: 0.02 liter/min	max.: 3.8 liter/min	206 bar
For pump system 3:1 :		max.: 7.6 liter/min	17 bar
For pump system 23:1 :		max.: 6.0 liter/min	158 bar
For pump system 30:1 :		max.: 4.5 liter/min	206 bar
For pump system 35:1 :		max.: 6.0 liter/min	234 bar
For pump system 45:1 :		max.: 3.0 liter/min	280 bar
Fluid viscosity range: 50-20,000 cps			
Wetted parts: SST, zinc and nickel plating, ductile iron, tungsten carbide, PTFE, perfluoroelastomer,			

Note: 45:1 is only for Airless !!!

ProMix® 2KE

Note: The 3:1 Merkur Pump is in fact a 3,1:1 Pump (lower 125cc) !

The 3:1 Merkur Bellows is in fact a 2,9:1 Pump (lower 150cc) !

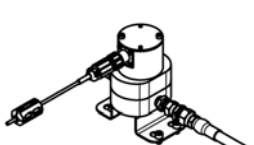
Pump-Based Plural Component Proportioner

Approved for Hazardous Location				
Part No	Description			
24F102	3:1 Merkur	Lower A: LW125A	Lower B: LW125A	Air Motor: M02LH0
24F109		same as before but with USB port		
24F103	23:1 Merkur	Lower A: LW100A	Lower B: LW100A	Air Motor: M12LN0
24F110		same as before but with USB port		
24F104	30:1 Merkur	Lower A: LW075A	Lower B: LW075A	Air Motor: M12LN0
24F111		same as before but with USB port		
24F105	45:1 Merkur	Lower A: LW050A	Lower B: LW050A	Air Motor: M12LN0
24F112	AIRLESS	same as before but with USB port		
24F106	3:1 Merkur	Lower A: LW150A	Lower B: LB150B	Air Motor: M02LH0
24F113	Bellows	same as before but with USB port		
24F107	23:1 Merkur	Lower A: LW100A	Lower B: LB100B	Air Motor: M12LN0
24F114	Bellows	same as before but with USB port		
24F108	35:1 Merkur	Lower A: LW100A	Lower B: LB100B	Air Motor: M18LN0
24F115	Bellows	same as before but with USB port		
Approved for Non-Hazardous Location				
Part No	Description			
24F088	3:1 Merkur	Lower A: LW125A	Lower B: LW125A	Air Motor: M02LH0
24F095		same as before but with USB port		
24F089	23:1 Merkur	Lower A: LW100A	Lower B: LW100A	Air Motor: M12LN0
24F096		same as before but with USB port		
24F090	30:1 Merkur	Lower A: LW075A	Lower B: LW075A	Air Motor: M12LN0
24F097		same as before but with USB port		
24F091	45:1 Merkur	Lower A: LW050A	Lower B: LW050A	Air Motor: M12LN0
24F098	AIRLESS	same as before but with USB port		
24F092	3:1 Merkur	Lower A: LW150A	Lower B: LB150B	Air Motor: M02LH0
24F099	Bellows	same as before but with USB port		
24F093	23:1 Merkur	Lower A: LW100A	Lower B: LB100B	Air Motor: M12LN0
24F100	Bellows	same as before but with USB port		
24F094	35:1 Merkur	Lower A: LW100A	Lower B: LB100B	Air Motor: M18LN0
24F101	Bellows	same as before but with USB port		
Approved for Hazardous Location				
Part No	Description			
24F084	Meter-Based	1 Color/Catalyst	2x G-3000 (289813)	
24F086		1 Color/Catalyst same as before but with USB port		
24F085		3 Color/Catalyst,	2x G-3000 (289813)	
24F087		3 Color/Catalyst, same as before but with USB port		
Approved for Non-Hazardous Location				
Part No	Description			
24F080	Meter-Based	1 Color/Catalyst	2x G-3000 (289813)	
24F081		1 Color/Catalyst same as before but with USB port		
24F082		3 Color/Catalyst,	2x G-3000 (289813)	
24F083		3 Color/Catalyst, same as before but with USB port		

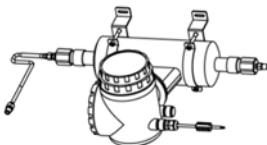
ProMix® 2KE

Meter Kits

Part No.	Description	Manual
15V806	1/8" Coriolis flow Meter (EC-199266)	313599
16D329	S3000 (Solvent) Flow Meter	



15D329



15V806

Dosing Kits (Contains fluid manifold hardware)

Part No.	Description	Manual
+ 15V021	50 cc Sequential Dosing, (only for meter version)	406709
+ 24B618	100 cc Sequential Dosing, (only for meter version)	
+ 15U955	0 cc Dynamic Dosing	

The meter version can be used with sequential and dynamic dosing

The pump version can be used with dynamic dosing only.

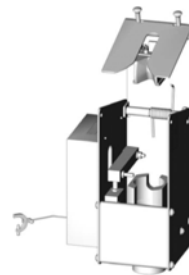
+ not shown

Gun Flush Box & Gun Holders

Part No.	Description	Manual
15V826	Gun Flush Box Kit without gun holder	312784
+ 198787	Graco Pro Xs2	
+ 198405	Graco Pro Xs3, Graco Pro Xs4, Xs4 AA	
+ 196768	Graco PRO 3500, 3500hc, 4500	
+ 15T646	Graco Airpro Air Spray	
+ 196769	Graco Delta Air Spray	
+ 196770	Graco Alpha	
+ 196771	Graco Alpha Plus, Alpha Plus RAC	
+ 15G093	Graco G15	
+ 15G346	Graco G40, G40 RAC	

+ not shown

Gun Flush Box

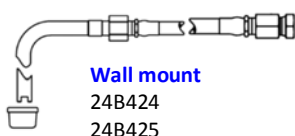


15V826

Pump Accessories

Part No.	Description	Manual
256410	Hopper 5L. polyethylene	
+ 243340	Pail Cover with Agitator	406488
222121	Fluid regulator, Use to agitate material in a 18.9L. pail	307886
+ 24A587	Fluid Regulator, Stainless Steel, 60 mesh (250 micron), 5000 psi (350 bar, 25 Mpa)	
+ 256425	Fluid Filter Drain Valve, Stainless Steel 5000 psi (350 bar, 25 Mpa)	312797
+ 224458	224458 Replacement Filter Screen Element, 3-pack elements, 30 mesh, SST	
+ 224459	Replacement Filter Screen Element 3-pack elements, 60 mesh, SST	
+ 24A954	200L. Drum Suction Hose and Strainer, 3/4 in. fluid inlet	
+ 24B598	200L. Drum Suction Hose and Strainer, 1 in. fluid inlet	
24B424	PTFE lined suction hose for wall fluid mount pump, 3/4 in. inlet, SST	
24B425	PTFE lined suction hose for wall fluid mount pump, 1 in. inlet, SST	
24B337	PTFE lined suction hose for cart fluid mount pump, 3/4 in. inlet, SST	
24B338	PTFE lined suction hose for cart fluid mount pump, 1 in. inlet, SST	
+ 256423	Suction Hose, 3/4 in. inlet	

+ not shown



Wall mount

24B424

24B425



Cart mount

24B337

24B338



222121

Hopper



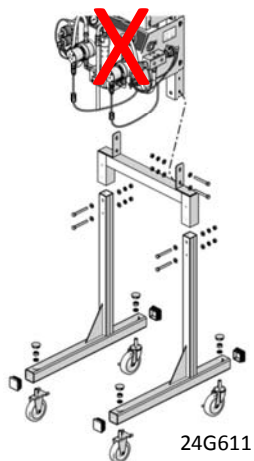
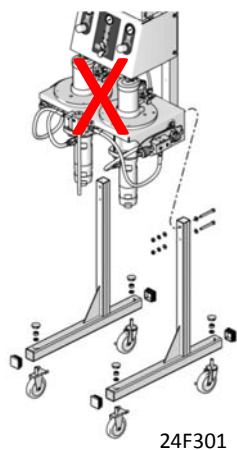
256410

ProMix® 2KE

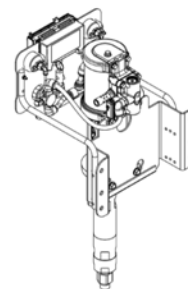
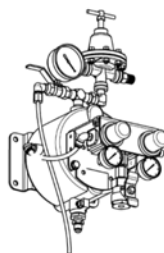
Miscellaneous Kits

Part No.	Description	Manual
233488	Triton Pump 1:1, Solvent Pumps	309304
G15W09	Merkur Pump, 15:1 Solvent Pumps (small bracket)	312797
24F301	Pump Stand Kit	3A1325
24A578	Kit Wall mount	
24G611	Meter Stand Kit	
24H253	USB Kit	
16G351	Electric Power Kit	406906
16G353	Alternator Power Kit	406909
280573	Calibration Kit	406908
+24H255	3 Color Valve Stack Expansion Kit	3A1332
+123280	15m CAN Cable - IS	
+15U533	15m CAN Cable – non IS	
+15D909	5 Micron Air Filter Replacement	+15D890 40 Micron Air Filter Replacement
+248433	5 and 40 Micron Filter Kit	
+24H256	High Pressure Hose Kit (incl. 2x H42503)	
15W034	Alarm Light (also Kit Bacon 2KS)	
+15T632	Airflow Switch Kit	406719
15V077	Kit, Valve, Acid	406713
+24G821	Paint Shield, 10 pack	

+ not shown



Hopper



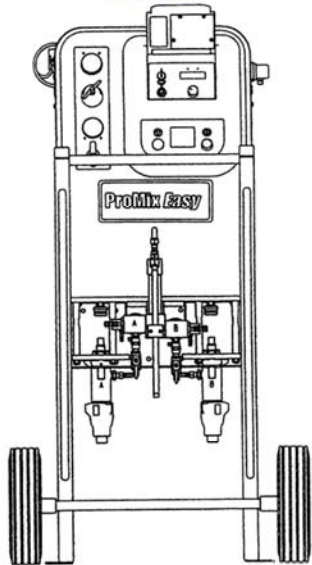
Gear Meters & Flow Meters

Part No.	Description	Flow rate (cm³/min)		Viscosity		Max pressure	K-factor	Manual
		min:	max:	min:	max:			
239716	G3000	75	3800	20	3000	276bar	0,119	308778
244292	G3000 HR	38	1900	20	3000	276bar	0,061	308778
249426	G250	75	3800	20	3000	17bar	0,119	308778
249427	G250 HR	38	1900	20	3000	17bar	0,061	308778
195568	Kracht	50	2000	20	1000	80bar	0,1	None
116161	Piston	40	10000	0,3	20	210bar	0,105	309148
246190	HG 6000	50	22712	30	1mill.	410bar	0,286	309834
246652	HG 6000 HR	25	7571	30	1mill.	410bar	0,143	309834
246340	HG 6000 Heated	50	22712	30	1mill.	410bar	0,286	309834
258150	1/8" Coriolis			1	2000	160bar	0,061	313599
258151	3/8" Coriolis			0,1	10000	160bar	0,061	313599
116158	Coriolis	40	2000	1	2000	345bar	0,061	309234
15D135	Coriolis	40	2000	1	2000	160bar	0,061	309234

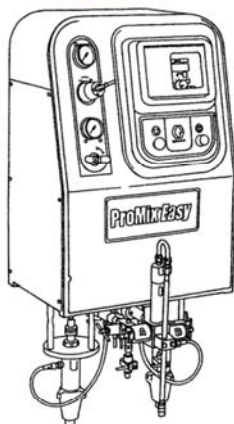
for more information see page 7-7 (Informer)

TWO COMPONENT UNITS - PROMIX EASY

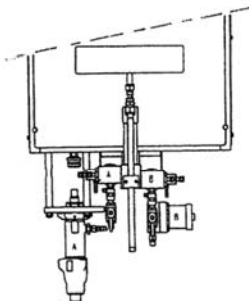
Cart
mounted



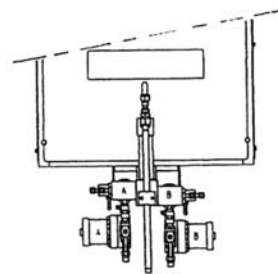
CE Wall
mounted



Hybrite-Unit



Flow Meter Unit



Flow Meter A + Flow Meter B

Ratio - 0,1 - 30 : 1
Tolerance: +/- 1 %
Viscosity 20 - 3000 cP

Lower A + fluid meter B

Ratio - 0,1 - 10:1
Tolerance +/- 5 %
A- Viscosity 50 - 20 000 cP
B-Viscosity 20 - 3000 cP

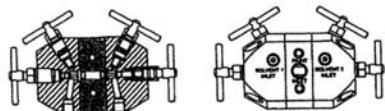
Lower A + lower B

Ratio - 0,1 - 10 : 1
Tolerance: +/- 5 %
Viscosity range 50 - 20.000 cP
Flow rate: 0,02-2,8 l/min

Obsolete

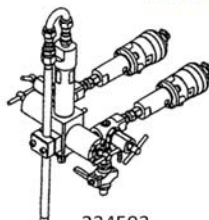
Replaced by ProMix 2KE

Splitter two guns

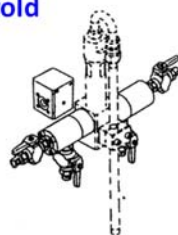


234026

Mix Manifold



234593
234451



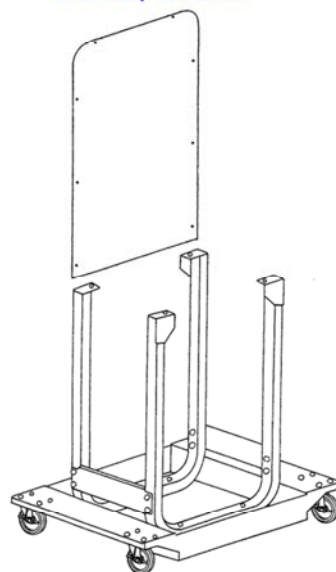
248397

TSL Pump Kit
Hydra Mix
Ultra Mix



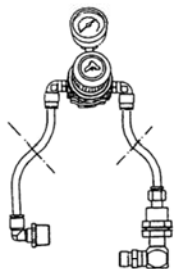
248583
248427

Stand kit/ Caster kit



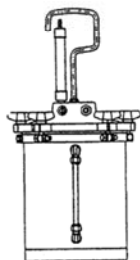
248400
248401

Gun
Air regulator kit



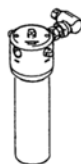
248587
248588

Pressure pot



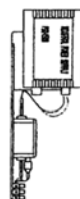
248224
248225

Fluid filter



248851

Power
supply



248398

TWO COMPONENT UNITS - PRO MIX EASY

Part No.	Description	Manual 309908 B 309909 T	Max Pressure
Unite, approved for hazardous loc ^z   ISSeP 04 Atex020X EEx ia p IIA T3			
234596	Cart mounted with Ultra Mix- CS-lower, 7,5 m hose set, material regulator, Delta HVLP air gun 239561,		17 bar
234618*	Wall mount, 2 p. flow meter G3000, proportional mixer CS		17-275 bar
234619*	Wall mount, 2 p. flow meter G3000, proportional mixer SST		17-275 bar
234599*	Wall mount, 2 p. 2.5:1 Ultra Mix CS-lower incl. sensor, proportional mixer,		17 bar
234601*	Wall mount, 2 p. 2.5:1 Ultra Mix SST-lower incl. sensor, proportional mixer,		17 bar
234606*	Wall mount, 2 p. Hydra Mix 500 (248572) CS-lower incl. sensor, proportional mixer		165 bar
234608*	Wall mount, 2 p. Hydra Mix 500 (248573) SST-lower incl. sensor, proportional mixer		165 bar
234609*	Wall mount, 2 p. Hydra Mix 600 (248574) CS-lower incl. sensor, proportional mixer		234 bar
234611*	Wall mount, 2 p. Hydra Mix 600 (248575) SST-lower incl. sensor, proportional mixer		234 bar
234612*	Wall mount, 2 p. Hydra Mix 700 CS-lower (248576) incl. sensor, proportional mixer		324 bar
234613*	Wall mount, 2 p. Hydra Mix 700 SST-lower (248577) incl. sensor, proportional mixer		324 bar
234597*	Wall mount, 1p. 2.5:1 Ultra Mix CS-lower with sensor, 1p. G3000 flow meter, proportional mixer		17 bar
234598*	Wall mount, 1p. 2.5:1 Ultra Mix SST-lower with sensor, 1p. G3000 flow meter, proportional mixer		17 bar
234603*	Wall mount, 1p. Hydra Mix 500 (248573) SST-lower incl. sensor, 1p. G3000 flow meter, proportional mixer		165 bar
234602*	Wall mount, 1p. Hydra Mix 500 (248572) lower incl. sensor, 1p. G3000 flow meter, proportional mixer		165 bar
234604*	Wall mount, 1p. Hydra Mix 600 CS-lower (248574) incl. sensor, 1p. G3000 flow meter, proportional mixer		234 bar
234605*	Wall mount, 1p. Hydra Mix 600 SST-lower (248575) incl. sensor, 1p. G3000 flow meter, proportional mixer		234 bar

Unit, approved for non hazardous location

234600*	Wall mount with two Ultra Mix lower (248570) incl. sensor,	17 bar
234825*	Wall mount with two Ultra Mix lower SST (248571) incl. sensor,	17 bar
234607*	Wall mount with two Hydra Mix 500 lower (248572) incl. sensor,	165 bar
234826*	Wall mount with two Hydra Mix 500 lower SST (248573) incl. sensor,	165 bar
234610*	Wall mount with two Hydra Mix 600 lower (248574) incl. sensor,	234 bar
234827*	Wall mount with two Hydra Mix 600 lower SST (248575) incl. sensor,	234 bar

*Wall mount without accessories

Part No.	Accessories	manual
248403 248404	Reporting kit(†) incl. CD (15E074) a. RS-232 (cable barrier 15B816) for hazardous location Such as 248403 but for non hazardous location (cable 15A926)	309623
248349	Main- board for Xtreme Mix 185 † = needed by change the board	309909
234593 234451	proportional mixer, (dose valve 287222 see 310655) proportional mixer, SST (dose valve 287222 see 310655)	310654
248397	Remote mix manifold	310676
248652	Circulation kit	310673
248583	TSL-pump kit, for Ultra Mix lower	310678
248427	TSL-pump kit, for Hydra Mix lower	310675
248398	Power supply kit, for non hazardous location	310700
248587	Gun air regulator kit for flow meter unit's,	310800
248588	Gun air regulator kit for flow meter unit's,	307273
249076	Auto flush kit for Pro-Mix Easy	309964
248851	HD-fluid filter, SST, 30 Mesh, 3/8"NPT(m) inlet, 3/8" and 1/4"NPT(f) outlet, 90° swivel,	309192
234026	Splitter for two gun	310674
248224	Pressure pot 9,5 L, alum. with air drier, without regulator	310671
248225	Pressure pot 19,0 L, alum. with air drier, without regulator	310662
248399	2-wheel-cart incl. backside cover plate	310672
248400	Stand incl. backside cover plate	
248401	4 wheel (without stand)	
	Ultra Mix pump, fluid inlet 3/4"NPT(m) outlet 1/4"NPT(f)	
	Hydra Mix pump, fluid inlet 1"NPS(m), outlet 3/8"NPT(f)	
	Lower	

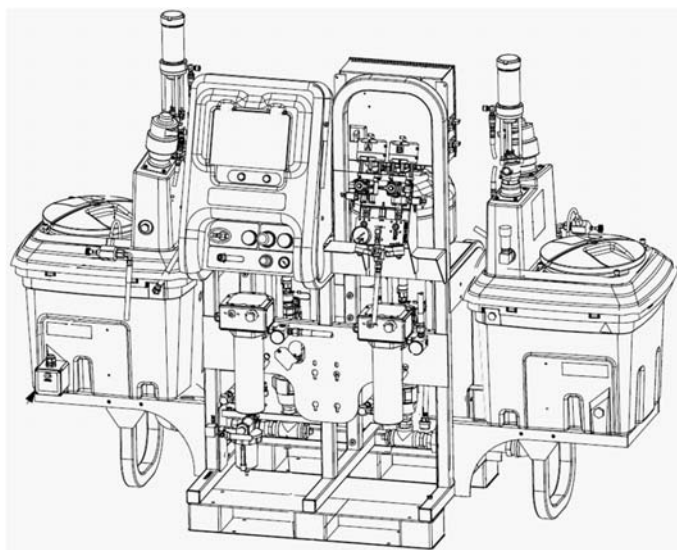
XM - Plural-Component Sprayer

Manual 312359

Repair 313289

Select the unit via configuration !!!

http://www.graco.com/Internet/T_PDB.nsf/XM.html



Related Manuals:

XM Plural-Component Sprayers Repair-Parts	313289
XM Plural-Component OEM Sprayers Instructions-Parts	313292
Xtreme® Displacement Pumps Instructions-Parts	311762
NXT™ Air Motor Instructions-Parts	311328
Double Wall Hopper Kit Instructions-Parts	312747
Viscon® HP Heater Instructions-Parts	309524
XTR™ 5 and XTR™ 7 Spray Guns Instructions-Parts	312145
Feed Pump and Agitator Kits Instructions-Parts	312769
Merkur® Pump Assembly Instructions-Parts	312794
7-Gallon Hopper Installation Kit Instructions-Parts	406699
Desiccant Kit Instructions-Parts	406739
Caster Kit Instructions-Parts (4 wheels)	406690
Hose Rack Kit Instructions-Parts	406691
Electric Heated Hose Power Supply Kit	313258
Hopper or Hose Heat Circulation Kit	313259
Lower Strainer and Valve Kit	312770
XM Mix Manifold Kit	312749
Alternator Conversion Kits	313293
Dosing Valve Repair Kit	313342
High Flow Severe Duty Shutoff Check Valve Repair	313343



Intrinsically safe for Class I, Div 1, Group D, T2
Class I, Division 1, Group D, T2
Ta = 0°C to 54°C



FM09ATEX0015X

II 2 G

Ex d ia px IIA T2 Tamb = 0°C to 54°C

Technical data:

Mix ratio range:	1:1 - 10:1 (in 0,1 increments)
Ratio tolerance range:	+/- 5%
Flow rates: Minimum:	0.95 litre/min
Fluid viscosity range:	Maximum: 11.4 litre/min
Air inlet :	200-20,000 cps
Fluid inlets without feed kits:	3/4 npt(f)
Maximum fluid working - pressure of mixed material	1 1/4 npt(m)
Maximum fluid temperature:	50:1 (358 bar) max 7,0 bar pump air set pressure
Maximum pump inlet fluid feed pressure:	70:1 (435 bar) max 6,2 bar pump air set pressure
Maximum air consumption at 7.0 bar:	71° C
	17 bar
	1,96 m³ / min

XM - Plural-Component Sprayer

Key Code XM – Unit's

XM

X

X

XX

First & second digit

Third digit

Fourth digit

Fifth and sixth digit

XM	X Third digit				X Fourth digit	
First & second digit			C4 = with Filter C3 = without Filter		hazardous location non hazardous location	
			A	B		
XM plural component sprayer mounted on a frame	1	50:1	L250C4	L220C4	Standard	A Power Supply
	2	358Bar	L250C3	L220C3		B Power Supply / with heaters / E-Box
	3	70:1	L180C4	L145C4		D Alternator
	4	434 Bar	L180C3	L145C3		E Alternator / with heaters
	5	50:1	L250C4	L220C4	Remote	
	6	358 Bar	L250C3	L220C3		
	7	70:1	L180C4	L145C4		
	8	434 Bar	L180C3	L145C3		

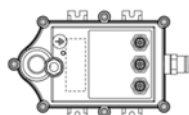
XX Fifth and sixth digit	Hopper 75 Liter 255963 (312747)	Hopper heater 256257 (312747)	Hopper fluid inlet 256170 (312747)	Hopper mount 256259 (312747)	Agitator 256274 (312769)	T2 Pump 256275 (312769)	5:1 Pump 256276 (312769)	Hopper 26 Liter 256260 (406999)	Drum Feed T2 & Agitator 256232 (312769)	Drum Feed 5:1 & Agitator 256255 (312769)	Heated Hopper circulation 256273 (31259)
00	---	---	---	---	---	---	---	---	---	---	---
11	1 p.	---	1 p.	1 p.	1 p.	---	---	1 p.	---	---	---
13	1 p.	---	---	1 p.	1 p.	---	1 p.	1 p.	---	---	---
14	1 p.	1 p.	1 p.	1 p.	1 p.	---	---	1 p.	---	---	---
15	1 p.	1 p.	---	1 p.	1 p.	1 p.	---	1 p.	---	---	---
16	1 p.	1 p.	---	1 p.	1 p.	---	1 p.	1 p.	---	---	---
17	1 p.	---	1 p.	1 p.	1 p.	---	---	1 p.	---	---	1 p.
19	1 p.	---	---	1 p.	1 p.	---	1 p.	---	---	---	1 p.
21	2 p.	---	2 p.	2 p.	2 p.	---	---	---	---	---	---
23	2 p.	---	---	2 p.	2 p.	---	2 p.	---	---	---	---
24	2 p.	2 p.	2 p.	2 p.	2 p.	---	---	---	---	---	---
25	2 p.	2 p.	---	2 p.	2 p.	2 p.	---	---	---	---	---
26	2 p.	2 p.	---	2 p.	2 p.	---	2 p.	---	---	---	---
27	2 p.	---	2 p.	2 p.	2 p.	---	---	---	---	---	1 p.
29	2 p.	---	---	2 p.	2 p.	---	2 p.	---	---	---	1 p.
30	---	---	---	---	---	---	---	---	2 p.	---	---
31	---	---	---	---	---	---	---	---	---	2 p.	---

XM - Plural-Component Sprayer

Accessories

Part No.	Description	Manual
W30CAS	Flush pump Merkur 30:1 (M12LN0 + LW075A) (Rep kit lower 24A538)	312794
256275 +	T2 Transfer pump kit - 2:1, Pump 295616 (Rep kit lower 258003)	311882
256232 +	Drum Feed with T2 pump (256275) & Agitator (256274)	312769
256276 +	Monark 5:1 Transfer pump kit, Pump 218956 (Rep kit lower 208520)	307044
256255 +	Drum Feed with 5:1 Monark pump (256276) & Agitator (256274)	312769
256274 +	Agitator Kit, (Agitator 224854 CS, Air Motor 111310, (Rep kit Motor 224954)	308175
256433 +	Drum Feed with 10:1 President pump (239326)	312769
239326 +	10:1 President, Air Motor 207352 / Lower 220465 (Rep kit lower 208520)	308738
255963	Hopper double wall, 76 Liter (without heater)	312747
256257	Heater for hopper 76Liter (Heater 1PH / 240V / 1500W / 15-65°C / thread 1" NPT)	
256259	Double wall hopper mounting kit (for hopper 76Liter)	
256273 +	Heated Hose/Hopper circulation (Husky D53266) Hopper 5,6 liter (without heater)	313259
256170	Hopper inlet kit (without hopper)	312747
256261 +	Level Sensor Adapter Kit (3 pieces M30x1,5 Acetal) (sensor purchase separately)	406740
256260 +	Hopper kit 26,5 Liter (green)	406699
262454	Desiccant Kit 1/4" NPT 7 gal. hopper, (Air dryer desiccant 119974)	406739
256512	Desiccant Kit 1/4" NPT 20 gal. hopper, (Air dryer desiccant 119974)	
256991	Alternator conversion kit for hazard area (255728 only Alternator)	313293
15V747	Power Supply 24VDC / 2,5A / 60W (90-264V AC) not for hazard area	313289
256540 +	Junction Box	313258
256876 +	Electric heated hose power supply kit 230V / 15A (max. hose length 15,2m) Incl. Heat control 248921, hose 248908 (3/8", 15,2m, 345bar), FTS Sensor 261670	
248907 +	2k hose with FTS cable 1/4 (#6) x 3/8 (#10), 15,2m 345bar (without air hose) for ratio 2:1 and higher	
248908 +	2k hose with FTS cable 3/8(#10) x 3/8 (#10) 15,2m 345bar (without air hose) for ratio 1:1	309572
214925 +	Swivel 3/8" (f) to 1/4" (f) 350bar	406691
256263 +	Swivel 1/4" (m) to 1/4" (f) 510bar	
256263 +	Hose Rack Kit	
256980 +	Remote mix manifold kit conversion kit (only conversion kit, Mix Manifold 255 684 required)	312749
255684 +	Mix Manifold Kit,	
255278	Shutoff / Check Valve Kit (Rep kit 256239), only handle blue 247789, green 15R380, red 247788	313343
222200	Restriction Valve (Rep Kit 223016)	307892
114593	Knop for Restriction 222 200	
255762	Air Inlet Manifold 3/4" in & outlet (Filter Element replacement 106 204)	
256653	Lower Strainer and Valve Kit (max. 28bar) (Screen 20 mesh 180199)	312770
256262 +	Caster kit (4 pieces wheels)	406690

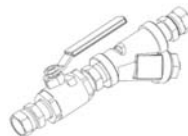
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255728



15V747



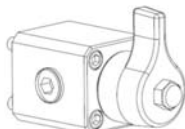
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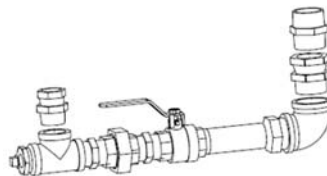
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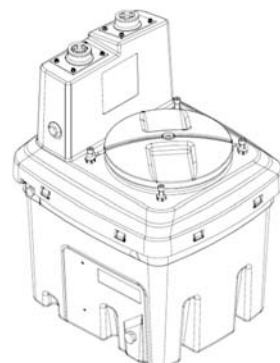
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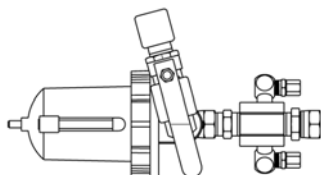
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256170



255963



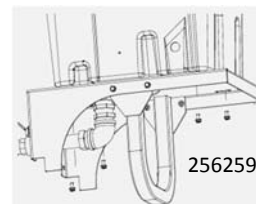
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256257

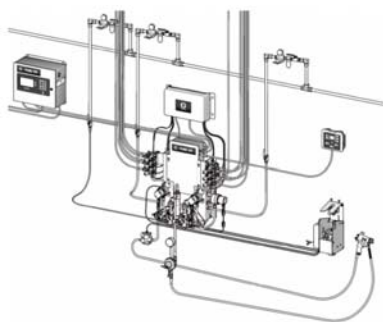


256512
262454

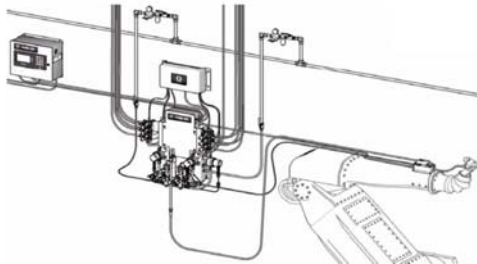


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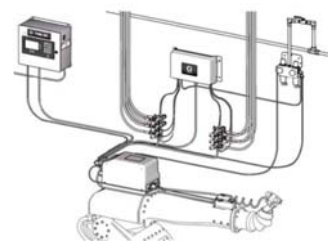
ProMix® 2KS



Manual Wall Panel



Automatic Wall Panel



Automatic RoboMix Panel

For the configuration please look in the “CIS” System

Manual Wall	Interface		A and B Meter		Color Valve		Catalyst Valve		Flow Control	
M	D	Easy Key with LCD Display	0	No Meters	0	No Valve	0	No Valve	1	1 Air flow switch (AFS)
			1	G 3000 A&B	1	2 colors LP	1	2 catalyst Low Pres.	2	2 Air flow switch (AFS)
			2	G3000HR A&B	2	4 colors LP				
			3	1/8" Coriolis A / G3000 B	3	7 colors LP	2	4 catalyst Low Pres.	3	1 AFS 1 GF*- box
			4	G3000 A / 1/8" Coriolis B	4	12 colors LP				
			5	1/8" Coriolis A / G3000HR B	5	2 colors HP	3	2 catalyst High Pres.	4	2 AFS 2 GF*- box
			6	G3000HR A / 1/8" Coriolis B	6	4 colors HP				
			7	1/8" Coriolis / A & B						

*GF = Gun Flush Box

Autom. Wall	Interface		A and B Meter		Color Valve		Catalyst Valve		Flow Control	
A	D	Easy Key with LCD Display	0	No Meters	0	No Valve	0	No Valve	N	No
			1	G 3000 A&B	1	Two Valve	1	Two Valve	Y	Yes
			2	G3000HR A&B	2	Four Valve	2	Four Valve		
			3	1/8" Coriolis A / G3000 B	3	Seven Valve				
			4	G3000 A / 1/8" Coriolis B	4	Twelve Valve				
			5	1/8" Coriolis A / G3000HR B						
			6	G3000HR A / 1/8" Coriolis B						
			7	1/8" Coriolis / A & B						

Robo Mix	Interface		A and B Meter		Color Valve		Catalyst Valve		Flow Control	
R	D	Easy Key with LCD Display	0	No Meters	0	No Valve	0	No Valve	N	No
			1	G 250 A&B	1	Two Valve	1	Two Valve	Y	Yes
			2	G 250 HR A&B	2	Four Valve	2	Four Valve		
					3	Seven Valve				
					4	Twelve Valve				

Technical Data: Max. fluid working pressure:

Base system: 275.8 bar
Low pressure color change: 20.6 bar
Coriolis meter :158.6 bar
RoboMix system: 20.6 bar
Flow control: 13.1 bar

Mixing Ratio:
Viscosity range of fluid:

0,1:1 – 50:1 (± 1%)
20 – 5000cps

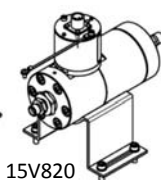
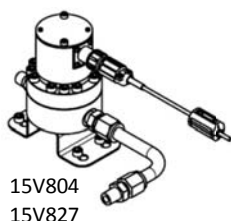
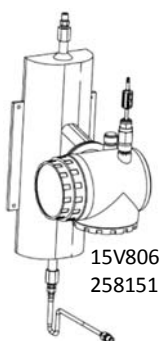
ProMix® 2KS

Related Manuals:

312775 ProMix 2KS Installation Manual
 312776 ProMix 2KS Operations Manual
 312777 ProMix 2KS Repair Parts
 312778 ProMix 2KS Automatic System Installation
 312779 ProMix 2KS Automatic System Operation
 312780 ProMix 2KS Automatic System Repair-Parts

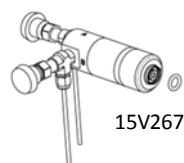
312781 Fluid Mix Manifold
 312782 Dispense Valve
 312783 Color Change Valve Stacks
 312787 Color Change Module Kit
 312784 Gun Flush Box Kits
 310745 Gun Air Shutoff Kit
 312786 Dump Valve and Third Purge Valve Kits
 312785 Network Communication Kits
 313290 Floor Stand Kit
 313542 Beacon Kit
 313386 Basic Web Interface/Advanced
 308778 G3000/G3000HR/G250/G250HR-Meter
 313599 Coriolis Flow Meter
 313212 Gun Flush Box Integration Kit

Flow Meter



15V822 Dump Valve
Kit for robe mount

RoboMix Panel Ratio Check Kit

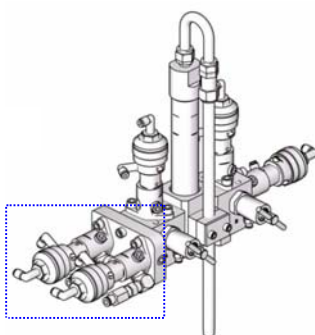


TSL Cup

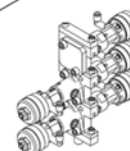
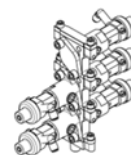
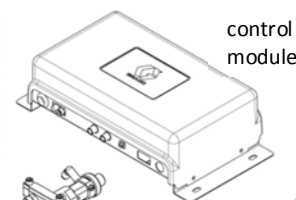
Gasket
104640



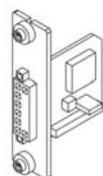
GunFlush Box



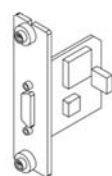
Low & High pressure colour change kit



Devicent Card



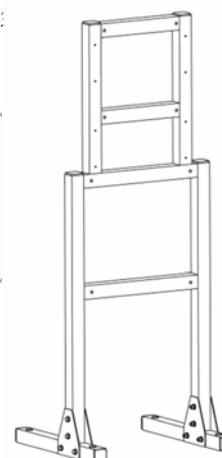
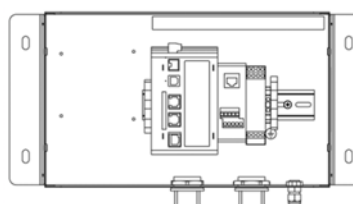
Profibus Card



Ethernet Hub



15V331 Gateway Ethernet Kit
 Gateway DeviceNet Kit
 15V964 Gateway Profibus Kit



Stand 2KS
15V950



ProMix® 2KS Accessories:

+ not shown

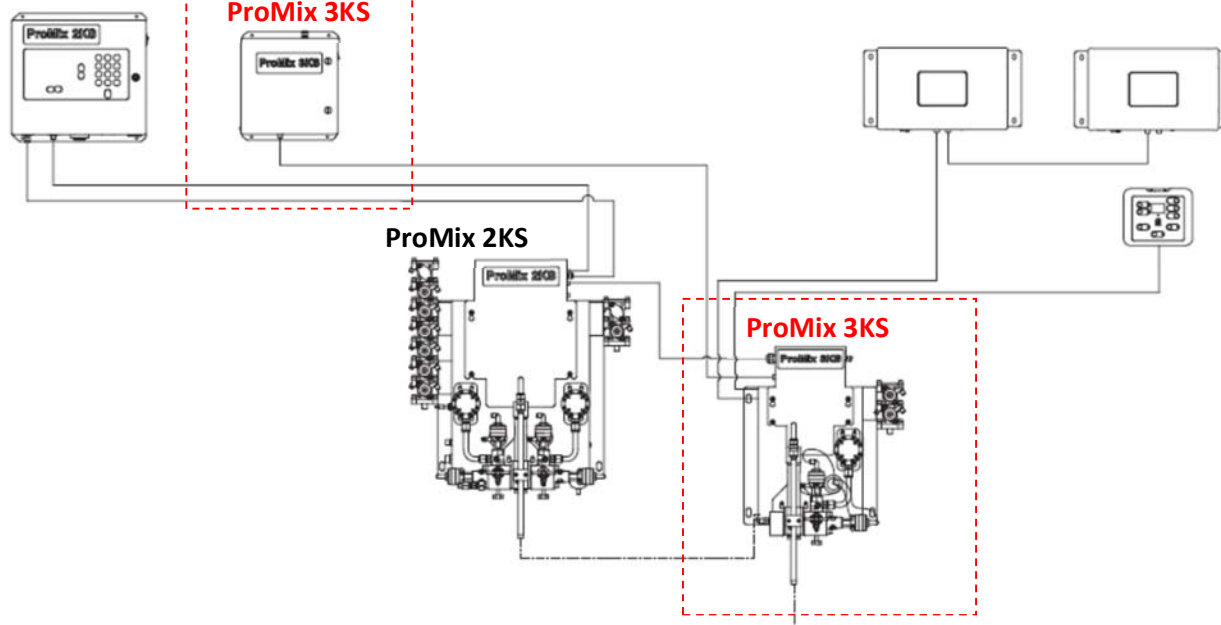
Part No.	Flow Meter					Manual
15V804	G3000 (289813) with cable, pipe, check valve, screws and bracket (20 – 3000cps)					308778
15V827	G3000 (289814) with cable, pipe, check valve, screws and bracket (20 – 3000cps)					308778
15V820	HG6000 (246190) with cable, pipe, check valve, screws and bracket (30 - 1.000.000cps)					309834
16D329	S3000, Solvent Meter kit, (258718 only Flometer)					308778
15V806	1/8" Coriolis (258150) Flow meter (0,1-3000cps)					313599
258151	3/8" Coriolis Flow meter (0,1-10000cps)					
Part No.	Low Pressure Colour Change Kit contain valve , solenoid & control module					312787
256581	2 colour	256582	4 colour	256583	7 colour	
256584	12 colour	256585	2 colour 2 catalyst	256586	4 colour 2 catalyst	
256587	4 colour 4 catalyst	256588	7 colour 2 catalyst	256589	7 colour 4 catalyst	
256590	12 colour 2 catalyst	256591	12 colour 4 catalyst	256592	13-18 colours	
256593	13 – 24 colours	256594	13 – 30 colours	256595	0 colours 2 catalyst	
Part No.	High Pressure Colour Change Kit contain valve , solenoid & control module					312787
256596	2 colour	256597	4 colour	256598	7 colour	
256599	12 colour	256600	2 colour 2 catalyst	256601	4 colour 2 catalyst	
256602	4 colour 4 catalyst	256603	7 colour 2 catalyst	256604	7 colour 4 catalyst	
256605	12 colour 2 catalyst	256606	12 colour 4 catalyst	256607	13-18 colours	
256608	13 – 24 colours	256609	13 – 30 colours	256610	0 colours 2 catalyst	
Part No.	Dump Valve and Third Purge Valve Kits					312786
15V354	Third Valve kit	for wall mount	ProMix 2KS			
15V821	Dump Valve kit	for wall mount	ProMix 2KS			
15V202	Third Valve kit	for robo mount	ProMix 2KS			
15V822	Dump Valve kit	for robo mount	ProMix 2KS			
15V737	TSL- Lubrication Cup Kit for "High & Low Pressure" Valve					406718
15V077	Stainless Steel Needle "High Pressure" Valve					406713
15U932	Carbide Seat "High Pressure" Valve					406712
Part No.	Dosing Kits contains fluid manifold hardware					
15V034 +	10cc Sequential Dosing, contains housing / mixer / integrator / gaskets					406767
15V033 +	25cc Sequential Dosing, contains housing / mixer / integrator / gaskets					406766
15V021 +	50cc Sequential Dosing, contains housing / mixer / integrator / gaskets					406709
24B618 +	100cc Sequential Dosing, contains housing / mixer / integrator / gaskets					406804
15U955 +	0cc Dynamic Dosing, contains housing / 6 different restrictor injections / gasket					406715
949122 +	Clear Plastic Static Mixer mixer 3/8", contains Tube 597350 (PTFE), 6p. Element 510198, férule & nuts					
Part No.	Description					Manual
15V950	2K Floor Stand					313290
15V267	RoboMix Panel Ratio Check Kit					312780
15V534 +	Gun Flush Box Interface kit, Interfaces a GFB to a RoboMix Fluid Station (without GFB)					313212
15V826	Gun Flush Box Kit (contains gun flush box and control hardware)					312784
570123 +	Bracket kit Gun Flush Box (contains 3 rods, 3 Spacer, 3 Nuts and 3 Washer)					
Gun Flush Box Gun Holders +						
198787	Graco ProXs2	198405	Graco ProXs3 /ProXs4	196768	Pro3500,3500hc,4500	
15T646	Graco Air Pro	196769	Graco Delta Air Spray	196770	Graco Alpha	
15T771	Graco Alpha plus	15G093	Graco G15	15G346	Graco G40	
15T632 +	Air Flow Switch Kit (119159 switch)					406719
15W034 +	Strobe Light -Alarm Indicator Kit, contains light tower / cable / connector					313542
15V536 +	Solvent Flow Switch Kit for wall mount ProMix 2KS (switch 120278)					406720
15V823	Gun Air safety shutoff kit					312784
15V350	Remote Operator Station Kit, inc. 15m cable and bracket					
15V825	Discrete I/O board kit					406800
15V256 +	Kit Automatic upgrade, contain board 255766 & 24A851 / connector and wire					406799
15X247 +	Kit Valve Auto dump, used to incorporate an auto dump feature without gun flush box					
197902 +	10 p. Shields Easy Key	15M483 +	10p. Shields Remote operator	15W600 +	Wall Panel Manifold cover	
15V213	Power Cable 30,5m Power Cable		15G710 +	Fiber Optic Cable 30,5m		
15G614	Flow Control extension cable 12,2m (2 pair + shield)		15U 977 +	Cable 12m Flow Control (one plug)		
15U532 +	CAN Cable 0,9m	15V205 +	CAN Cable 1,8m	15V206 +	CAN Cable 3m	
15V207 +	CAN Cable 4,5m	15V208 +	CAN Cable 7,5m	15U533 +	CAN Cable 15m	
15V331	Gateway Ethernet IP Communication Kit (Kit Module 15X492)					312875
15V963	Gateway DeviceNet Communication Kit (Kit Module 15V966 (Module 15V347))					
15V964	Gateway Profibus Communication Kit (Kit Module 15V965 (Module 15V346))					
15W023 +	Communication + I/O Harness Kit					
15V337 +	Advanced Web Interface					
15V336	Eight Port Ethernet Hub, contains eight port hub, power supply and enclosure					
121998 +	7,5m CAT V Cable		121999 +	15m CAT V Cable		
15V842 +	30m CAT V Cable		15V843 +	60m CAT V Cable		

ProMix® 3KS



Operation (manual system) **Manual: 313882**
Operation (autom. system) **Manual: 313885**
Installation Manual: 313881
Repair Parts: 313883

ProMix 2KS



For the configuration please look in the “CIS” System

Techn. Data:

Mix ratio

Sequential dosing: 1st stage: 0.1:1 To 50:1 2nd stage: 0.1:1 To 50:1
 Dynamic dosing: 1st stage: 0.1:1 To 30:1 2nd stage: 0.1:1 To 30:1

Ratio accuracy up to + 1% **Operating temperature range** 5 to 50°C

Wetted parts: SST, PTFE, FFKM, tungsten carbide with nickel binder

Upgrade your 2KS system with the ProMix™ 3KS,
 up to 25 colours, 4 catalysts, 4 reducers in modular colour change system

TK

1

1

0

0

TK = Three Component	0	No Meter	0	No Valves (single colour)	0	0
	1	G3000	1	2 Colour LP	reserve	
	2	G3000HR	2	4 Colour LP		
	3	1/8" Coriolis	3	2 Colour HP		
	4	S3000	4	4 Colour HP		

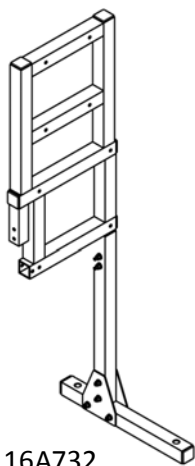
G3000 (75-3800 cc/min.)
 G3000HR (38-1900 cc/min.)
 Coriolis Meter (20-3800 cc/min.)
 S3000 Solvent Meter (38-1900)

ProMix® 3KS

Part No.	Flow Meter	Manual
+ 123277	1,82 m (6 ft) Yellow colour CAN Cable	313883
+ 123278	3 m (10 ft) Yellow colour CAN Cable	
+ 123280	15 m (50 ft) Yellow colour CAN Cable	
+ 123273	3 m (10 ft) Green CAN Cable	
+ 123274	7,5 m (25 ft) Green CAN Cable	
+ 123275	15 m (50 ft) Green CAN Cable	
+ 123276	30 m (100 ft) Green CAN Cable	
+ 16G374	0,8 m (2 ft) Red Power Cable	
+ 123271	15 m (50 ft) Red Power Cable	
+ 123272	30 m (100 ft) Red Power Cable	
+ 15U533	Standard IS Power Cable 15 m, to connect EasyKey with 2KS Fluid Station	313883
+ 15U531	IS Power Cable 0,6 m	
+ 15U532	IS Power Cable 0,9 m	
+ 15U205	IS Power Cable 1,8 m	
+ 15U206	IS Power Cable 3 m	
+ 15U207	IS Power Cable 4,6 m	
+ 15U208	IS Power Cable 7,6 m	
+ 15U213	IS Power Cable 30 m	
+ 15D320	Standard Fiber Optic Cable 15 m	
+ 15G710	Fiber Optic Cable 30 m	

Miscellaneous Kits

+ 16A732	3K Floor Stand extension	
+ not shown		

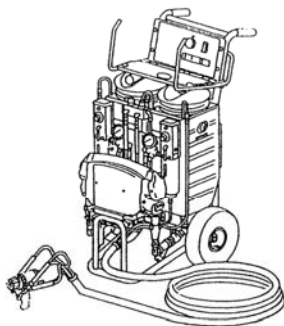


16A732

TWO COMPONENT UNITS – REACTOR

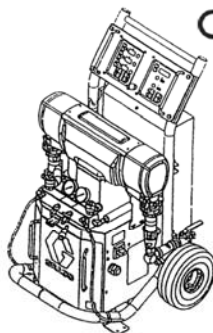
Technical Data:		E-XP1 / E-XP2 / E-20 / E-30	A-20	E-10
Fluid inlet	ISO:	3/4" npt (f)	1/2" (f)	3/4" (f) Tank
Fluid inlet	RES:	3/4" (f)	3/4" (f)	3/4" (f) Tank
Fluid outlet:	ISO:	#8JIC (3/4"-16unf with # 5JIC adapter)	5/16 JIC (m)	#5 JIC 1/2-18 (m)
Fluid outlet:	RES:	#10JIC (7/8"-14unf with # 6JIC adapter)	3/8 JIC (m)	#6 JIC 9/16-18 (m)
Circulation ports	ISO:	1/4" npsm (m)	#5 JIC 1/2-18 (m)	
Circulation ports	RES:	1/4" npsm (m)	#6 JIC 9/16-18 (m)	

Reactor E-10

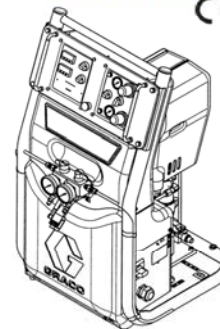


Reactor E-20/E-30

Reactor E-XP1/E-XP2

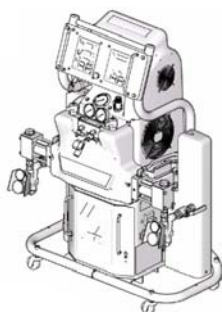


Reactor A-20



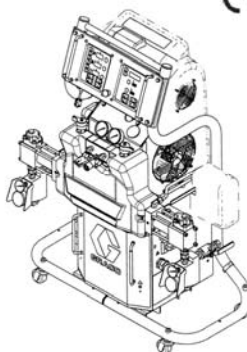
Reactor H-40 / H50

Reactor H-XP3



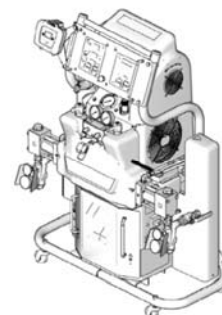
Reactor H-25

Reactor H-XP2



Reactor IPH -

25



AR Pour Gun
Manual 312888



Fusion Gun AP
Manual 309550



Fusion CS Gun
Manual 312666



Probler P2
Manual 313213

for foam

for polyurea

TWO COMPONENT UNITS – REACTOR

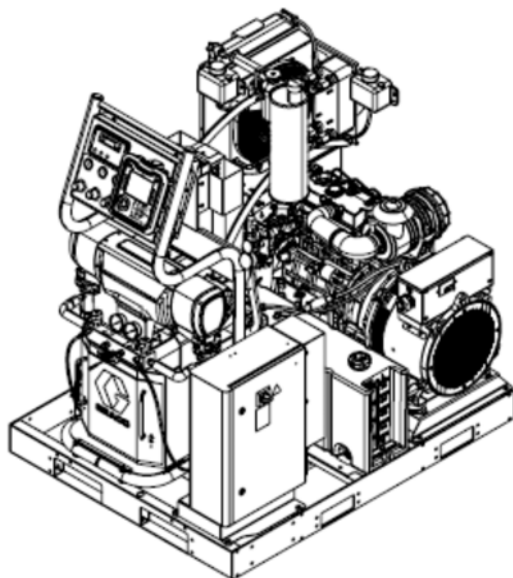
Part No.	Description	Manual
Reactor with shot controller		
255824¥	Reactor IPH-25 (255814) 230V 1-phasic, 69A, 8KW, 10 kg/min, 138 bar	312064E 312062T 312063R
255825¥	Reactor IPH-25 (255815) 230V 3-phasic, 46A, 8KW, 10 kg/min, 138 bar	
255826¥	Reactor IPH-25 (255816) 400V 3-phasic, 35A, 8KW, 10 kg/min, 138 bar	
255821¥	Reactor IPH-40 (255811) 230V 1-phasic, 100A, 12KW, 20 kg/min, 138 bar	
255822¥	Reactor IPH-40 (255812) 230V 3-phasic, 71A, 12KW, 20 kg/min, 138 bar	
255823¥	Reactor IPH-40 (255813) 400V 3-phasic, 41A, 12KW, 20 kg/min, 138 bar	
¥ with AR Pour Gun 255828 (312888), 8m heated hose 3/8" 246049, 3m heated hose ¼" 246050		
Part No.	Description	Manual
249571 AP9571 CS9571	Reactor, E-10 , 230V, 2 x 2-phasic, 3800 W(10A Motor/10A heater) 5,4 kg/min, Reactor 249571 + hose 249499 + Gun Fusion 249810 Reactor 249571 + hose 249499 + Gun Fusion CS22WD	311075
249572 AP9572 CS9571	Reactor, E-10 , 230V, 2-phasic, 3800 W 16 A , 5,4 kg/min, 138bar Reactor 249572 + hose 249499 + Gun Fusion 249810 Reactor 249572 + hose 249499 + Gun Fusion CS22WD	
249499	10m hose for E-10 Insulated with recirculation lines and air hose ¼"	
249633	10m hose ¼" for E-10 non insulated without recirculation lines with air hose	
249810 CS22WD	Fusion Gun AP, AW2222, Round Pattern, with 4 hose recalculating gun manifold (309550) Fusion Gun CS, WD2222 (312666)	
Part No.	Description	Manual
259029 AP9029* P29029*	Reactor, E-XP1 , 400V 3-phasic, 15,8KW, heater 2 x 5,1KW, 3,8 l/min, 172 bar / bare Reactor 259029 + Hose 246679 + 246055 + Gun AP Fusion 246100 AR2929 +1x AR2020 Reactor 259029 + Hose 246679 + 246055 + Gun ProblerP2 GCP2RA	312066R 312065T
259030 AP9030* P29030*	Reactor, E-20 , 400V, 3-phasic, Heater 6KW, 9 kg/min, 138 bar / bare Reactor 259030 + Hose 246678 + 246050 + Gun AP Fusion 246101 AR4242 +1x AR5252 Reactor 259030 + Hose 246679 + 246055 + Gun ProblerP2 GCP2R0	
259032 AP9032* P29032*	Reactor, E-XP2 , 400V 3-phasic 23KW, heater 2x 7,7KW, 7,6 l/min, 241 bar / bare Reactor 259032 + Hose 246679 + 246055 + Gun AP Fusion 246100 AR2929 +1x AR2020 Reactor 259032 + Hose 246679 + 246055 + Gun ProblerP2 GCP2RA	312066R 312065T
259031 AP9031* P29031*	Reactor, E-30 , 400V, 3-phasic, heater 2x5,1KW, 13,5 l/min, 140 bar / bare Reactor 259031 + Hose 246678 + 246050 + Gun AP Fusion 246101 AR4242 + 1x AR5252 Reactor 259031 + Hose 246678 + 246050 + Gun ProblerP2 GCP2R2	
248669	Conversion Kit to convert and phase E-XP2 to E-30	
253831 AP3831* CS3831* P23831*	Reactor, A-20 , 400V, 3-phasic, 9000 Watt, 9 kg/min, 140 bar / bare Reactor 253831 + Hose 246678 + 246050 + Gun AP Fusion 246101 +1x AR4242 Reactor 253831 + Hose 246678 + 246050 + Gun Fusion CS01RD Reactor 253831 + Hose 246678 + 246050 + Gun ProblerP2 GCP2R0	311512R 311511T
255402 AP5402* CS5402* P25402*	Reactor, H-25 , 400V 3-phasic 16KW, heater 8KW, 10 kg/min, 138 bar / bare Reactor 255402 + Hose 246678 + 246050 + Gun AP Fusion 246101 AR4242 + 1x AR5252 Reactor 255402 + Hose 246678 + 246050 + Gun Fusion CS02RD Reactor 255402 + Hose 246678 + 246050 + Gun ProblerP2 GCP2R2	
253402 AP3402* P23402*	Reactor, H-40 , 400V 3-phasic 26,6KW, heater 8KW, 20 kg/min, 138 bar / bare Reactor 253402 + Hose 246678 + 246050 + Gun AP Fusion 246101 AR4242 +1x AR5252 Reactor 253402 + Hose 246678 + 246050 + Gun ProblerP2 GCP2R2	312064 312062T 312063R
253408 AP3408* P23408*	Reactor, H-40 , 400V 3-phasic 31,7KW, heater 20,4KW, 20 kg/min, 138 bar / bare Reactor 253408 + Hose 246678 + 246050 + AP Fusion 246101 AR4242 +1x AR5252 Reactor 253408 + Hose 246678 + 246050 + Gun ProblerP2 GCP2R2	
253727 AP3727* P23727*	Reactor, H-50 , 400V 3-phasic 26,6KW, heater 15,3KW, 23,6kg/min, 138 bar / bare Reactor 253727 + Hose 246678 + 246050 + AP Fusion 246101 AR4242 +1x AR5252 Reactor 253727 + Hose 246678 + 246050 + Gun ProblerP2 GCP2R2	
256506 AP6506* P26506*	Reactor, H-50 , 400V 3-phasic 31,7KW, heater 20,4KW, 23,6kg/min, 138 bar / bare Reactor 256506 + Hose 246678 + 246050 + AP Fusion 246101 AR4242 +1x AR5252 Reactor 256506 + Hose 246678 + 246050 + Gun ProblerP2 GCP2R2	
255405 AP5405* P25405*	Reactor, H-XP2 , 400V 3-phasic 23,3KW, heater 2x7,7KW, 5,7kg/min, 241 bar / bare Reactor 255405 + 246679 + 246055 + AP Fusion 246101 AR4242 +1x AR5252 Reactor 256506 + Hose 246678 + 246050 + Gun ProblerP2 GCP2R0	
253405 AP3405* P23405*	Reactor, H-XP3 400V 3-phasic, 31,7KW, heater 2x10,2KW, 10,6 kg/min, 241 bar / bare Reactor 253405 + 246679 + 246055 + AP Fusion 246100 AR2929 +1x AR2020 Reactor 256506 + Hose 246678 + 246050 + Gun ProblerP2 GCP2R0	
max. 64.1m max. 94,6m max. 125m hose length *complete unit's with heated hose 15m, whipped 3m, Gun (power hose =1000W/15 m (two hoses) or 33,3W/m hose, whipped =200W)		

REACTOR E-30i and E-XP2i

Electric, heated, integrated Plural component Proportioning system with integrated generator.

Part No.	Description	Manual
259079	Reactor, E-30i , 240V 1-phasic, 7,7KW, heater, 13,5 l/min, 140 bar / no Air compressor	199403 3A1705Op. 3A1706T 16K761 16K913 SEBU7992
259080	Reactor, E-30i , as 259079 but with / booster heater 4 KW	
259089	Reactor, E-30i , 240V 1-phasic, 7,7KW, heater, 13,5 l/min, 140 bar / with Air compressor	
259090	Reactor, E-30i , as 259089 but with / booster heater 4 KW	
259081	Reactor, E-XP2i , 240V, 1-phasic, Heater 11,7KW, 7,6 kg/min, 241 bar /	
259091	Reactor, E-XP2i , as 259081 but with air compressor	

Maximum hose length 94.5 m



Proportioner		System without Air compressor		proportioner	System with Air compressor		Gun
		System with Heated hoses and Gun	System with Heated hoses and Gun remote display module kit		System with heated hoses and Gun	System with heated hoses and Gun with remote display module kit	
E-30i	259079	AP9079 †	AP9179 ▼	259089†	AP9089	AP9189▼	246101
	259080 booster heating	AP9080 †	AP9180 ▼	259090†	AP9090	AP9190▼	246101
E-XP2i	259081	AP9081 ‡	AP9181 ▲	259091‡	AP9091	AP9191▲	246100
E-30i	259079	CS9079 †	CS9179 ▼	259089†	CS9089	CS9189▼	CS0101
	259080 booster heating	CS9080 †	CS9180 ▼	259090†	CS9090	CS9190▼	CS0101
E-XP2i	259081	CS9081‡	CS9181 ▲	259091‡	CS9091	CS9191▲	CS0000
E-30i	259079	P29079 †	P29179 ▼	259089†	P29089	P29189▼	GCP2R1
	259080 booster heating	P29080 †	P29180 ▼	259090†	P29090	P29190▼	GCP2R1
E-XP2i	259081	P29081‡	P29181 ▲	259091‡	P29091	P29191▲	GCP2R0

AP = Air Purge Fusion gun

CS = Fusion gun CS

P2 = Probler P2 gun

† = heated hose 24K240 (15 m) and 246050 (3 m)

‡ = heated hose 24K241 (15 m) and 246055 (3 m)

▼ = heated hose 24K394 (15 m) and 246050 (3 m)

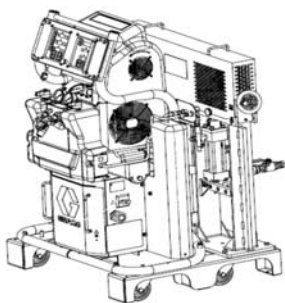
▲ = heated hose 24K395 (15 m) and 246055 (3 m)

Accessories

125379	15 m CAN cable for remote display module	
24K207	Fluid temperature sensor (TS) with RTD	
24K338	Remote display Module kit	
24K335	Complete Air Compressor kit	
125970	Air compressor without air supply tank	
24M490	Air compressor mounted 30 gallon tank (113.5 L)	
24M125	Air tank .12 gallon (45.4 L)	
24M178	Air dryer	
24M258	Compressor Rack (frame only)	
24K336	Hose rack	
15V551	ADM Protective covers (10 pack)	
15M483	Remote display module protective covers (10 pack)	
24K334	Feed pump shutdown kit	
24K333	Fuel line and battery extension cable kit	
24K337	Light tower	
24M174	Drum level stick	
24L911	System roller plate kit (roller not included)	
121006	45 m cable for remote display module	

TWO COMPONENT UNITS – REACTOR

H-VR Series



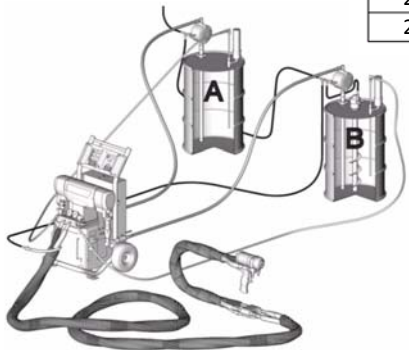
Part No.	Description	Manual
256886	Reactor H-VR 230V 3 phasic, 26,6 KW, 5,7 liter/min 241 bar (not CE – Market !!!) bare unit without gun and hose	313540
256887	Reactor H-VR 400V 3 phasic, 26,6 KW, 5,7 liter/min 241 bar bare unit without gun and hose	

Proportioning Pumps Reactor	312068
Seal Kit Piston & Cylinder	312071
Feed Pump Kits	309815
Air supply kits	309827
Power lock heated hose	309572

TWO COMPONENT UNITS – REACTOR

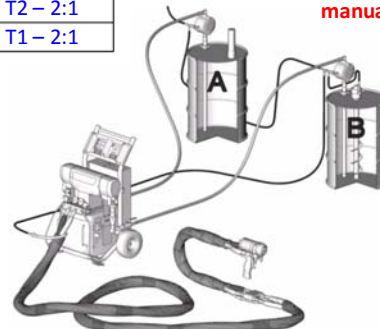
Feed System with circulation

246978
24E379
24D107

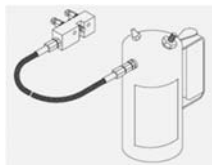


Compleat 2x Fluid & air	Pump 1x Pump & riser	Pump Type
246369	246366	Husky 515
246375	246367	Husky 716
246376	246368	Husky1050
246655	246654	Triton308
246081	295616	T2 – 2:1
247955	247956	T1 – 2:1

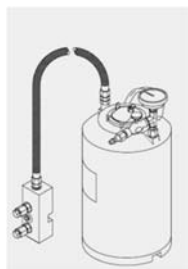
Feed Pump Kit's see
manual 309815



Gun service kit

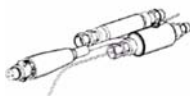


296980



296981

FTS Sensor



261669
261670

Solice Kit



6AWG

15M312 (20St.)
255039 (4St.)
261821 (2St.)

Drain Valve



255148
255149
255150

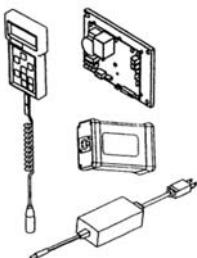


248228



248139
256510

Data Report Kit



246085
246086 (old)



Circulation Kit

246978
24E379
24D107

Air Dryer
replacement
(15C381)

Return tube kit

246477
24D106

T1-T2 pump

295616
256200



TWO COMPONENT UNITS – REACTOR

Accessories

296980	Gun Service Kit 0,95 Liter	296981	Gun Service Kit 11,4 Liter	311340
24A024	Conversion kit "shot controller" for H25 and H40 hydr. Reactor			
247606	Pump line Retrofit Kit (only hydr. part) for Gusmer H20/35-GE			
255148	Drain valve conversion kit for component A + B (lever red and blue)			
255149	Drain valve B (lever red)	255150	Drain valve A (lever blue)	312070
15M312	Splice kit 6AWG (20 pieces), 255039 (4 pieces), 261821 (2 pieces),			
261669	FTS Sensor JIC to FIC fittings			309572
261670	FTS Sensor JIC to NPT fittings			
246477	Return tube with air drier (Desiccant replacement 15C381)			
24D106	Return tube with air drier SST (Desiccant replacement 15C381)			
246978	Circulation kit for Reactor drum, (incl. 246477)			309852
24E379	Circulation kit for Reactor drum, (incl. 246477) and with moisture -lok hose,			
24D107	Circulation kit for Reactor drum, (incl. 246477) and with moisture -lok hose SST,			
288359	Retrofit kit inrush limiter (hose heater)			
246085	Kit, Production - Data Report for electric unit / and new hydraulic unit's			309867
246086	Kit, Production - Data Report for the old hydraulic and air unit (without pressure transducer)			309814
	Data Report		309854/5 & 309726 / 731	

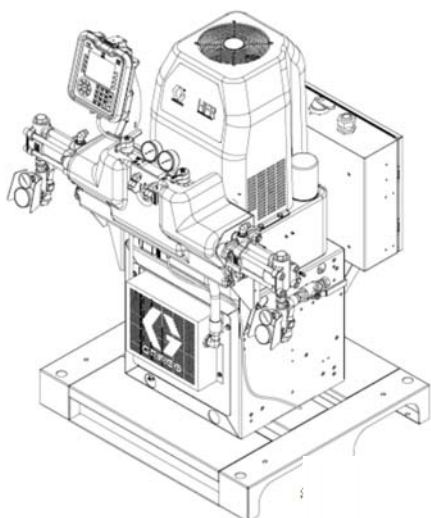
Transfer / supply

256200	T1 Pump , Transfer pump 2:1, SST for polyurethane, polyurea or similar <u>not</u> flammable material, 95cm ³ /cycle	311766
295616	T2 Pump , Transfer pump 2:1, SST for polyurethane, polyurea or similar <u>not</u> flammable material, 239m ³ /cycle	311882
247616	Desiccant Dryer Kit, (replacement 15V381)	
246483	Air supply Kit Feed pumps, Air supply to feed pumps and Fusion Gun & various fittings	309827
246898	Supply Kit, incl. 2x pump T2 (295616), 2x hose 217382, 2x adapter 157785 & swivel 113344	
247956	Supply Kit, incl. 2x pump T1 (256200), 2x hose 217382, 3x swivel 113344	309815
246081	Complete supply kit, same like 246898+ adapter 113344+ drier 246640+ Air Kit 246483	
247955	same like 246081 but with pump 256200	
246483	Air Kit for supply pumps and Fusion Gun	309827
248824	Agitator 224854 (helix) with air supply & control kit 249002	310863
Xxx xxx	Isocyanate - Diaphragm supply kit's, Husky, 716, 1040, Triton 308	309815
232434	23:1 Monark scavenging pump pail unit	308765
248139	0,95 liter solvent flush kit, (Fusion Gun is not included)	309963
248229	19,0 liter solvent flush kit, Husky 307 pump, (Fusion Gun is not included)	
296980	0,95 liter Gun service kit (Gusmer)	311340
296981	11,3 liter Gun service kit (Gusmer)	

Hydraulic Plural-Component Fixed-Ratio Proportioner

For the configuration please look in the “CIS” System

HFR™



Related Manuals

313997	Setup - Operation
313998	HFR Repair-Parts
3A0239	Power Distribution Boxes Instructions-Parts
3A0019	Z-Series Chemical Pumps Instructions-Parts
3A0020	HFR Hydraulic Actuator Instructions-Parts
3A0238	Dispense Head Hydraulic Power Pack Instructions-Parts
3A0235	Feed Supply Kits Instructions-Parts
3A0395	Tank Feed Systems Instructions-Parts
3A0237	Heated Hoses and Applicator Kits, Instructions-Parts
313872	EP™ Gun
312185	MD2 Valve, Instructions-Parts
312752	S-Head Operation-Parts
312753	L-Head Operation-Parts
309550	Fusion AP Gun
309856	Fusion MP Gun
312666	Fusion CS Gun

Technical Data:

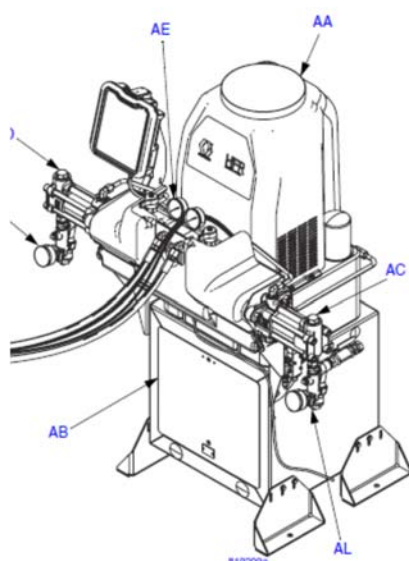
Max Fluid pressure:	207 bar
Max. Fluid temperature:	88°C
Fluid inlet feed pressure:	17,5 Bar
Mix Ratio Range:	1:1 to 16:1 (Fixed Ratio)
Flow Rates: min - max:	7,5cc/s - 316cc/s
Fluid viscosity range:	Up to 30.000 cps

Wetted Parts:

Aluminum, stainless steel, zinc-plated carbon steel, brass, carbide, chrome, fluoroelastomer, PTFE, Ultra-High Molecular Weight Polyethylene, chemically resistant O-rings

Not for use in explosive atmospheres !

Hydraulic Plural-Component Fixed-Ratio Proportioner for pouring and dispensing Laminates and Silicones



Related Manuals

3A2175	HFRL and HFRS setup operation
3A2176	HFRL and HFRS repair
3A2264	HFRS Tandem supply system kit, setup-parts

Technical data

Max Fluid pressure	207 bar
Max Fluid temperature	50°C
Fluid inlet pressure at inlet fitting	
HFRL	3.4 – 18 bar
HFRS	18 – 207 bar
HFRS (regulated pressure)	18 – 103 bar
Fluid inlets components A (red)	¾ npt(f)
components B (blue)	¾ npt(f)
Fluid outlets components A (red)	½ npt(f)
components B (blue)	½ npt(f)
Air let	¼ nps
Air inlet pressure	2.8 – 7 bar
Fluid circulation ports with plastic tubing	¼ npsm 18 bar max
Line voltage requirement in Europe	400 V/3 phase
Amperage requirement full load peak	55 A
Hydraulic reservoir	30 litre

Wetted Parts:

Aluminum, stainless steel, zinc-plated carbon steel, brass, carbide, chrome, fluoroelastomer, PTFE, Ultra-High Molecular Weight Polyethylene, chemically resistant O-rings



Accessories

24F516	Isoguard. The lubricant creates a barrier between the Iso and atmosphere, 6 quarts
24M154	Kit lube assembly, Iso HFR with 32 oz. (1 quart) reservoir
255244	Footswitch with guard and 4 meter cable

HFRS Tandem Supply Systems Kit manual 3A2264

Each tandem supply kit consists of one single air powered Ram supply system and supply hose, as well as all the components necessary to configure all pneumatic tandem supply system controls. This kit must be added to an identical single ram supply system (identified with the model information) with supply hoses to make up a complete tandem unit. This kit is intended only for use with HFRS systems that include a D200 or S20 supply system, see manual 3A2175.

Model	Description	To be installed with existing Supply System
24M226	Tandem crossover kit, 20:1, 55 gallon, CS	CM7A59
24M227	Tandem crossover kit, 20:1, 55 gallon, SST	CM7C58
24M228	Tandem crossover kit, 20:1, 5 gallon, CS	CM7A3C
24M229	Tandem crossover kit, 20:1, 5 gallon, SST	CM7C3F



Fusion Gun Selection Guide

Round: Stay longer clean (Foam) AP 0 easy to clean Harder to overlap
Flat: Smoother surface with Polyureas Finer particle break up Better overlapping with even film Best for build up Polyureas

Air Purge "Round": Gun simplicity, longest spray gun before pattern lost
Air Purge "Flat": Gun simplicity with "non foam", smoother finish, thin film build, pattern size choice with tip

Mech. Purge Round: Better mixing performance vs AP (Polyureas), no need of large compressor,
Mech. Purge Flat: Best mixing performance (Polyureas), smoothest finish, Patter size choice, no need of large compressor

Foam (138 bar): Round air purge – Stays longer clean, simplicity, keeps longer a good spray patter,

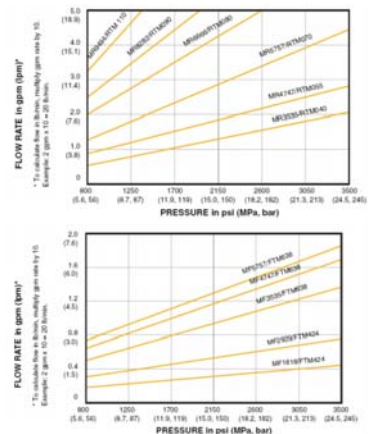
Polyurea (207 bar): Flat mech. purge – Best mixing, best particles break up, low air consumption , choice of spray pattern

Mechanical Purge Spray Gun "STANDARD"

Manual 309856

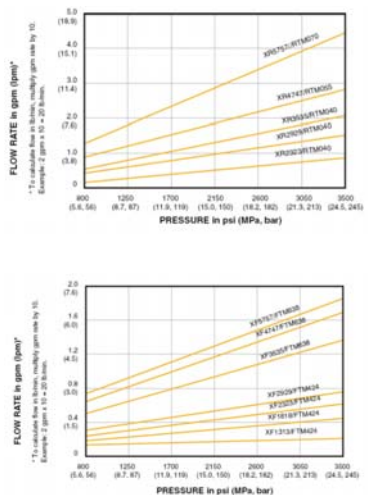
Gun No.	Mix Module	Round Tip	Gun No.	Mix Module	Flat Tip
247211	MR3535	RTM030	247257	MF1818	FTM317
247212	MR3535	RTM040	247258	MF1818	FTM424
247213	MR3535	RTM055	247265	MF2929	FTM424
247218	MR4747	RTM040	247266	MF2929	FTM438
247219	MR4747	RTM055	247267	MF2929	FTM624
247225	MR5757	RTM055	247273	MF3535	FTM438
247226	MR5757	RTM070	247274	MF3535	FTM624
247231	MR6666	RTM070	247275	MF3535	FTM638
247232	MR6666	RTM080	247281	MF4747	FTM624
247233	MR6666	RTM090	247282	MF4747	FTM638
247239	MR8282	RTM090	247283	MF4747	FTM838
247240	MR8282	RTM100	247289	MF5757	FTM638
247245	MR9494	RTM100	247290	MF5757	FTM838
247246	MR9494	RTM110	247291	MF5757	FTM848

248603	Conversion Kit Standard Mech. Purge Gun converted into a solvent Purge Gun	310648
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Mechanical Purge Spray Gun "IMPINGEMENT"

Gun No.	Mix Module	Round Tip	Gun No.	Mix Module	Flat Tip
247003	XR2323	RTM040	247050	XF1313	FTM317
247006	XR2929	RTM030	247051	XF1313	FTM424
247007	XR2929	RTM040	247057	XF1818	FTM317
247011	XR3535	RTM030	247058	XF1818	FTM424
247012	XR3535	RTM040	247061	XF2323	FTM424
247013	XR3535	RTM055	247062	XF2323	FTM438
247018	XR4747	RTM040	247063	XF2323	FTM624
247019	XR4747	RTM055	247065	XF2929	FTM424
247025	XR5757	RTM055	247066	XF2929	FTM438
247026	XR5757	RTM070	247067	XF2929	FTM624
			247073	XF3535	FTM438
			242074	XF3535	FTM624
			247075	XF3535	FTM638
			247081	XF4747	FTM624
			247082	XF4747	FTM638
			247083	XF4747	FTM838
			247089	XF5757	FTM638
			247090	XF5757	FTM838
			247091	XF5757	FTM848
			247163	XF2332	FTM438



Mechanical Purge Spray Gun "four – hose recirculation gun manifold"

Gun No.	Mix Module	Flat Tip
249815	XF2323	FTM438



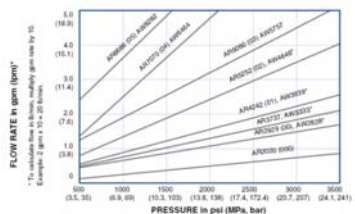
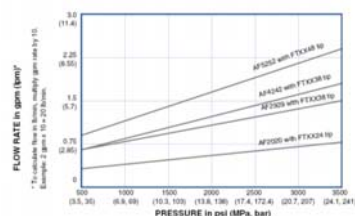
TWO COMPONENT UNITS - GUNS

Air Purge Spray Gun

Manual 309550

Gun No.	Mix Module Round
246099	AR2020
246100	AR2929
248617	AR3737
246101	AR4242
246102	AR5252
246103	AR6060
246104	AR7070
246105	AR8686
255201	AR4242
255202	AR5252

Gun No.	Mix Module	Flat Tip
247101	AF2020	FT0424
247102	AF2020	FT0438
247103	AF2020	FT0624
247104	AF2020	FT0638
247107	AF2020	FT0838
247108	AF2020	FT0848
247111	AF2929	FT0424
247112	AF2929	FT0428
247113	AF2929	FT0624
247114	AF2929	FT0638
247117	AF2929	FT0838
247118	AF2929	FT0848
247121	AF4242	FT0424
247122	AF4242	FT0438
247123	AF4242	FT0624
247124	AF4242	FT0638
247127	AF4242	FT0838
247128	AF4242	FT0848
247131	AF5252	FT0424
247132	AF5252	FT0438
247133	AF5252	FT0624
247134	AF5252	FT0638
247137	AF5252	FT0838
247138	AF5252	FT0848



Part No.	Description	Manual
249525	Flat Pattern Stud Wall Gun, AF4242 / FTM979	309550
249526	Flat Pattern Stud Wall Gun, AF5252 / FTM979	
253888	Non 1:1 Ratio Gun, AR 2223	311071
248408	Spatter Pattern Gun, AR 7070	
249529	Wide round pattern Gun, AW 3939	309550
249530	Wide round pattern Gun, AW 4646	
249810	Four hose Gun, AW2222	
249421	Stud Wall Foam Kit	

Solvent Purge Gun

Part No.	Description	Manual
248597	Solvent Purge Gun,	310648
248647	Solvent Purge Gun,	
248603	Conversion Kit Standard Mech. Purge Gun converted into a solvent Purge Gun	

Automatic Spray Gun

Part No.	Description	Manual
248376	Air Purge Gun , round , AR 2929,	310649 (parts) 309865
248377	Air Purge Gun , round , AR 4242,	
248378	Air Purge Gun , round , AR 5252,	
248379	Air Purge Gun , round , AR 6060,	
248380	Air Purge Gun , flat , AR 2020, FT0424,	
248381	Air Purge Gun , flat , AR 2929, FT0438,	
248386	Mechanical Purge Gun, round Pattern, MR 3535, RTM040	
248387	Mechanical Purge Gun, round Pattern, MR 5757, RTM070	
248382	Direct impingement M.P. Gun, round Pattern, XR2929, RTM040	
248383	Direct impingement M.P. Gun, round Pattern, XR 3535, RTM040	
248384	Direct impingement M.P. Gun, flat Pattern, XR1313, FTM317	
248385	Direct impingement M.P. Gun, flat Pattern, XR 1818, FTM424	

248860	Threaded insert Kit	310767
248414	Spatter conversion Kit	309550
246362	Circulation Manifold Kit	309818

TWO COMPONENT UNITS - GUNS

Fusion™ CS

RD= round pattern

FL= flat pattern

WD = wide pattern

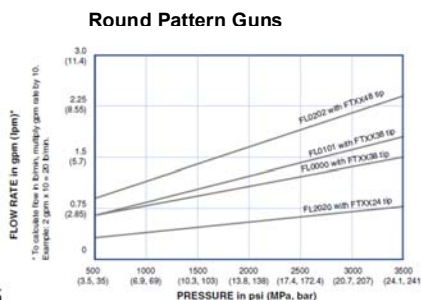
Manual 312666

Technical Data

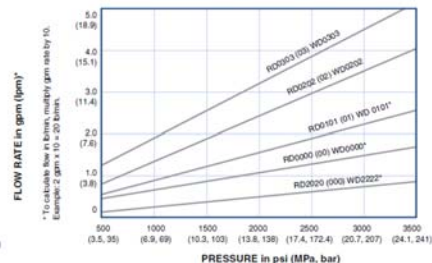
Maximum Fluid Working Pressure	245 bar
Minimum Air Inlet Pressure	5.6 bar
Maximum Air Inlet Pressure	9 bar
Maximum Fluid Temperature	94° C
Air Inlet Size	1/4 npt Quick Disconnect Nipple
A Component (ISO) Inlet Size	-5 JIC; 1/2-20 UNF
B Component (Resin) Inlet Size	-6 JIC; 9/16-18 UNF



Round Pattern Guns



Flat Pattern Guns



Gun	Mix Chamber			
	Part	Impingement Port Size	Equivalent Size	Seal Material
CS20RD	RD2020	0,5 mm	-000	SST
CS00RD	RD0000	0,7 mm	-00	SST
CS01RD	RD0101	1 mm	-01	SST
CS02RD	RD0202	1,3 mm	-02	SST
CS03RD	RD0303	1,5 mm	-03	SST

Flat Pattern Guns

Gun	Mix Chamber			Flat Tip		
	Part	Impingement Port Size	Equivalent Size	Part	Pattern Size (mm)	Orifice Size (mm)
CS20F1	FL2020	0,5	-000	FT0424	203-254	0,61
CS20F2	FL2020	0,5	-000	FT0438	203-254	0,97
CS00F1	FL0000	0,7	-00	FT0424	203-254	0,61
CS00F2	FL0000	0,7	-00	FT0438	203-254	0,97
CS00F3	FL0000	0,7	-00	FT0624	305-356	0,61
CS00F4	FL0000	0,7	-00	FT0638	305-356	0,97
CS00F5	FL0000	0,7	-00	FT0838	406-457	0,97
CS00F6	FL0000	0,7	-00	FT0848	406-457	1,22
CS01F1	FL0101	1	-01	FT0424	203-254	0,61
CS01F2	FL0101	1	-01	FT0438	203-254	0,97
CS01F3	FL0101	1	-01	FT0624	305-356	0,61
CS01F4	FL0101	1	-01	FT0638	305-356	0,97
CS01F5	FL0101	1	-01	FT0838	406-457	0,97
CS01F6	FL0101	1	-01	FT0848	406-457	1,22
CS02F1	FL0202	1,3	-02	FT0424	203-254	0,61
CS02F2	FL0202	1,3	-02	FT0438	203-254	0,97
CS02F3	FL0202	1,3	-02	FT0624	305-356	0,61
CS02F4	FL0202	1,3	-02	FT0638	305-356	0,97
CS02F5	FL0202	1,3	-02	FT0838	406-457	0,97
CS02F6	FL0202	1,3	-02	FT0848	406-457	1,22

Wide Round Pattern Guns

Gun	Mix Chamber			Pattern Diameter 610 mm to Target	Equivalent Flow to Mix Chamber Size Reference Part No.
	Part	Impingement Port Size	Equivalent Size		
CS22WD	WD2222	0,56 mm	N/A	203-229	4,5 lb @ 69 bar
CS00WD	WD0000	0,71 mm	-00	381	RD0000
CS01WD	WD0101	0,99 mm	-01	406,4	RD0101
CS02WD	WD0202	1,17 mm	-02	457,2	RD0202
CS03WD	WD0303	1,45 mm	-03	457,2	RD0303



TWO COMPONENT UNITS – GUNS Fusion™ CS

Round Pattern Mix Chamber Kits

Mix Chamber Kit (includes drill bits)	Pattern Diameter @ 609.6mm to target	Nozzle Orifice Size	Nozzle Drill Bit Size, (mm)	Impingement Port Size in.	Impingement Port Drill Bit Size, (mm)	Counterbore Drill Bit Size,
RD2020	127 mm	1,07 mm	# 58 (1 mm)	0,020	# 76 (0,5 mm)	# 53 (1,5 mm)
RD0000	203 mm	1,32 mm	# 55 (1,3 mm)	0,029	# 69 (0,7mm)	# 53 (1,5 mm)
RD0101	279 mm	1,524 mm	# 53 (1,5 mm)	0,042	# 58 (1 mm)	N / A
RD0202	305 mm	1,778 mm	# 50 (1,75 mm)	0,052	# 55 (1,3mm)	N / A
RD0303	356 mm	2,18 mm	# 44 (2,15 mm)	0,060	# 53 (1,5 mm)	N / A

Wide Pattern Mix Chamber Kits

Kit Part	Pattern Diameter at (609.6 mm) to target	Equivalent flow to mix chamber size	Nozzle Drill Bit Size (mm)	Impingement Drill Bit Size
WD2222	203,2 mm	N / A	1,2	# 74 (0,56 mm)
WD0000	381 mm	RD0000	1,59	# 70 (0,71 mm)
WD0101	406,4 mm	RD0101	1,78	# 61 (0,99 mm)
WD0202	457,2 mm	RD0202	2,15	# 56 (1,17 mm)
WD0303	457,2 mm	RD0303	2,26	145 mm

Flat Pattern Mix Chamber Kits

Kit Part	Nozzle Orifice Size (in.)	Nozzle Drill Bit Size (mm)	Impingement Port Size in	Impingement Drill Bit Size
FL2222	0,094	2,35	0,020	# 76 (0,50 mm)
FL0000	0,094	2,35	0,029	# 69 (0,70 mm)
FL0101	0,094	2,35	0,042	# 58 (1,00 mm)
FL0202	0,094	2,35	0,052	# 55 (1,30 mm)

Accessories:

256464	Stainless Steel Side Seal Kit, (includes 2 stainless steel side seals and 2 o-rings)
256465	SEAL KIT, Polycarballoy 2 pieces (Kits include a packing o-ring for each polycarballoy side seal)
256489	SEAL KIT, Polycarballoy same as 256465 but 20 pieces
256569	TP100, Flat Pattern Stud Wall Kits, (use to spray wall insulation foam into stud walls with a single pass)
256570	FTM979, Flat Pattern Stud Wall Kits, (use to spray wall insulation foam into stud walls with a single pass)
244914	Gun Cover , Pack of 10
248279	Lubricant for Gun Rebuild High adhesion, water resistant, lithium-basedLubricant (113 Gramm)
248280	Grease Cartridge for Gun Shutdown Cartridge, 3 oz
256641	Flushing Manifold block
256642	Fluid Inlet Cover, includes 15R910 and 15B221
15D546	Gun Cleaning Kit, includes 11 tools and brushes to clean the gun
15D234	Tip Cleanout ToolDesigned to fit CeramTip internal dome and flat tip slits
256385	25 cartridges ClearShot Liquid Cartridges MSD060
256386	50 cartridges ClearShot Liquid Cartridges MSD060
256387	100 cartridges ClearShot Liquid Cartridges MSD060

TWO COMPONENT UNITS – GUNS Probler P2

Manual: 313213



Part No.	Description	Kit Mix Chamber	Insert Mix Chamber	Hardware Kit
GCP2RA	Gun Probler P2	GC250A, RND, AA	GC251A, (0,036)	GC1948
GCP2R0		GC2500, RND, 00	GC2510, (0,051)	GC1947
GCP2R1		GC2501, RND, 01	GC2511, (0,059)	GC1947
GCP2R2		GC2502, RND, 02	GC2512, (0,073)	GC1947
GCP2R3		GC2503, RND, 03	GC2513, (0,088)	GC1947
GCP2R4		GC2504, RND, 04	GC2514, (0,100)	GC1949
GCP2R5		GC2505, RND, 05	GC2515, (0,125)	GC1949

Part No.	Accessories
GC0128	Air Switch assembly
258761	Piston lock assembly (rep kit 258762)
GC2496	Filter 40 Mesh (standard)
GC2497	Filter 100 Mesh
GC1937	Standard Repair kt
GC1950	Premium Repair kt
GC1946	Side Seal kit
GC1938	Flat Spray Kit
GC1952	Jet Stream Nozzle (0,059i.d.)
GC1953	Jet Stream Nozzle (0,070d.)
GC1954	Pour Adapter
GC1892	P2 Elite Conversion Kit
GC1956	Static Mixer Kit

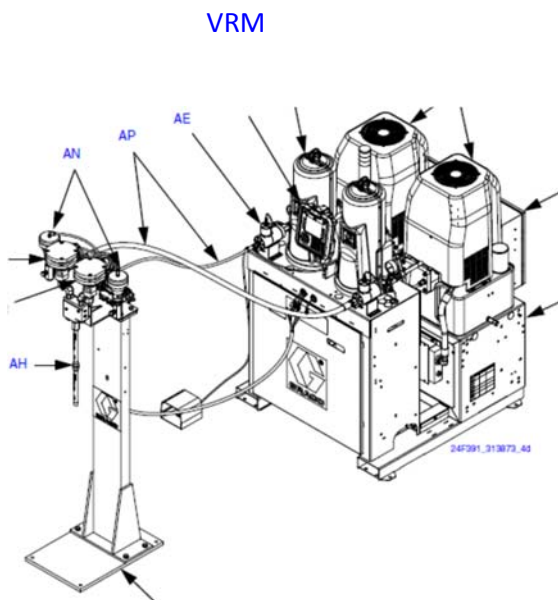
Round Mixing chamber	Mixing Chamber	Nozzle Cleaning Drill	Mixing Chamber	hole Cleaning Drill
GC250A	GC0081	0,033	GC0082	0,022
GC2500	GC0083	0,049	GC0080	0,035
GC2501	GC0068	0,057	GC0073	0,042
GC2502	GC0069	0,071	GC0074	0,052
GC2503	GC0072	0,086	GC0070	0,059
GC2504	GC0075	0,94	GC0071	0,067
GC2505	GC0076	0,116	GC0072	0,086

Spray Tip

Part No.	Orifice	Width	Part No.	Orifice	Width	Part No.	Orifice	Width
GC2573	0,015	25	GC2585	0,023	60	GC2597	0,043	50
GC2574		40	GC2586		40	GC2598		65
GC2575	0,018	25	GC2587	0,026	50	GC2599		25
GC2576		40	GC2588		65	GC2600	0,052	40
GC2577		50	GC2589		25	GC2601		50
GC2578		25	GC2590	0,031	40	GC2602		65
GC2579	0,021	40	GC2591		50	GC2603		25
GC2580		50	GC2592		25	GC2604	0,062	40
GC2581		65	GC2593	0,036	40	GC2505		50
GC2582		25	GC2594		50	GC2506		65
GC2583	0,023	40	GC2595	0,038	40	GC2507	0,072	40
GC2584		50	GC2596		50	GC2508		50
						GC2609	0,078	40

Variable Resin Machine

Hydraulic, plural-component, variable-ratio proportioner



Related Manuals

313874	Repair-parts	313873	Instruction
3A0239	Power Distribution Boxes Instructions-Parts		
3A0022	U-cup Dura-flo lowers		
3A1159	VRM Feed System		
310550	1/2" NPT Fluid port ball seat applicator		
310551	3/4" NPT Fluid port ball seat applicator		
3A0237	Heated Hoses and Applicator Kits, Instructions-Parts		
313872	EP™ Gun		
312185	MD2 Valve, Instructions-Parts		

Technical Data:

Max Fluid pressure:	138 bar
Max. Fluid temperature:	°C
Fluid inlet feed pressure:	5 Bar
Mix Ratio Range:	1 - 5
Flow Rates max:	Up to 30 kg/min
Fluid viscosity range:	10 – 10000 cp at 21°C
Output per cycle	1.01 L
Shot sizes	Minimum 2,02 L
Ratio accuracy	Shot accuracy of ±2%
Part numbers	24F872 - 230 V, 3 phase 60 A 24F391 - 400 V, 3 phase 55 A 24F873 - 400 V, 3 phase 55 A, CE

Wetted Parts:

Aluminum, stainless steel, zinc-plated carbon steel, brass, carbide, Chrome, fluoroelastomer, PTFE, ultra-high molecular weight polyethylene, chemically resistant o-rings

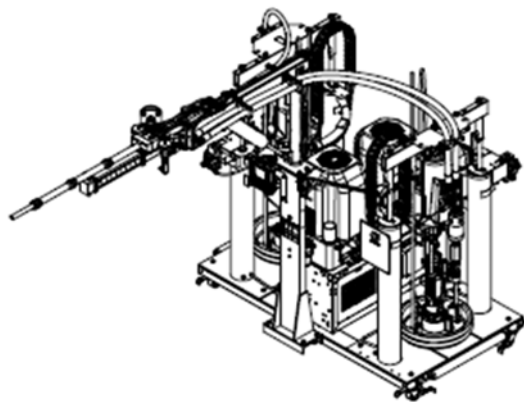
Not for use in explosive atmospheres !

Accessories

255468	Kit light tower
24F516	Isoguard. The lubricant creates a barrier between the Iso and atmosphere, 6 quarts

Variable Paste Machine

Hydraulic, plural-component, high-viscosity, variable-ratio proportioner



Related Manuals

312764	Repair-parts
313875	Instruction
3A0239	Power Distribution Boxes Instructions-Parts
3A0021	Vertical Hydraulic Driver
310550	1/2" NPT Fluid port ball seat applicator
310551	3/4" NPT Fluid port ball seat applicator

Technical Data:

Max Fluid pressure:	207 Bar
Max. Fluid temperature:	°C
Fluid inlet feed pressure:	5 Bar
Mix Ratio Range:	1 – 5
Flow rate max	25 kg/min
Ratio accuracy	Shot accuracy of ±2%
Fluid viscosity range:	70000 – 100000 cps at 21°C
Output per cycle	0.75 L
Part numbers	VPM-25 24F875 – 400 V, 3 Phase, 55 A, CE VPM-12 24J511 – 400 V, 3 Phase, 55 A, CE

Wetted Parts: Stainless steel, UHMW, Carbon steel

Not for use in explosive atmospheres!

Accessories

heated platen kits convert the standard platen to a heated platen to enable dispensing in lower temperature environments	
24E267	Heated platen kit B (Blue) side kit
24E268	Heated platen kit A (RED) side kit
Power conversion kits convert the voltage and CE approval of a system	
24E269	400 V Non-CE conversion kit
24E272	400 V CE conversion kit
24F516	Isoguard

TWO COMPONENT UNITS - GUNS

Pressure relive valve



237060
237061
237112
237062
237073
237063
237074

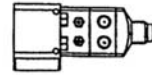
Cold spray kit



2K Gun

Hand

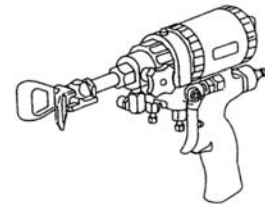
Automatic



965535
965536
965537
965538
570182

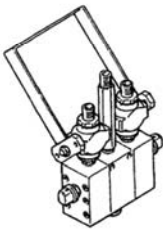
965533
965534
570145
570151 für P-Dose System

Fusion hand gun

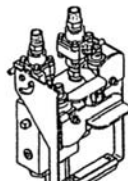


248597

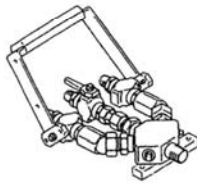
Mix valve



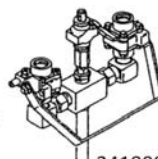
215626
241692



240225



207861
241809



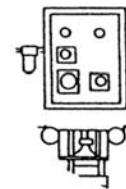
241808

2K Monitor System



233061
233062

Ratio Monitor



6773174

Lower



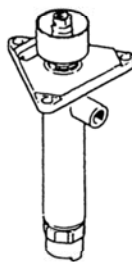
6791551
6791559

Standard cylinder



222012
222015
222017
222019
948640
948641

Lower



901878



215930



215932
217339

Gauge



6773222

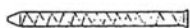


6779026

150 - Felt

106 565

Standard mixer



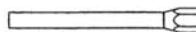
512012
512013
512014
512016
512071
512287

Retaining nut

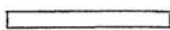


512290
512291
512292

Mixer sleeve



C55 866



512293
512294
512008

Mixer / Standard mixer



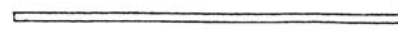
504068



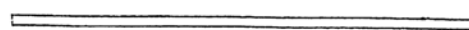
C26171



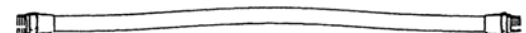
6773340



6773342



6773341



948208

TWO COMPONENT UNITS - GUNS

Part No.	Description	Manual
255827	same like 255 828 but without coupling block, tip or impinges	308547
237060	Pressure relief valve, opening pressure 52 bar, recommended operation range 33–40 bar	
237061	Pressure relief valve, opening pressure 103 bar, recommended operation range 66–79 bar	
237112	Pressure relief valve, opening pressure 155 bar, recommended operation range 97–124 bar	
237062	Pressure relief valve, opening pressure 207 bar, recommended operation range 124–159 bar	
237073	Pressure relief valve, opening pressure 259 bar, recommended operation range 159–200 bar	
237063	Pressure relief valve, opening pressure 310 bar, recommended operation range 200–248 bar	
237074	Pressure relief valve, opening pressure 414 bar, recommended operation range 248–345 bar	
965533	Automatic gun 2K Ultra-Lite, aluminium housing 210 bar	309000
570145	Automatic gun 2K Ultra-Lite, aluminium housing , bigger ratio	
570151	Automatic gun 2K Ultra-Lite for P-Dose system	
965534	Automatic gun 2K Ultra-Lite with SST housing,	
965535	Hand gun 2K Ultra-Lite with pneumatic switch, aluminium-housing	
570182	Hand gun 2K Ultra-Lite with pneumatic switch, aluminium housing, bigger ratio	
965536	Hand gun 2K Ultra-Lite with pneumatic switch, SST-housing	
965537	Hand gun 2K Ultra-Lite with electrical switch, aluminium-housing	305759
965538	Hand gun 2K Ultra-Lite with electrical switch, SST-housing	
	2K Ultralite Dispense kits (Cold spray, Joint filling)	311230
949631	Handle pneumatic	949632
	Handle electric	
207861	Static Mixer control, 210 bar, 1/4" NPT(m) fluid inlet, 1/2" NPT(m) fluid outlet,	306992
948338	Static Mixer control, 210 bar, 1/2" NPT(m) fluid inlet, 1/2" NPT(m) fluid outlet,	306992
241809	Static Mixer control, 210 bar, 1/4" NPT(m) fluid inlet, 3/8" NPT(m) fluid outlet, with mixer 512506	306992
241808	Static Mixer control, 210 bar, 1/2" NPT(m) fluid inlet, 3/8" NPT(m) fluid outlet, with mixer 512506	306992
215626	Mixer Manifold, 210 bar, 3/8" NPT(m) fluid inlet, 1/2" NPT(m) outlet	307400
241692	Mixer Manifold, 210 bar, 1/2" NPT (f) fluid inlet, 3/8" NPT(m) fluid outlet , with mixer 512506	307400
240225	Mix Manifold, 345 bar, 1/2" NPT(m) outlet, with 1/2" mixer 114 372	308858
222012	Standard lower No. 2, 85 cm³/ cycle	307944
222015	Standard lower No. 5, 68,07 cm³/ cycle (948195 SST)	307944
222017	Standard lower No. 7, 56,7 cm³/ cycle (948197 SST)	307944
222019	Standard lower No. 9, 42,5 cm³/ cycle	307944
948640	Standard lower No. 0, 138 cm³/ cycle 572,2 mm², max 210 bar	307944
948641	Standard lower No. 1, 115,2 cm³/ cycle 477,4 mm², max 210 bar	307944
215930	Standard lower No. 12, 115,89 cm³/ cycle max 140 bar	307431
215932	Standard lower No. 11 193,77 cm³/ cycle, 108mm stroke, PTFE max 138 bar	307430
217339	Lower 224 cm³/cycle 120,65 mm stroke PTFE max 138 bar	307430
901878	Lower (Bulldog 30:1) balance 191,5 cm³/ cycle	307862
6791551	Dispensing cylinder No.1, 248,5 cm³/ cycle	6000179
6791559	Dispensing cylinder No.4, 134,0 cm³/ cycle	6000178
512012	Standard mixer, plastic, 1/4" I.D. 3/8" O.D., 140 mm, 16 elem. order separately 512290 union nut	309000
512013	Standard mixer, plastic, 1/4" I.D. 1/2" O.D., 190 mm, 24 elem. order separately 512290 union nut	
512014	Standard mixer, plastic, 1/4" I.D. 3/8" O.D., 241 mm, 32 elem. order separately 512290 union nut	
512016	Standard mixer, plastic, 3/8" I.D. 1/2" O.D., 225 mm, 24 elem. order separately 512291 union nut	
512017	Standard mixer, plastic, 3/8" I.D. 1/2" O.D., 273 mm, 30 elem. order separately 512291 union nut	
512287	Standard mixer, plastic, 1/2" I.D. 3/8" O.D., 231 mm, 18 elem. order separately 512292 union nut	
512288	Standard mixer, plastic, 1/2" I.D. 1/2" O.D., 295 mm, 24 elem. order separately 512292 union nut	
512289	Standard mixer, plastic, 1/2" I.D. 3/8" O.D., 358 mm, 30 elem. order separately 512292 union nut	
551979	Standard mixer, plastic, 1/2" I.D. 1/2" O.D., 422 mm, 36 elem. order separately 512292 union nut	
512293	Protective tube (Al) for mixer 512013, order separately 512291 union nut 7/8" –14 UNF,	309000
512294	Protective tube (Al) for mixer 512014, order separately 512291 union nut 7/8" –14 UNF,	
C55866	Protective tube (Al) for mixer 512016, 1/2" I.D. 229 mm long, 7/8" – 14 UNC	
512008	Protective tube (Al) for mixer 512017, order separately 512292 union nut 7/8" –14 UNF,	
512296	Protective tube, (steel) with union nut for mixer 512287	
512297	Protective tube, (steel) with union nut for mixer 512288	
512298	Protective tube, (steel) with union nut for mixer 512289	
6773340	Standard mixer, 1/4" length 200 mm, connection thread, 11/16" (m), 24 elements	306961
504068	Standard mixer, 1/4" length 203 mm, connection thread, 1/4" NPT(m), 24 elements, 10 bar	
C26171	Standard mixer, 5/8" N-jet 356 mm, connection, 3/8" NPT(m), 12 elements, 135 bar	
6773342	Mixer, length incl. connection 370 mm, connection, 3/8" NPT(m), 30 elements, 210 bar	
114372	Standard mixer, 1/2" length 241 mm, connection, 1/2" NPT(m), 12 elements, 520 bar	
6773341	Standard mixer, 540 mm connection, 1/2"NPT(m) x 1/2"NPT(f), 30 elements, 210 bar	
948208	Mixer, 1/2", nylon hose 1/2 NPT(m) 673 mm length, 48(acetal) elements, 241 bar	
511353	Mixer, 1/4", SST/plastic, length 218 mm, connection 1/4" NPT(m), 32 elements, 65 bar	307399
511352	Mixer, 3/8", length 241 mm, connection, 3/8" NPT(m), 12 elements, 500 bar	
512506	Mixer, 3/8", SST/plastic, length 333 mm connection 3/8" NPT(m), 30 elements, 210 bar	
512099	Mixer, 3/4", length 375 mm connection 3/4" NPT(m), 12 elements, 193 bar	
6773174	Pressure monitoring, S.B. 227 A, 50:1 Airless and S.B.227 B, 10:1, pneumatic	
233061	2K-monitor system (not flameproof measuring cell)	6000198
233062	2K-monitor system (flameproof measuring cell)	309125
6773222	Manometer, 3/4" (m), with damping fluid, 0-400 Bar	

SST= Stainless Steel

18/12/12



Chapter 6a

<u>Name :</u>	<u>Manual :</u>	<u>Page :</u>
GlasCraft Air Motor	(3A0393)	6B-2
Graco NXT Motor FRP	(3A2315)	6B-3
Catalyst Pump	(3A1218)	6B-4
Super Slave Pump	(GC-1337)	6B-5
Fluid Selection (Lowers)	(GC-2313)	6B-6
20864- Series	(GC-1303)	6B-
External System	(GC-1369)	6B-6
RCD- System	(GC-1385)	6B-7
GlasCraft G2 System	(3A1191)	6B-8
Spartan	(GC-1202)	6B-9
Spartan 2	(GC-1355)	6B-10
GlasCraft Gel Coat	(3A1192)	6B-11
GlasCraft Chop	(3A1193)	6B-15
GlasCraft Gel Coat System External	(3A1194)	6B-21
GlasCraft Chop System External	(3A1195)	6B-25
Internal Chop System	(GC-1412)	6B-29
MCG Multi-Color Gel-Coat System	(3A1909)	6B-30
RS Gun	(3A0232)	6B-36
Probler P2 Gun / Elite Gun / Auto		6B-41
LPA2-IIG/S	(GC-1041)	6B-44
Indy Gun	(GC-1306)	6B-45
Indy X Gun	(GC-1367)	6B-46
Indy X Chop Gun	(GC-1388)	6B-47
Auto Indy	(GC-1390)	6B-48
Formula Gun	(GC-1387)	6B-49

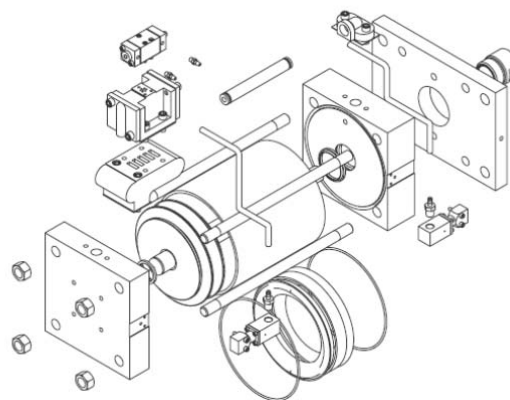
GlasCraft Air Motor & Repair Kits

Models : **AM-325** (3 in.)
Repair Kit 24C592

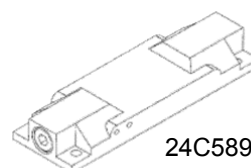
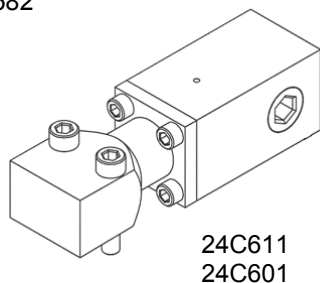
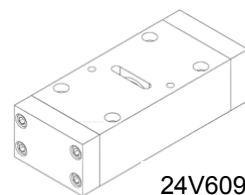
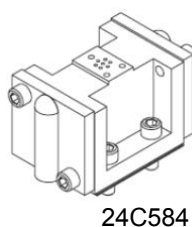
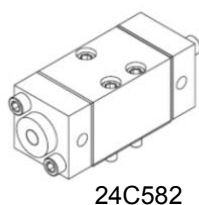
AM-500-02 (5 in.)
Repair Kit 24C597

GC2267 (5 in.)
Repair Kit 24C588

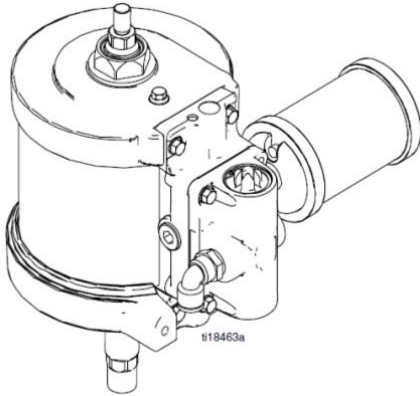
GC2273 (6 in.)
Repair Kit 24C610



Part No.	Description	Manual
24C582	Shifting Valve (for Air Motor AM-325/AM-500-02/GC2267) Repair Kit 24C583	3A0393
24C589	Stroke Signal Valve (for Air Motor AM-325 / AM-500-02)	
24C601	Stroke Signal Valve (for Air Motor GC2267)	
24C611	Stroke Signal Valve (for Air Motor GC2273)	
24C609	Main Valve (for Air Motor GC2273)	
24C584	Slave Valve (for Air Motor GC2267)	



NXT Air - Motor for FRP



M07LNL

Model: M07LNL	
Manual	3A2315
Manual Data Trak :	313541
Maximum air inlet pressure	7.0 bar
Air motor displacement.	700 cc
Stroke length	5,08mm
Air inlet size	1/2" (f)
Maximum motor speed	70 cycles/min

Repair Parts :

Air Motor	Seal Kit	16N238
Air Valve	Seal Kit	24A536
Air Valve	Rebuild Kit	24A538
Air Valve	End Cap Kit (for standard air valve 24A352 only)	24A361
Air Valve	End Cap Kit (smart Air Valve 24A354)	24A363
Air Valve	Screw Kit (10 pieces)	24A359
Valve pilot		247391
Muffler	(Fitting 15T560)	117237

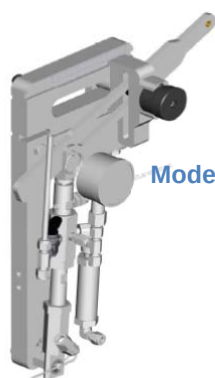
Kits and Accessories :

DataTrak with Runaway Protection Upgrade Kit; Kit contains: 24A354 - Smart Air Valve Kit 24A576 - DataTrak Repair Kit with Runaway Protection	16M881
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Catalyst Pump

All 316 Stainless Steel Construction

For use with Polyester Resin and Gel-Coat



Model: 24G501
24G502
24G503
24G504

Technical Data:

Manual	3A1218
Declaration	EC-199280
Max. fluid working pressure	
24G501	90 bar
24G502	6 bar
24G503	137 bar
24G504	6 bar
Weight	6,17 kg
Max fluid temperature	38° C
Wetted parts:	
chemically coated aluminum, stainless steel, chemically resistant O-rings	

Model	Description
24G501	Internal Catalyst Pump, 90 bar
24G502	External Catalyst Pump, 6 bar
24G503	Internal Catalyst Pump 17 :1, 137 bar
24G504	External Catalyst Pump 17 :1, 6 bar
24G505	Mounting - Internal Catalyst Pump (incl. Pump 24G501)
24G506	Mounting - External Catalyst Pump (incl. Pump 24G502)
24G507	Mounting - 17:1 Internal Catalyst Pump (incl. Pump 24G503)
24G508	Mounting - 17:1 External Catalyst Pump (incl. Pump 24G504)
LPA-190-RK	Catalyst Pump Repair Kit
LPA-190-SK	Catalyst Pump Seal Kit

Super Slave Pump

All 316 Stainless Steel Construction

For use with Polyester Resin and Gel-Coat



Model: SSP-160 XXX

Technical Data:

Manual	GC-1337
Declaration	EC- N.N
Max. fluid working pressure	138 bar
Weight	6,17 kg
Max fluid temperature	38° C
Wetted parts:	
chemically coated aluminum, stainless steel, chemically resistant O-rings	



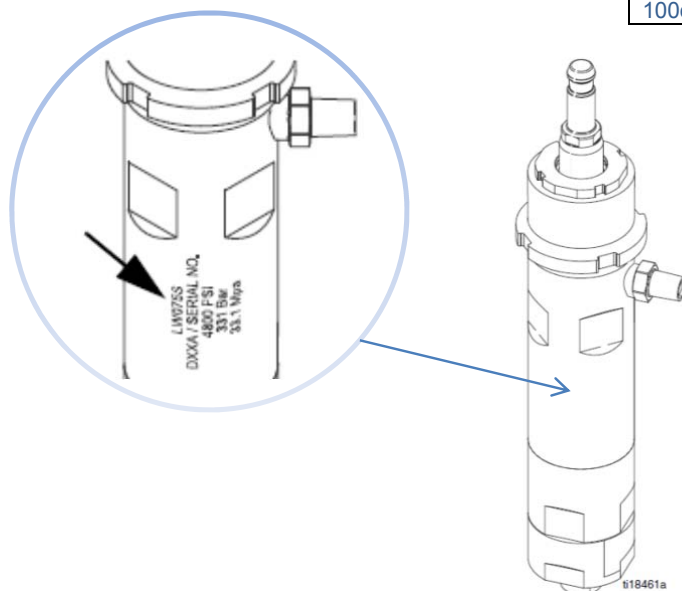
Chapter 6a

Fluid Selection (Lowers)

Graco Part No.	Glascraft Part No.	Description	Use by :	Manual
GC0329	19875-00 Repkit GC0819	Volume 0,79cc / cycle	GC0320 1 :1 Pump GC1736 Guardian A5-3000	313278
GC0377	19975-01 Repkit GC0903		GC0442 Proportioner 5in. GC1848 Frame, A5	313281
GC1149	22370-00 No rep kit		GC0515 Proportioner 7in. GC1852 Frame, A7 GC1854 Frame, A7 GC1855 Frame, A7	313282
GC0455	20366-00 No rep kit			313283
GC0975	22120-00 Repkit GC0638		GC0953 Proportioner MH	313460
GC1302	22735-00			313288
GC0808	21835-00	GC0321 PROPORTIONER, GC1455 PROPORTIONER,MH-2,PHASE GC1456 PROPORTIONER MH II,1PH,3HP GC1467 PROPORTIONER,UNIT,MH-2 GC1490 PUMP,HYDR.220,1PH,5HP,MMH GC1491 PUMP,HYDR.220,3PH,5HP,MMH GC1492 PUMP,HYDR.380,3PH,5HP,MMH GC1632 PROPORTIONER,MH3,220,1PH GC1641 PROPORTIONER,MH3,220/380,3P GC1734 PUMP,A5 SERIES,GUARDIAN GC1735 PUMP,ASSY,A6 SERIES,GUARDIAN GC1814 PROPORTIONER,ASSY,SUPER MAXI	19852-511-01 2222805-01 22850-01A 22850-XX 22870-01 22870-02 22870-03 2300-01 23300-XX 23460-00 23460-01 23625-00	313287
GC0633	21270-01	Pump 1 :1 Inline		313464
GC0376	19975-00 Repkit GC0903	Pump 2 :1		313467
GC0809	21835-01	GC1490 GC1491 GC1492	PUMP,HYDR.220,1PH, PUMP,HYDR.220,3PH, PUMP,HYDR.380,3PH,	22870-01 22870-02 22870-03 313482
GC1147	22350-00 Repkit GC0638	257082 GC0514 GC1124 GC1851 GC1852 GC1853	PUMP,VR PROPORTIONER,7" MOTOR 1,5:1 PROPORTIONER,UNIT,MHVR FRAME, VR,A7 FRAME, VR,A7 FRAME, VR,A7	--- 21000-711 22300-XX 23860-711 23860-712 23860-713 313485
GC0456	20366-01 Rep. kit GC1083	GC1853 GC1855 GC1856	FRAME, VR,A7 FRAME, VR,A7 FRAME, VR,A7	23860-713 23860-723 23860-733 313517
GC0220	18175-01 Rep. kit GC0819	GC0441 GC0442 GC0443 GC1847 GC1848 GC1849	PROPORTIONER,5"MOTOR, PROPORTIONER,5"MOTOR PROPORTIONER,5"MOTOR FRAME,VR,A5 FRAME,VR,A5 FRAME,VR,A5	20290-511 20290-521 20290-531 23860-511 23860-512 23860-513 313518

U-Cup Displacement Pump

Manual :	3A2313
Stroke length	2 in. (50,8 mm)
Maximum operating temperature	71°C
Fluid inlet	3/4 in. NPT
Fluid outlet	3/8 in. NPT
Max. working pressure :	
75cc	331 bar
100cc	248 bar



First Digit Lower	Second Digit		Third, Fourth, and Fifth Digits Pump Volume Cycle in cc	Sixth Digit Pump Material	
L	W	Wet-cup style	075	S	Stainless Steel
			100	C	Carbon Steel

Part No.	Description	
LW075S	Lower 75cc, Stainless Steel	<u>Seal Repair Kit:</u> 16N231
		<u>Seat Repair Kit:</u> 24A783 Tungsten carbide 24A796 Stainless Steel
		<u>Check Ball Kit:</u> 24A263 Tungsten carbide 24A669 Stainless Steel
		<u>Wet-Cup O-Ring:</u> 24A631
LW100C	Lower 100cc, Carbon Steel	<u>Seal Repair Kit:</u> 16N232
		<u>Seat Repair Kit:</u> 24A784 Tungsten carbide 24A797 Stainless Steel
		<u>Check Ball Kit:</u> 24A264 Tungsten carbide 24A670 Stainless Steel
		<u>Wet-Cup O-Ring:</u> 24A632

Fluid Selection (Lowers)

20864-Series

Material Pump 20287-00

PMP-5 :1

Pump 5 :1

incl. **20864-04** / 19890-01 / GAM-268-01

[Fluid section 20287-00 / Air Motor AM-325](#)

PMP-11:1S

Pump 13 :1

incl. **20864-05** / 19890-00 / GAM-268-01

[Fluid section 20287-00 / Air Motor AM-500-02](#)

23200-00

Spartan2

incl. **20864-06**

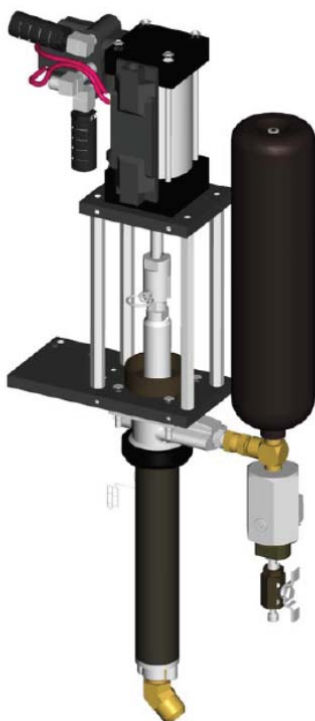
[Fluid section 20287-00 / Air Motor AM-500-02](#)

21650-00

Spartan

incl. **20864-07**

[Fluid section 20287-00 / Air Motor AM-500-02](#)



Technical Data:

Manual	GC-1303
Declaration	N.N
Max. fluid working pressure	90 bar
Weight	98 kg
Max fluid temperature	38° C
Stroke length	101,6mm
Volume per cycle	192cc
Wetted parts:	
chemically coated aluminum, stainless steel, chemically resistant O-rings	

11:1	Pump 24G513 (PMP-11:1-S) Air Motor AM-500-02 (5") (GC2267)
17:1	Pump 24G514 (PMP-17:1) Air Motor 21775-00 (6") (GC2273)
20:1	Pump 24G515 (PMP-20:1) Air Motor AM-500-02 (5") (GC2267)
11:1	Pump 24G516 (PMP-11:1) Air Motor AM-500-02 (5") (GC2267)
17:1	Pump 24G517 (PMP-17:1) Air Motor 21775-00 (6") (GC2273)
20:1	Pump 24G518 (PMP-20:1) Air Motor AM-500-02 (5") (GC2267)
11:1	Pump 24G519 (PMP-11:1) Air Motor AM-500-02 (5") (GC2267)
17:1	Pump 24G520 (PMP-17:1) Air Motor 21775-00 (6") (GC2273)
20:1	Pump 24G521 (PMP-20:1) Air Motor AM-500-02 (5") (GC2267)

External System

Gel-coat external mix system.

For use with polyester resin and gel coat.



Model: 20864-05
21780-01
22026-01

Manual	GC-1369
Declaration	EC- N.N
Max. fluid working pressure	
20864-05	90 bar
21780-01	117 bar
22026-01	138 bar
A-Comp. (Catalyst) inlet size	1/4in. Tube
B-Comp. (Resin) inlet size	1-5/16-12UN-2A
Weight	98 kg
Max fluid temperature	38° C
Wetted parts:	
Catalyst:	chemically coated aluminum, stainless steel, chemically resistant O-rings
Resin:	carbon steel, carbide, chemically resistant O-rings

11:1	Pump 20864-05 (PMP-11:1) Air Motor AM-500-02 (5") (GC2267) Manual 3A0393
17:1	Pump 21780-01 (PMP-17:1) Air Motor 21775-00 (6") (GC2273) Manual 3A0393
20:1	Pump 22026-01 (PMP-20:1) Air Motor AM-500-02 (5") (GC2267) Manual 3A0393

Standard Equipment

Part No.	Description
SSP-160-02	Super Catalyst Slave Pump assembly
GAM-268-01	Material Pump Pick-up Kit
20195-25	Material hose assembly, 25FT (7,6m)
17440-00	Grounding clamp assembly
MPB-375	Air Manifold
LPA-165	Catalyst bottle assembly
LPA-170	Catalyst bottle bracket assembly
9704-53	BLK Tubing 1/4" AAC, 30ft. (9m)
9704-83	RED Tubing 1/4" Atomized Air, 30ft. (9m)
20190-00	Catalyst hose 25ft. (7,6m)
19890-00	Mounting Clamp
663	Mast
20638-00	Caster
9704-03	Trigger air tubing (1/4in. clear, 28ft.) (Formula gun only)

RCD- System (Resin Catalyst Dispense)

Gel-Coat External Mix System

For use with Polyester Resin and Gel-Coat

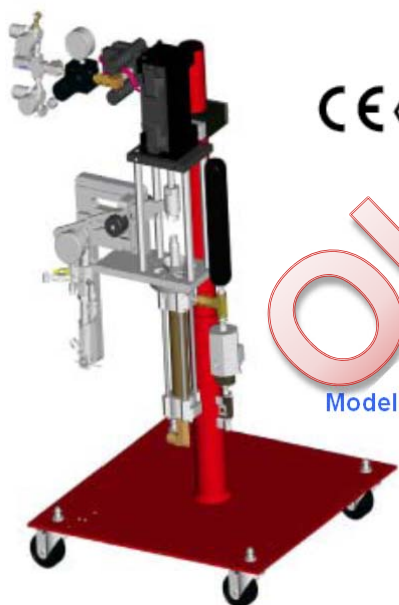


Manual	GC-1385
Declaration	EC-199274
Max. fluid working pressure	90 bar
B-Comp. (Resin) inlet size	1-5/16-12UN-2A
Weight	109 kg
Max fluid temperature	38° C
Wetted parts:	
Catalyst: chemically coated aluminum, stainless steel, chemically resistant O-rings	
Resin: carbon steel, carbide, chemically resistant O-rings	

11:1	Pump 20864-05 (PMP-13:1) Air Motor AM-500-02 (5") (GC2267) Manual 3A0393
M20864-05	Mounting Slave Pump
SSP-175	Kit Guard

GlasCraft G2 System

Gel-coat external mix system.
For use with polyester resin and gel coat.



Model: 24G379

Technical Data:

Manual	3A1191
Declaration	EC-199274
Max. fluid working pressure	90 bar
Max. air inlet pressure	7 bar
Catalyst Ratio	0,5 - 3,5%
B component (resin) inlet size	1 5/16-12 UN-2A male
Air consumption	600 liter / 7bar
Max Viscosity	600 mPas
Resin flow / min	5,5 kg
Max fluid temperature	38° C

Wetted parts:

Catalyst: chemically coated aluminum, stainless steel, chemically resistant O-rings

Resin: carbon steel, carbide, chemically resistant O-rings

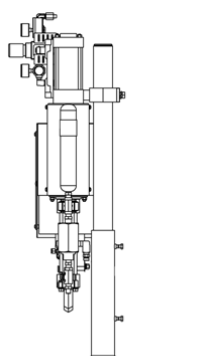
11:1 Pump 32513-00 (PMP-13:1)

Air Motor AM-325

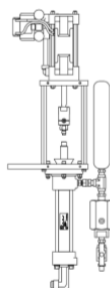
Manual 3A0393

Part No.	Description			Manual
24G379	G2 System Parts: 24G509 Proportioner FRP/G2/XG , 258840, RS external gel Gun, 24G398 Hose bundle 7,5m, LPA-165 Catalyst bottle, LPA-170 catalyst bottle bracket			3A1191
24G506	Mounting assy. SSP-160-xx & slave pump 24G502 (3,25cc)			
24G538	Air Manifold assembly			
GAM-268	Material suction kit 55Gal (208Liter)			
21460-00	Heater conversion kit (240V)			
24G398	Hose bundle, 7,6m	24G399	Hose bundle, 15,2m	
LPA-165	Catalyst Bottle	LPA-170	Catalyst Bottle Bracket	
258840	RS Gun without cutter , External Mix, Gel Gun			3A0232

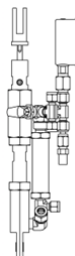
† Not shown



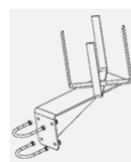
24G509



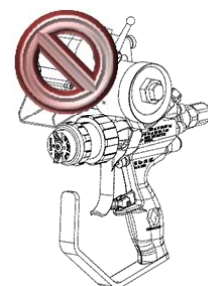
32513-00



24G502



LPA-170



258840
3A0232

Spartan

RTM Injection system

For use with Polyester Resin and Gel-Coat



Technical Data:

Manual	GC-1202
Declaration	EC-199288
Max. fluid working pressure	90 bar
Max. air inlet pressure	7 bar
Weight	103 kg
B Component (Resin) Inlet Size	1 5/16-12 UN-2A Male
Max fluid temperature	38° C
Wetted parts:	
Catalyst: chemically coated aluminum, stainless steel, chemically resistant O-rings	
Resin: carbon steel, carbide, chemically, resistant O-rings	

Model: 21650-00 (without solvent pot)

Standard Equipment

Part No.	Description
21650-00	System Spartan Unit
20864-07	Material Pump Assembly , 13:1 Ratio Air Motor AM-500-02 (5 inc) (GC2267) Manual 3A0393
SSP-160-01	Super Catalyst Slave Pump assembly
21661-00	Air Logic assembly
20941-00	Catalyst bottle assembly
LPA-169	Catalyst bottle bracket assembly
18291-01 / 20569-01	Base & Mast
21654-00	Solvent Tank assembly (no Atex !!!)
GAM-268-01	Material Pump Pick-up Kit
21694-25	Material hose assembly, 25FT (7,6m)
20195-30	Material recirculation hose
17440-00	Grounding clamp assembly
20190-30	Catalyst hose 30ft. (9m)
20945-00	Catalyst recirculation hose
21054-00	Solvent hose 38ft. (11,5m)
21668-01	Gun assembly

Spartan 2

RTM Injection system

For use with Polyester Resin and Gel-Coat



Technical Data:

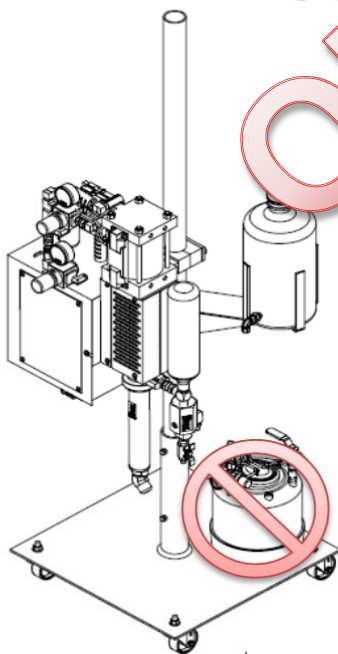
Manual	GC-1355
Declaration	EC-199288
Max. fluid working pressure	90 bar
Max. air inlet pressure	7 bar
Weight	103 kg
B Component (Resin) Inlet Size	1 5/16-12 UN-2A Male
Air Requirements	481 l / min @ 6.8 bar
Material Pump Output	9.46 l / min
Catalyst Slave Pump Range	0.5% to 4.5%
Max fluid temperature	38° C
Wetted parts:	
Catalyst: chemically coated aluminum, stainless, steel, chemically resistant O-rings	
Resin: carbon steel, carbide, chemically, resistant O-rings	

Part No.	Description
23200-00	Spartan 2
23240-00	Spartan 2 Auto (deluxe)
20864-06	Material Pump Assembly , 13:1 Ratio Air Motor AM-500-02 (5 inc) (GC2267) Manual 3A0393
SSP-160-01	Super Catalyst Slave Pump assembly
21661-00	Air Logic assembly
20941-00	Catalyst bottle assembly
LPA-169	Catalyst bottle bracket assembly
18291-01 / 20569-01	Base & Mast
21654-00	Solvent Tank assembly (no Atex !!!)
GAM-268-01	Material Pump Pick-up Kit
21694-25	Material hose assembly, 25FT (7,6m)
20195-30	Material recirculation hose
17440-00	Grounding clamp assembly
20190-30	Catalyst hose 30ft. (9m)
20945-00	Catalyst recirculation hise
21054-00	Solvent hose 38ft. (11,5m)
21668-01	Gun assembly
23220-00	Control Box Assembly

GlasCraft Gel Coat

**Low emission internal-mix gel coat system.
For use with Polyester Resin and Gel-Coat.**

(without solvent pot !!!)



CE

Technical Data:

Manual:	3A1192
Related Manuals: 20864- Series Operation FRP 22026-01 Parts List Air Motor	GC-1303 GC-1360 3A0393
EC-declaration:	EC-199274
Max. fluid working pressure: 11:1 17:1 20:1	90 bar 117 bar 138 bar
Max. air inlet pressure	7 bar
Max fluid temperature	38° C
Wetted parts:	
Catalyst: chemically coated aluminum, stainless steel, chemically resistant O-rings	
Resin: carbon steel, carbide, chemically resistant O-rings	

11:1	Pump 24G513 (PMP-11:1) Air Motor AM-500-02 (5") (GC2267) Manual 3A0393
17:1	Pump 24G514 (PMP-17:1) Air Motor 21775-00 (6") (GC2273) Manual 3A0393

GlasCraft Gel Coat

System Internal mix

Manual 3A1192

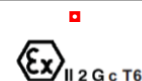
Part No.	Mounting	Pump Ratio	Solvent ** Tank	Heater	Hose Bundle	Gun
24G145	Cart MTG-FW/C	11:1 24G513	(2 gal.) 7,6 Liter 24G405	120Vac	7,6 m	258853
24G146				120Vac	15,2 m	
24G147				120Vac	none	
24G148				240Vac	7,6 m	
24G149				240Vac	15,2 m	
24G150				240Vac	none	
▼24G151			(2 gal.) 7,6 Liter 24G405	None	7,6 m	
▼24G152				None	15,2 m	
▼24G153				none	none	
24G154			(5 gal.) 18,9 Liter 24G406	120Vac	7,6 m	
24G155				120Vac	15,2 m	
24G156				120Vac	none	
24G157				240Vac	7,6 m	
24G158				240Vac	15,2 m	
24G159				240Vac	none	
▼24G160		17:1 24G514	(5 gal.) 18,9 Liter 24G406	None	7,6 m	Manual 3A0232
▼24G161				None	15,2 m	
▼24G162				none	none	
24G163			(2 gal.) 7,6 Liter 24G405	120Vac	7,6 m	
24G164				120Vac	15,2 m	
24G165				120Vac	none	
24G166				240Vac	7,6 m	
24G167				240Vac	15,2 m	
24G168				240Vac	none	
■24G169			(2 gal.) 7,6 Liter 24G405	None	7,6 m	
■24G170				None	15,2 m	
■24G171				none	none	
24G172			(5 gal.) 18,9 Liter 24G406	120Vac	7,6 m	
24G173				120Vac	15,2 m	
24G174				120Vac	none	
24G175				240Vac	7,6 m	
24G176				240Vac	15,2 m	
24G177				240Vac	none	
■24G178		20:1 24G515	(5 gal.) 18,9 Liter 24G406	None	7,6 m	
■24G179				None	15,2 m	
■24G180				none	none	
24G181			(2 gal.) 7,6 Liter 24G405	120Vac	7,6 m	
24G182				120Vac	15,2 m	
24G183				120Vac	none	
24G184				240Vac	7,6 m	
24G185				240Vac	15,2 m	
24G186				240Vac	none	
▼24G187			(2 gal.) 7,6 Liter 24G405	None	7,6 m	
▼24G188				None	15,2 m	
▼24G189				none	none	
24G190			(5 gal.) 18,9 Liter 24G406	120Vac	7,6 m	
24G191				120Vac	15,2 m	
24G192				120Vac	none	
24G193				240Vac	7,6 m	
24G194				240Vac	15,2 m	
24G195				240Vac	none	
▼24G196			(5 gal.) 18,9 Liter 24G406	None	7,6 m	
▼24G197				None	15,2 m	
▼24G198				none	none	

** Since 2012 units sale
without solvent tank
(solvent tank without Atex)

Hose Bundle:
7,6m = 24G393
15m = 24G394

Heater conv. kit:
Manual: 307363
EC- 194251

120VAC = 21460-01
(heater 226816)
240Vac = 21460-00
(heater 226819)



GlasCraft Gel Coat System Internal mix

Manual 3A1192

Part No.	Mounting	Pump Ratio	Solvent ** Tank	Heater	Hose Bundle	Gun
24G199	none	11:1	(2 gal.) 7,6 Liter	120Vac	7,6 m	258853
24G200				120Vac	15,2 m	
24G201				120Vac	none	
24G202				240Vac	7,6 m	
24G203			24G405	240Vac	15,2 m	
24G204				240Vac	none	
▼24G205				none	7,6 m	
▼24G206				none	15,2 m	
▼24G207				none	none	
24G208		24G513	(5 gal.) 18,9 Liter	120Vac	7,6 m	
24G209				120Vac	15,2 m	
24G210				120Vac	none	
24G211				240Vac	7,6 m	
24G212				240Vac	15,2 m	
24G213				240Vac	none	
▼24G214			(5 gal.) 18,9 Liter	none	7,6 m	
▼24G215				none	15,2 m	
▼24G216				none	none	
24G217		17:1	(2 gal.) 7,6 Liter	120Vac	7,6 m	Manual 3A0232
24G218				120Vac	15,2 m	
24G219				120Vac	none	
24G220				240Vac	7,6 m	
24G221			24G405	240Vac	15,2 m	
24G222				240Vac	none	
■24G223				none	7,6 m	
■24G224				none	15,2 m	
■24G225				none	none	
24G226		24G514	(5 gal.) 18,9 Liter	120Vac	7,6 m	
24G227				120Vac	15,2 m	
24G228				120Vac	none	
24G229				240Vac	7,6 m	
24G230			24G406	240Vac	15,2 m	
24G231				240Vac	none	
■24G232				none	7,6 m	
■24G233				none	15,2 m	
■24G234				none	none	
24G235		20:1	(2 gal.) 7,6 Liter	120Vac	7,6 m	
24G236				120Vac	15,2 m	
24G237				120Vac	none	
24G238				240Vac	7,6 m	
24G239			24G405	240Vac	15,2 m	
24G240				240Vac	none	
■24G241				none	7,6 m	
■24G242				none	15,2 m	
■24G243				none	none	
24G244		24G515	(5 gal.) 18,9 Liter	120Vac	7,6 m	
24G245				120Vac	15,2 m	
24G246				120Vac	none	
24G247				240Vac	7,6 m	
24G248			24G406	240Vac	15,2 m	
24G249				240Vac	none	
■24G250				none	7,6 m	
■24G251				none	15,2 m	
■24G252				none	none	

Since 2012 units sale without solvent tank (solvent tank without Atex)

Hose Bundle:
7,6m = 24G393
15m = 24G394

Heater conv. kit:
Manual: 307363
EC- 194251
120VAC = 21460-01 (heater 226816)
240Vac = 21460-00 (heater 226819)





GlasCraft Gel Coat

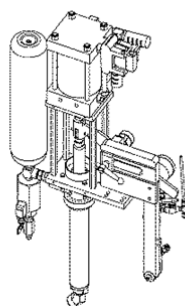
System Internal mix

Manual 3A1192

Part No.	Description			Manual
20864-05	Material Pump assembly 11:1, spring loaded			3A1192
21780-01	Material Pump assembly 17:1			
22026-01	Material Pump assembly 20:1			
24G501	Catalyst pump assembly (slave pump) / 11:1 / 20:1 (3,25cc)			
24G503	Catalyst pump assembly (slave pump) / 17:1 (3,25cc)			
GAM-268-01	Material pick-up kit			
‡ 24G393	Material hose assembly; 25 ft.	‡ 24G394	Material hose assembly; 50 ft.	
17440-00	Grounding clamp assembly			
24G532	Air manifold, 11:1 / 20:1			
24G533	Air manifold, 17:1			
24G405	Solvent tank 2 gal. no Atex	24G406	Solvent tank 5 gal. no Atex	
19890-01	Mounting clamp			
‡ 18291-01	Portable base			
‡ 663	Mast			
20638-00	Casters			
‡ LPA-165	Catalyst bottle			
LPA-170	Catalyst bottle bracket			
‡ 21460-00	Heater Conversion Kit Continued 230V (Heater manual 307393)			
‡ 21460-01	Heater Conversion Kit continued 120V (Heater manual 307393)			

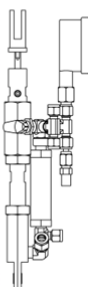
‡ Not shown

Material Pump assy.



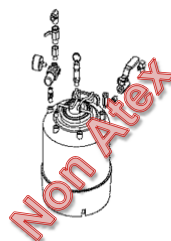
20864-05
21780-01
22026-01

Catalyst Pump Assy.

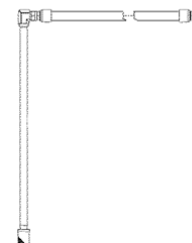


24G501
24G503

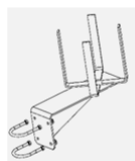
Solvent Tank
24G405 shown
24G406



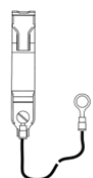
Pick-up Kit



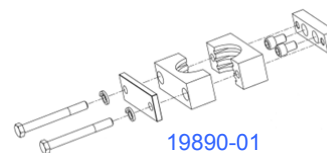
GAM-268-01



LPA-170



17440-00



19890-01

GlasCraft Chop

Low emission **internal-mix** gel coat chop system.
For use with Polyester Resin and Gel Coat



Technical Data:

Manual:	3A1193
EC-declaration:	EC-199274
Max. fluid working pressure:	
11:1	90 bar
17:1	117 bar
20:1	138 bar
Max. air inlet pressure	7 bar
Max fluid temperature	38° C
Wetted parts:	
Catalyst: chemically coated aluminum, stainless steel, chemically resistant O-rings	
Resin: carbon steel, carbide, chemically resistant O-rings	

11:1	Pump 24G510 (PMP-11:1) Air Motor AM-500-02 (5") (GC2267) Manual 3A0393
17:1	Pump 24G511 (PMP-17:1) Air Motor 21775-00 (6") (GC2273) Manual 3A0393
20:1	Pump 24G512 (PMP-20:1) Air Motor AM-500-02 (5") (GC2267) Manual 3A0393

Manual: 3A1193

[illegible]

240Vac = 21460-00
(heater 226819)



GlasCraft Chop System Internal (Cart Mounting)

Manual: 3A1193

Part No.	Mounting	Pump Ratio	Solvent ** Tank	Heater	H B d'	in
24G049	GCC241 (MTG-CMB) (760-01)	20-1 3512	(2 gal.) 7,6 Liter	120V	7,6 m	258971 Manual 3A0232
24G050				120V	10,6 m	
24G051				120V	15,2 m	
24G052				240V	none	
24G053			24G40	240V	7,6 m	
24G054				240V	10,6 m	
24G055				240V	15,2 m	
24G056				240V	none	
24G057			(2 gal.)	none	7,6 m	
24G058			(2 gal.)	none	10,6 m	
24G059			(2 gal.)	none	15,2 m	
24G060			24G405	none	none	
24G061			(5 gal.) 18,9 Liter	120V	7,6 m	
24G062				120V	10,6 m	
24G063				120V	15,2 m	
24G064				120V	none	
24G065			24G406	240V	7,6 m	
24G066				240V	10,6 m	
24G067				240V	15,2 m	
24G068				240V	none	
24G069			(5 gal.)	none	7,6 m	
24G070			(5 gal.)	none	10,6 m	
24G071			(5 gal.)	none	15,2 m	
24G072			24G406	none	none	

Hose Bundle:

7,6m = 24G390
10,6m = 24G391
15m = 24G392

Heater conv. kit:

Manual: 307363
EC- 194251

120VAC = 21460-01
(heater 226816)

240Vac = 21460-00
(heater 226819)



** Since 2012 units sale without solvent tank (solvent tank is without Atex)

GlasCraft Chop System Internal

(none Mounting)

Manual: 3A1193

Part No.	Mounting	Pump Ratio	Solvent ** Tank	Heater	Hose Bundle	Gun
24G073	none	11:1	(2 gal.) 7,6 Liter 24G405	120V	7,6 m	24G116
24G074				120V	10,6 m	
24G075				120V	15,2 m	
24G076				120V	none	
24G077				240V	7,6 m	
24G078				240V	10,6 m	
24G079				240V	15,2 m	
24G080				240V	none	
▣ 24G081			(2 gal.) 7,6 Liter 24G405	none	7,6 m	
▣ 24G082				none	10,6 m	
▣ 24G083				none	15,2 m	
▣ 24G084				none	none	
24G085		24G510	(5 gal.) 18,9 Liter 24G406	120V	7,6 m	
24G086				120V	10,6 m	
24G087				120V	15,2 m	
24G088				120V	none	
24G089				240V	7,6 m	
24G090				240V	10,6 m	
24G091				240V	15,2 m	
24G092				240V	none	
▣ 24G093			(5 gal.) 18,9 Liter 24G406	none	7,6 m	
▣ 24G094				none	10,6 m	
▣ 24G095				none	15,2 m	
▣ 24G096				none	none	
24G097		17:1	(2 gal.) 7,6 Liter 24G405	120V	7,6 m	
24G098				120V	10,6 m	
24G099				120V	15,2 m	
24G100				120V	none	
24G101				240V	7,6 m	
24G102				240V	10,6 m	
24G103				240V	15,2 m	
24G104				240V	none	
▼ 24G105			(2 gal.) 7,6 Liter 24G405	none	7,6 m	
▼ 24G106				none	10,6 m	
▼ 24G107				none	15,2 m	
▼ 24G108				none	none	
24G109		24G511	(5 gal.) 18,9 Liter 24G406	120V	7,6 m	
24G110				120V	10,6 m	
24G111				120V	15,2 m	
24G112				120V	none	
24G113				240V	7,6 m	
24G114				240V	10,6 m	
24G115				240V	15,2 m	
24G116				240V	none	
▼ 24G117			(5 gal.) 18,9 Liter 24G406	none	7,6 m	
▼ 24G118				none	10,6 m	
▼ 24G119				none	15,2 m	
▼ 24G120				none	none	

Hose Bundle:

7,6m = 24G390

10,6m = 24G391

15m = 24G392

Heater conv. kit:

Manual: 307363

EC- 194251

120VAC = 21460-01

(heater 226816)

240Vac = 21460-00

(heater 226819)

Manual
3A0232

** Since 2012 units sale without solvent tank (solvent tank is without Atex)

GlasCraft Chop System Internal (none Mounting)

Manual: 3A1193

Part No.	Mounting	Pump Ratio	Solvent ** Tank	Heater	Hose Bundle	Gun
24G121	none	20:1	(2 gal.) 7,6 Liter	120V	7,6 m	258971 Manual 3A0232
24G122				120V	10,6 m	
24G123				120V	15,2 m	
24G124				120V	15,2 m	
24G125			24G405	240V	7,6 m	
24G126				240V	10,6 m	
24G127				240V	15,2 m	
24G128				240V	none	
24G129			(2 gal.) 7,6 Liter	none	7,6 m	
24G130				none	10,6 m	
24G131				none	15,2 m	
24G132				none	none	
24G133		24G512	(5 gal.) 18,9 Liter	120V	7,6 m	
24G134				120V	10,6 m	
24G135				120V	15,2 m	
24G136				120V	none	
24G137			24G406	240V	7,6 m	
24G138				240V	10,6 m	
24G139				240V	15,2 m	
24G140				240V	none	
24G141			(5 gal.) 18,9 Liter	none	7,6 m	
24G142				none	10,6 m	
24G143				none	15,2 m	
24G144				none	none	

Hose Bundle:
7,6m = 24G390
10,6m = 24G391
15m = 24G392

Heater conv. kit:
Manual: 307363
EC- 194251

120VAC = 21460-01
(heater 226816)

240Vac = 21460-00
(heater 226819)


Ex II 2 G c T6


Ex II 2 G c T4

** Since 2012 units sale without solvent tank (solvent tank is without Atex)

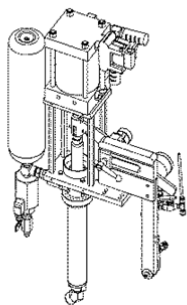
GlasCraft Chop System Internal

Manual: 3A1193

Part No.	Description			Manual
24G501	Catalyst pump assembly (slave pump) / 11:1 / 20:1 (3,25cc)			3A1193
24G503	Catalyst pump assembly (slave pump) / 17:1 (3,25cc)			
GAM-268-01	Material pick-up kit			
20864-05	Material Pump assembly 11:1, spring loaded			
21780-01	Material Pump assembly 17:1			
22026-01	Material Pump assembly 20:1			
⚡ 24G393	Material hose assembly; 25 ft.	⚡ 24G394	Material hose assembly; 50 ft.	
24G530	Air manifold, 11:1 / 20:1			
24G531	Air manifold, 17:1			
17440-00	Grounding clamp assembly			
24G405	Solvent tank 2 gal. no Atex !!	24G406	Solvent tank 5 gal. no Atex !!	
19890-01	Mounting clamp			
⚡ 18291-01	Portable base			
⚡ SSP-175	Safety guard kit			
⚡ 770/754-1/750-01	Cart mast and boom			
⚡ LPA-165	Catalyst bottle			
LPA-170	Catalyst bottle bracket			
⚡ 21460-00	Heater Conversion Kit Continued 230V (Heater manual 307393)			
⚡ 21460-01	Heater Conversion Kit continued 120V (Heater manual 307393)			

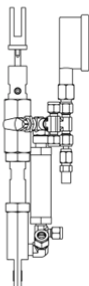
⚡ Not shown

Material Pump assy.



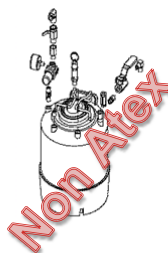
20864-05
21780-01
22026-01

Catalyst Pump Assy.

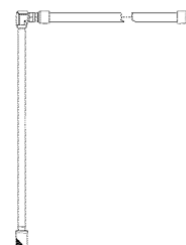


24G501
24G503

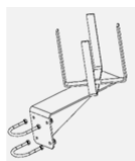
Solvent Tank
24G405 shown
24G406



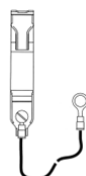
Pick-up Kit



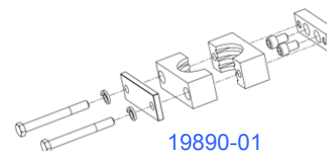
GAM-268-01



LPA-170



17440-00



19890-01

GlasCraft Gel Coat System External

Low emission external-mix gel coat system.
For use with polyester resin and gel coat.



Model please see chart below

Technical Data:

Manual:	3A1194
Manual Pump rep.:	3A1218
EC-declaration:	EC-199274
Max. fluid working pressure:	
11:1	90 bar
17:1	117 bar
20:1	138 bar
Max. air inlet pressure	7 bar
Max fluid temperature	38° C
A component inlet size	1/4 in. tube
B component inlet size	1 5/16-12UN-2A (male)
Weight	98 Kg
Wetted parts:	
Catalyst: chemically coated aluminum, stainless steel, chemically resistant O-Rings	
Resin: carbon steel, carbide, chemically resistant o-rings	

11:1	Pump 24G519 (PMP-11:1) Air Motor AM-500-02 (5") (GC2267) Manual 3A0393
17:1	Pump 24G520 (PMP-17:1) Air Motor 21775-00 (6") (GC2273) Manual 3A0393
20:1	Pump 24G521 (PMP-20:1) Air Motor AM-500-02 (5") (GC2267) Manual 3A0393

Part No.	Description	Manual
24G502	Catalyst pump assembly (slave pump) / 11:1 / 20:1 (3,25cc)	3A1194
24G504	Catalyst pump assembly (slave pump) / 17:1 (3,25cc)	
GAM-268-01	Material pick-up kit	
20864-05	Material Pump assembly 11:1, spring loaded	
17440-00	Grounding clamp assembly	
24G536	Air manifold, 11:1 / 20:1	
24G537	Air manifold, 17:1	
19890-01	Mounting clamp	
18291-01	Portable base	
663	Mast	
20638-00	Casters	
24G398	External gel coat hose bundle, 25ft (7,6 m)	
24G399	External gel coat hose bundle, 50ft (15,2 m)	
24C540	Catalyst hose 25 ft (7,6 m)	
24G435	Material hose assembly, 25ft (7,6 m)	
24G428	AAC air hose, 25ft (7,6 m)	
9704-83	Atomizing air hose (1/4in. OD) 30 ft (9,1 m)	
FM-494	Expandable sleeving 23ft (7 m)	
LPA-165	Catalyst bottle	
LPA-170	Catalyst bottle bracket	

⚡ Not shown

GlasCraft Gel Coat System External

Part No.	Mounting	Pump Ratio	Heater	Hose Bundle	Gun
24G325	Cart MTG-FW/C	11:1 24G519	120Vac	7,6 m	258840
24G326			120Vac	15,2 m	
24G327			120Vac	none	
24G328			240Vac	7,6 m	
24G329			240Vac	15,2 m	
24G330			240Vac	none	
▣ 24G331			None	7,6 m	
▣ 24G332			None	15,2 m	
▣ 24G333			none	none	
24G352			120Vac	7,6 m	
24G353			120Vac	15,2 m	
24G354			120Vac	none	
24G355			240Vac	7,6 m	
24G356			240Vac	15,2 m	
24G357			240Vac	none	
▣ 24G358			None	7,6 m	
▣ 24G359			None	15,2 m	
▣ 24G360			none	none	
24G334		17:1 24G520	120Vac	7,6 m	
24G335			120Vac	15,2 m	
24G336			120Vac	none	
24G337			240Vac	7,6 m	
24G338			240Vac	15,2 m	
24G339			240Vac	none	
▼ 24G340			None	7,6 m	
▼ 24G341			None	15,2 m	
▼ 24G342			none	none	
24G361			120Vac	7,6 m	
24G362			120Vac	15,2 m	
24G363			120Vac	none	
24G364			240Vac	7,6 m	
24G365			240Vac	15,2 m	
24G366			240Vac	none	
▼ 24G367			None	7,6 m	
▼ 24G368			None	15,2 m	
▼ 24G369			none	none	
24G343		20:1 24G521	120Vac	7,6 m	
24G344			120Vac	15,2 m	
24G345			120Vac	none	
24G346			240Vac	7,6 m	
24G347			240Vac	15,2 m	
24G348			240Vac	none	
▣ 24G349			None	7,6 m	
▣ 24G350			None	15,2 m	
▣ 24G351			none	none	
24G370			120Vac	7,6 m	
24G371			120Vac	15,2 m	
24G372			120Vac	none	
24G373			240Vac	7,6 m	
24G374			240Vac	15,2 m	
24G375			240Vac	none	
▣ 24G376			None	7,6 m	
▣ 24G377			None	15,2 m	
▣ 24G378			none	none	

Hose Bundle:

7,6m = 24G398
15,2m = 24G399

To connect (extend) two hoses need:

Fitting 94/3205/96
Fitting 196176
Fitting GNV07769
Fitting 94/0525/96

Heater conv. kit:
Manual: 307363
EC- 194251

120VAC = 21460-01 (heater 226816)
240Vac = 21460-00 (heater 226819)





GlasCraft Gel Coat System External

Part No.	Description	Manual
24G502	Catalyst pump assembly (slave pump) / 11:1 / 20:1 (3,25cc)	3A1194
24G504	Catalyst pump assembly (slave pump) / 17:1 (3,25cc)	
GAM-268-01	Material pick-up kit	
20864-05	Material Pump assembly 11:1, spring loaded	
17440-00	Grounding clamp assembly	
24G536	Air manifold, 11:1 / 20:1	
24G537	Air manifold, 17:1	
19890-01	Mounting clamp	
18291-01	Portable base	
663	Mast	
20638-00	Casters	
24G398	External gel coat hose bundle, 25ft (7,6 m)	
24G399	External gel coat hose bundle, 50ft (15,2 m)	
24C540	Catalyst hose 25 ft (7,6 m)	
24G435	Material hose assembly. 25ft (7,6 m)	
24G428	AAC air hose, 25ft (7,6 m)	
9704-83	Atomizing air hose (1/4in. OD) 30 ft (9,1 m)	
FM-494	Expandable sleeving 23ft (7 m)	
LPA-165	Catalyst bottle	
LPA-170	Catalyst bottle bracket	

⚡ Not shown

Fittings you need to connect **hose** 24G399 (15,2m) or 24G398 (7,6m) with **RS-Gun** (258840) to an old Gel Coat G2-System:

7596-02
21215-00
LPA-143
20363-01
17653-26
17653-01
22017-01
124803
16G246

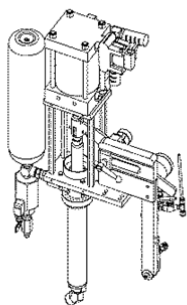
GlasCraft Gel Coat System External

Manual: 3A1194

Part No.	Description			Manual
24G502	Catalyst pump assembly (slave pump) / 11:1 / 20:1 (3,25cc)			3A1194
24G504	Catalyst pump assembly (slave pump) / 17:1 (3,25cc)			
GAM-268-01	Material pick-up kit			
20864-05	Material Pump assembly 11:1, spring loaded			
21780-01	Material Pump assembly 17:1			
22026-01	Material Pump assembly 20:1			
⚡ 24G398	Material hose assembly; 25 ft.	⚡ 24G399	Material hose assembly; 50 ft.	
⚡ ACV-100-01	Catalyst Valve (LPA Catalyst Pumps)			
24G536	Air manifold, 11:1 / 20:1			
24G537	Air manifold, 17:1			
17440-00	Grounding clamp assembly			
19890-01	Mounting clamp			
770	Cart	768	Wall mount	
⚡ LPA-165	Catalyst bottle			
LPA-170	Catalyst bottle bracket			
⚡ SSP-175	Safety Guard Kit			
⚡ 21460-00	Heater Conversion Kit Continued 230V (Heater manual 307393)			
⚡ 21460-01	Heater Conversion Kit continued 120V (Heater manual 307393)			

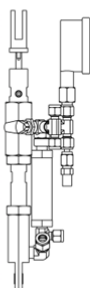
⚡ Not shown

Material Pump assy.



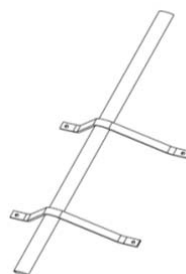
20864-05
21780-01
22026-01

Catalyst Pump Assy.



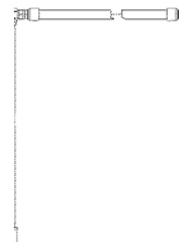
24G501
24G503

Wall mount

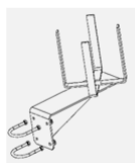


768

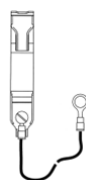
Pick-up Kit



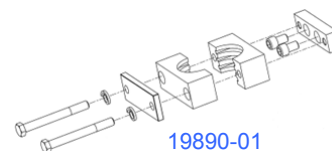
GAM-268-01



LPA-170

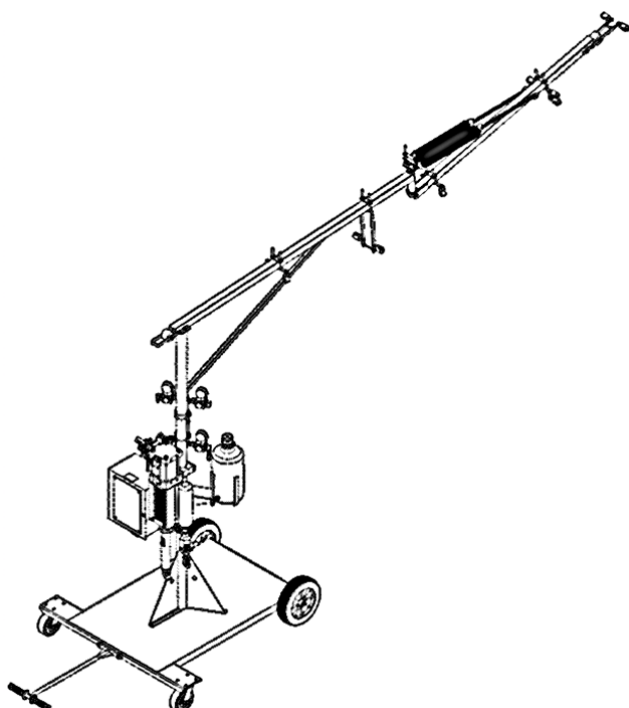


17440-00



19890-01

GlasCraft Chop System External



Technical Data:

Manual:	3A1195
EC-declaration:	EC-199274
Max. fluid working pressure:	
11:1	90 bar
17:1	117 bar
20:1	138 bar
Max. air inlet pressure	7 bar
Max fluid temperature	38° C
Wetted parts:	
Catalyst: chemically coated aluminum, stainless steel, chemically resistant O-rings	
Resin: carbon steel, carbide, chemically resistant O-rings	

11:1	Pump 24G516 (PMP-11:1) Air Motor AM-500-02 (5") (GC2267) Manual 3A0393
17:1	Pump 24G517 (PMP-17:1) Air Motor 21775-00 (6") (GC2273) Manual 3A0393
20:1	Pump 24G518 (PMP-20:1) Air Motor AM-500-02 (5") (GC2267) Manual 3A0393

GlasCraft Chop System External

Manual: 3A1195

Part No.	Mounting	Pump Ratio	Heater	Hose Bundle	Gun
24G253	Cart GCC241 (MTG-CMB & 760-01)	11:1 24G516	120V	7,6 m	258970 Manual 3A0232
24G254			120V	10,6 m	
24G255			120V	15,2 m	
24G256			120V	none	
24G257			240V	7,6 m	
24G258			240V	10,6 m	
24G259			240V	15,2 m	
24G260			240V	none	
▣ 24G261			none	7,6 m	
▣ 24G262			none	10,6 m	
▣ 24G263			none	15,2 m	
▣ 24G264			none	none	
24G265		17:1 24G517	120V	7,6 m	
24G266			120V	10,6 m	
24G267			120V	15,2 m	
24G268			120V	none	
24G269			240V	7,6 m	
24G270			240V	10,6 m	
24G271			240V	15,2 m	
24G272			240V	none	
▼ 24G273			none	7,6 m	
▼ 24G274			none	10,6 m	
▼ 24G275			none	15,2 m	
▼ 24G276			none	none	
24G277		20:1 24G518	120V	7,6 m	
24G278			120V	10,6 m	
24G279			120V	15,2 m	
24G280			120V	none	
24G281			240V	7,6 m	
24G282			240V	10,6 m	
24G283			240V	15,2 m	
24G284			240V	none	
▣ 24G285			none	7,6 m	
▣ 24G286			none	10,6 m	
▣ 24G287			none	15,2 m	
▣ 24G288			none	none	

Hose Bundle:

7,6m = 24G395
10,6m = 24G396
15m = 24G397

To connect (extend)
two hoses need:

Fitting 123554
Fitting 123553
Fitting 156849
Fitting 123552
Fitting 123789

Heater conv. kit:

Manual: 307363
EC- 194251

120VAC = 21460-01
(heater 226816)

240Vac = 21460-00
(heater 226819)



GlasCraft Chop System External

Manual: 3A1195

Part No.	Mounting	Pump Ratio	Heater	Hose Bundle	Gun
24G289	none	11:1 24G516	120V	7,6 m	258970 Manual 3A0232
24G290			120V	10,6 m	
24G291			120V	15,2 m	
24G292			120V	none	
24G293			240V	7,6 m	
24G294			240V	10,6 m	
24G295			240V	15,2 m	
24G296			240V	none	
▣ 24G297			none	7,6 m	
▣ 24G298			none	10,6 m	
▣ 24G299			none	15,2 m	
▣ 24G300			none	none	
24G301		17:1 24G517	120V	7,6 m	
24G302			120V	10,6 m	
24G303			120V	15,2 m	
24G304			120V	none	
24G305			240V	7,6 m	
24G306			240V	10,6 m	
24G307			240V	15,2 m	
24G308			240V	none	
▼ 24G309			none	7,6 m	
▼ 24G310			none	10,6 m	
▼ 24G311			none	15,2 m	
▼ 24G312			none	none	
24G313		20:1 24G518	120V	7,6 m	
24G314			120V	10,6 m	
24G315			120V	15,2 m	
24G316			120V	none	
24G317			240V	7,6 m	
24G318			240V	10,6 m	
24G319			240V	15,2 m	
24G320			240V	none	
▣ 24G321			none	7,6 m	
▣ 24G322			none	10,6 m	
▣ 24G323			none	15,2 m	
▣ 24G324			none	none	

Hose Bundle:

7,6m = 24G395
10,6m = 24G396
15m = 24G397

To connect (extend)
two hoses need:

Fitting 123554
Fitting 123553
Fitting 156849
Fitting 123552
Fitting 123789

Heater conv. kit:

Manual: 307363
EC- 194251

120VAC = 21460-01
(heater 226816)

240Vac = 21460-00
(heater 226819)



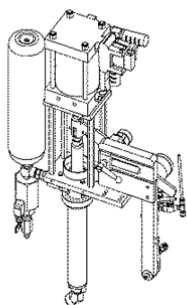
GlasCraft Chop System External

Manual: 3A1195

Part No.	Description	Manual
24G502	Catalyst pump assembly (slave pump) / 11:1 / 20:1 (3,25cc)	3A1195
24G504	Catalyst pump assembly (slave pump) / 17:1 (3,25cc)	
GAM-268-01	Material pick-up kit	
20864-05	Material Pump assembly 11:1, spring loaded	
21780-01	Material Pump assembly 17:1	
22026-01	Material Pump assembly 20:1	
24G398	Material hose assembly; 25 ft.	
24G399	Material hose assembly; 50 ft.	
ACV-100-01	Catalyst Valve (LPA Catalyst Pumps)	
24G536	Air manifold, 11:1 / 20:1	
24G537	Air manifold, 17:1	
17440-00	Grounding clamp assembly	
19890-01	Mounting clamp	
770	Cart	
754-1	mast	
750-01	Boom	307393
LPA-165	Catalyst bottle	
LPA-170	Catalyst bottle bracket	
SSP-175	Safety Guard Kit	
21460-00	Heater Conversion Kit Continued 230V	307393
21460-01	Heater Conversion Kit continued 120V	

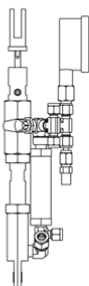
⌚ Not shown

Material Pump assy.



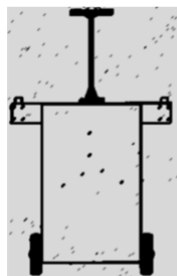
20864-05
21780-01
22026-01

Catalyst Pump Assy.



24G501
24G503

Cart



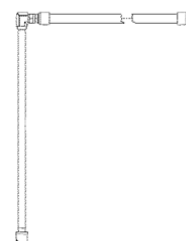
770

Mast

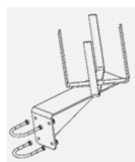


754-1

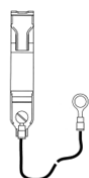
Pick-up Kit



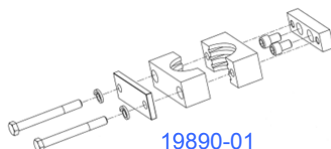
GAM-268-01



LPA-170

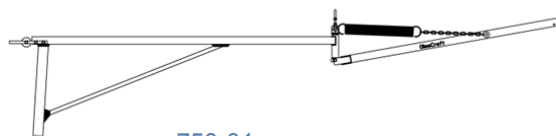


17440-00



19890-01

Boom



750-01

Internal Chop System

Low Emission **Internal-Mix** Gel-Coat
For use with Polyester Resin, and Gel-Coat



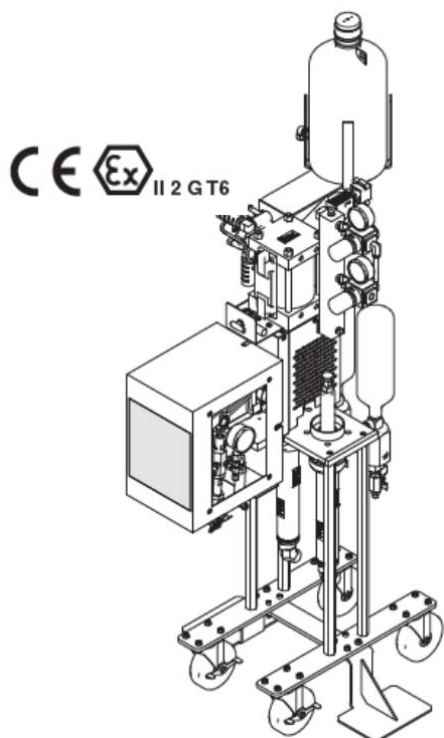
Manual:	GC-1412
EC-declaration:	EC-
Max. fluid working pressure:	
11:1 20864-05	90 bar
17:1 21780-01	117 bar
20:1 22026-01	138 bar
A Component (Catalyst) Inlet Size	1/4 in. Tube
B Component (Resin) Inlet Size	1 5/16-12 UN-2A Male
Max. air inlet pressure	7 bar
Max fluid temperature	38° C
Weight	98Kg
Wetted parts:	
Catalyst: chemically coated aluminum, stainless steel, chemically resistant O-rings	
Resin: carbon steel, carbide, chemically resistant O-rings	

11:1	Pump 20864-05 (PMP-11:1) Air Motor AM-500-02 (5") (GC2267) Manual 3A0393
17:1	Pump 21780-01 (PMP-17:1) Air Motor 21775-00 (6") (GC2273) Manual 3A0393
20:1	Pump 222026-01 (PMP-20:1) Air Motor AM-500-02 (5") (GC2267) Manual 3A0393

Standard Equipment

Part No.	Description
SSP-160-01	Super Catalyst Slave Pump assembly
GAM-268-01	Material Pump Pick-up Kit
20195-25	Material hose assembly, 25FT (7,6m)
17440-00	Grounding clamp assembly
23555-00	Air Manifold
17798-25	Air hose 25ft. (7,6m)
20190-00	Catalyst hose 25ft. (7,6m)
236	Solvent Tank hose 30" (Acetone)
20794-01	Solvent Tank 2 Gal
19890-01	Mounting Clamp
770/754-1/750-01	Cart Mast & Boom
H42503	Material hose 3 ft.
LPA-165	Catalyst bottle assembly
LPA-170	Catalyst bottle bracket assembly
9704-03	Trigger air tubing (1/4in. CLEAR, 28ft. FORMULA GUN ONLY)

MCG Multi-Color Gel-Coat System



Technical Data:

Manual:	3A1909	
EC-declaration:	EC-199275	
Max. fluid working pressure: 13:1 20:1	90 bar 138 bar	
Max. air inlet pressure	7 bar	
Max fluid temperature	38° C	
A Component:	Inlet size: #4 JIC	outlet size: #4 JIC
B Component:	15/16-12UN-2A	1/4-18 NPS(m)
Solvent Flush:	1/8 NPS (m)	
Wetted parts:		
Catalyst: chemically coated aluminum, stainless steel, chemically resistant O-rings		
Resin: carbon steel, carbide, chemically resistant O-rings		

Additional Color Installation Instructions

When adding "ODD" number colors (i.e. third color, fifth color, etc.), you will need one hardware kit and one fluid section kit.

When adding "EVEN" number colors (i.e. fourth color, sixth color, etc.), you will need only one hardware kit and two fluid section kits.

Additional Color	
Part Number	Description
20265-00	Hardware Pats Kit, 13:1
20266-00	Fluid Section Kit, 13:1
20265-01	Hardware Pats Kit, 20:1
20266-01	Fluid Section Kit, 20:1



Chapter 6a

MCG Multi-Color Gel-Coat System Internal Mix

Manual: 3A1909

Part No.	No. of Colors	Pump Ratio	Mix Type	System Type	Hose Bundle		
					length	Resin	Bundle
24K000	2 color Bracket 20822-00	13:1 280582	Internal Mix	Chop Gun Kit 24J779	None		
24K001					7,6m	24G427	24K269
24K002					10,6m	24G430	24K270
24K003		15,2m			24G432	24K271	
24K004		None					
24K005		20:1 280583			7,6m	24G427	24K269
24K006					10,6m	24G430	24K270
24K007	15,2m				24G432	24K271	
24K008	3 color	13:1 280853			None		
24K009					7,6m	24G427	24K269
24K010					10,6m	24G430	24K270
24K011		15,2m			24G432	24K271	
24K012		None					
24K013		20:1 28057			7,6m	24G427	24K269
24K014					10,6m	24G430	24K270
24K015	15,2m				24G432	24K271	
24K016	4 color	13:1 280854			None		
24K017					7,6m	24G427	24K269
24K018					10,6m	24G430	24K270
24K019		15,2m			24G432	24K271	
24K020		None					
24K021		20:1 280858			7,6m	24G427	24K269
24K022					10,6m	24G430	24K270
24K023	15,2m				24G432	24K271	
24K024	5 color	13:1 280855			None		
24K025					7,6m	24G427	24K269
24K026					10,6m	24G430	24K270
24K027		15,2m			24G432	24K271	
24K028		None					
24K029		20:1 280859			7,6m	24G427	24K269
24K030					10,6m	24G430	24K270
24K031	15,2m				24G432	24K271	
24K032	6 color	13:1 280856			None		
24K033					7,6m	24G427	24K269
24K034					10,6m	24G430	24K270
24K035		15,2m			24G432	24K271	
24K036		None					
24K037		20:1 280860			7,6m	24G427	24K269
24K038					10,6m	24G430	24K270
24K039	15,2m				24G432	24K271	

MCG Multi-Color Gel-Coat System

Internal Mix

Manual: 3A1909

Part No.	No. of Colors	Pump Ratio	Mix Type	System Type	Hose Bundle		
					length	Resin	Bundle
24K040	2 colors	13:1	Internal Mix	Gel Gun Kit 24J778	None		
24K041					7,6m	24G427	24K269
24K042					15,2m	24G432	24K271
24K043		None					
24K044		7,6m			24G427	24K269	
24K045		15,2m			24G432	24K271	
24K046	3 colors	13:1			None		
24K047					7,6m	24G427	24K269
24K048					15,2m	24G432	24K271
24K049		None					
24K050		7,6m			24G427	24K269	
24K051		15,2m			24G432	24K271	
24K052	4 colors	13:1			None		
24K053					7,6m	24G427	24K269
24K054					15,2m	24G432	24K271
24K055		None					
24K056		7,6m			24G427	24K269	
24K057		15,2m			24G432	24K271	
24K058	5 colors	13:1			None		
24K059					7,6m	24G427	24K269
24K060					15,2m	24G432	24K271
24K061		None					
24K062		7,6m			24G427	24K269	
24K063		15,2m			24G432	24K271	
24K064	6 colors	13:1			None		
24K065					7,6m	24G427	24K269
24K066					15,2m	24G432	24K271
24K067		None					
24K068		7,6m			24G427	24K269	
24K069		15,2m			24G432	24K271	



Chapter 6a

MCG Multi-Color Gel-Coat System Eternal Mix

Manual: 3A1909

Part No.	No. of Colors	Pump Ratio	Mix Type	System Type	Hose Bundle		
					length	Resin	Bundle
24K070	2 color	13:1 280582	External Mix	Chop Gun Kit 24J780	None		
24K071					7,6m	24G435	24K274
24K072					10,6m	24G436	24K275
24K073					15,2m	24G437	24K276
24K074		None					
24K075		20:1 280583			7,6m	24G435	24K274
24K076					10,6m	24G436	24K275
24K077					15,2m	24G437	24K276
24K078	None						
24K079	3 color	13:1 280853			7,6m	24G435	24K274
24K080					10,6m	24G436	24K275
24K081					15,2m	24G437	24K276
24K082					None		
24K083		20:1 28057			7,6m	24G435	24K274
24K084					10,6m	24G436	24K275
24K085					15,2m	24G437	24K276
24K086					None		
24K087	4 color	13:1 280854			7,6m	24G435	24K274
24K088					10,6m	24G436	24K275
24K089					15,2m	24G437	24K276
24K090					None		
24K091		20:1 280858			7,6m	24G435	24K275
24K092					10,6m	24G436	24K276
24K093					15,2m	24G437	24K277
24K094					None		
24K095	5 color	13:1 280855			7,6m	24G435	24K275
24K096					10,6m	24G436	24K276
24K097					15,2m	24G437	24K277
24K098					None		
24K099		20:1 280859			7,6m	24G435	24K275
24K100					10,6m	24G436	24K276
24K101					15,2m	24G437	24K277
24K102					None		
24K103	6 color	13:1 280856			7,6m	24G435	24K275
24K104					10,6m	24G436	24K276
24K105					15,2m	24G437	24K277
24K106					None		
24K107		20:1 280860			7,6m	24G435	24K275
24K108					10,6m	24G436	24K276
24K109					15,2m	24G437	24K277

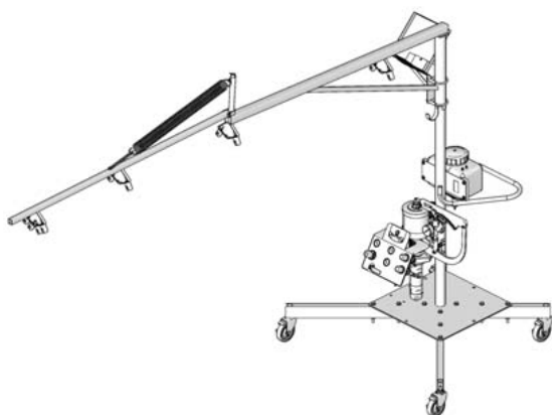
MCG Multi-Color Gel-Coat System

Eternal Mix

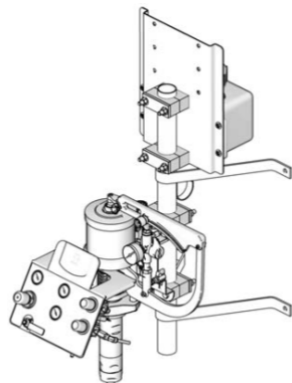
Manual: 3A1909

Part No.	No. of Colors	Pump Ratio	Mix Type	System Type	Hose Bundle		
					length	Resin	Bundle
24K110	2 colors	13:1	External Mix	Gel Gun Kit 24J781	None		
24K111					7,6m	24G435	24K277
24K112					15,2m	24G437	24K278
24K113		None					
24K114		7,6m			24G435	24K277	
24K115		15,2m			24G437	24K278	
24K116	3 colors	13:1			None		
24K117					7,6m	24G435	24K277
24K118					15,2m	24G437	24K278
24K119		None					
24K120		7,6m			24G435	24K277	
24K121		15,2m			24G437	24K278	
24K122	4 colors	13:1			None		
24K123					7,6m	24G435	24K277
24K124					15,2m	24G437	24K278
24K125		None					
24K126		7,6m			24G435	24K277	
24K127		15,2m			24G437	24K278	
24K128	5 colors	13:1			None		
24K129					7,6m	24G435	24K277
24K130					15,2m	24G437	24K278
24K131		None					
24K132		7,6m			24G435	24K277	
24K133		15,2m			24G437	24K278	
24K134	6 colors	13:1			None		
24K135					7,6m	24G435	24K277
24K136					15,2m	24G437	24K278
24K137		None					
24K138		7,6m			24G435	24K277	
24K139		15,2m			24G437	24K278	

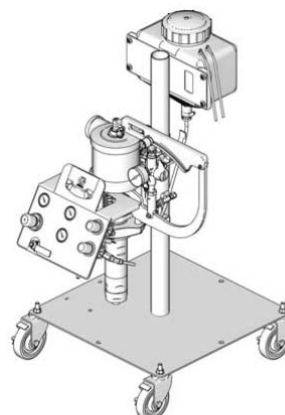
FRP Proportioner



Cart with Boom



Wall Mount



Cart



Manual: 3A2012	
3A0232	RS Gun Instructions-Parts
3A2313	U-Cup Displacement Pump
3A2315	NXT Air Motor for FRP
308981	Air Operated Diaphragm Pumps
309524	Viscon HP Heater Instructions
307363	Viscon Heater Instructions
313541	DataTrak Conversion Kit Instructions
308370	ASME and CE-Approved Pressure Pot Instructions (Solvent Flush Pressure Pot)

Technical Data:	
System Technical Data:	
Maximum fluid working pressure:	13:1 Systems: (90 bar) 17:1 Systems: (119 bar)
Maximum air inlet pressure:	7.0 bar
Maximum fluid temperature:	43°C
A component (catalyst) inlet size:	1/4 in. tube
B component (resin) inlet size:	1 5/16-12 UN-2A male
Pumpline Technical Data:	
Maximum fluid working pressure:	13:1 Systems: (90 bar)
Maximum air inlet pressure:	7.0 bar
Minimum air inlet pressure:	0.7 bar
Maximum ambient air temperature:	49°C
Maximum fluid temperature:	71°C
Catalyst Pump Technical Data:	
Maximum fluid working pressure	140 bar
Internal catalyst pump version:	
External catalyst pump version:	6.3 bar
Maximum fluid temperature	43°C
Whip Hose Technical Data:	
maximum fluid working pressure:	
Catalyst hose:	210 bar PTFE
1/2 in. resin hose	280 bar Nylon
3/8 in. resin hose	231 bar Nylon
Solvent/AAC air hose	16 bar Nylon
3/8 in. OD air hose	9 bar PET
1/4 in. OD atomizing/AAC air hose	9 bar PET

FRP Proportioner

Manual: 3A2012

Model	Ratio (Pump)	Mount	Mixing Type	Hose/ Bundel		Gun
				Part. No.	Length	
16R001	13:1 (16M755)	Cart	External Gel	16M588	7,6 m	258840
16R002			Internal Gel	16M587	7,6 m	258853
16R003		Cart with Boom	External Chop	16M586	7,6 m	258970
16R004			Internal Chop	16M586	7,6 m	258971
16R005	17:1 (16M756)	Cart	External Gel	16M588	7,6 m	258840
16R006			Internal Gel	16M587	7,6 m	258853
16R009	13:1 (16M755)	Cart	External Gel	16M591	10,7 m	258840
16R012			External Gel	16M585	15,2 m	258840
16R015			External Gel	none		
16R018		Cart with Boom	External Gel	16M588	7,6 m	258840
16R021			External Gel	16M591	10,7 m	258840
16R024			External Gel	16M585	15,2 m	258840
16R027			External Gel	none		
16R030		Wall Mount	External Gel	16M588	7,6 0	258840
16R033			External Gel	16M591	10,7 m	258840
16R036			External Gel	16M585	15,2 m	258840
16R039			External Gel	none		258840
16R044		Cart	Internal Gel	16M590	10,7 m	258853
16R047			Internal Gel	16M584	15,2 m	258853
16R050			Internal Gel	none		
16R053		Cart with Boom	Internal Gel	16M587	7,6 m	258853
16R056			Internal Gel	16M590	10,7 m	258853
16R059			Internal Gel	16M584	15,2 m	258853
16R062			Internal Gel	none		
16R065		Wall Mount	Internal Gel	16M587	7,6 m	258853
16R068			Internal Gel	16M590	10,7 m	258853
16R071			Internal Gel	16M584	15,2 m	258853
16R074			Internal Gel	none		
16R079		Cart	External Chop	16M589	10,7 m	258970
16R082			External Chop	16M583	15,2 m	258970
16R085			External Chop	none		
16R088			External Chop	16M586	7,6 m	258970
16R091		Cart with Boom	External Chop	16M589	10,7 m	258970
16R094			External Chop	16M583	15,2 m	258970
16R097			External Chop	none		
16R100		Wall Mount	External Chop	16M586	7,6 m	258970
16R103			External Chop	16M589	10,7 m	258970
16R106			External Chop	16M583	15,2 m	258970
16R109			External Chop	none		
16R114		Cart	Internal Chop	16M589	10,7 m	258971
16R117			Internal Chop	16M583	15,2 m	258971
16R120			Internal Chop	none		
16R123			Internal Chop	16M586	7,6 m	258971
16R126		Cart with Boom	Internal Chop	16M589	10,7 m	258971
16R129			Internal Chop	16M583	15,2 m	258971
16R132			Internal Chop	none		
16R135		Wall Mount	Internal Chop	16M586	7,6 m	258971
16R138			Internal Chop	16M589	10,7 m	258971
16R141			Internal Chop	16M583	15,2 m	258971
16R144			Internal Chop	none		

FRP Proportioner

Manual: 3A2012

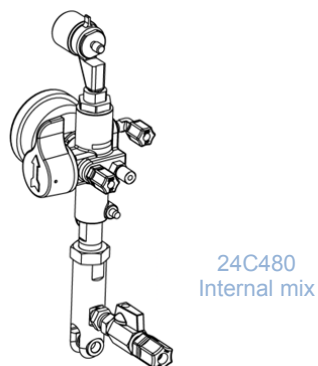
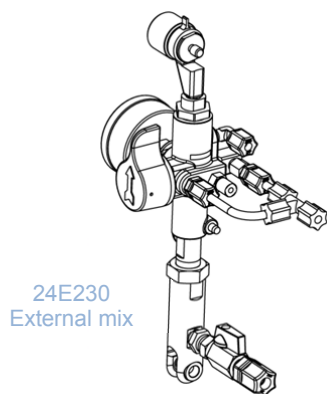
Model	Ratio (Pump)	Mount	Mixing Type	Hose/ Bundel		Gun
				Part. No.	Length	
16R149	17:1 (16M756)	Cart	External Gel	16M591	10,7 m	258840
16R152			External Gel	16M585	15,2 m	258840
16R155			External Gel	none		
16R158		Cart with Boom	External Gel	16M586	7,6 m	258840
16R161			External Gel	16M591	10,7 m	258840
16R164			External Gel	16M585	15,2 m	258840
16R167			External Gel	none		
16R170		Wall Mount	External Gel	16M586	7,6 m	258840
16R173			External Gel	16M591	10,7 m	258840
16R176			External Gel	16M585	15,2 m	258840
16R179			External Gel	none		
16R184		Cart	Internal Gel	16M590	10,7 m	258853
16R187			Internal Gel	16M584	15,2 m	258853
16R190			Internal Gel	none		
16R193		Cart with Boom	Internal Gel	16M587	7,6 m	258853
16R196			Internal Gel	16M590	10,7 m	258853
16R199			Internal Gel	16M584	15,2 m	258853
16R202			Internal Gel	none		
16R205		Wall Mount	Internal Gel	16M587	7,6 m	258853
16R208			Internal Gel	16M590	10,7 m	258853
16R211			Internal Gel	16M584	15,2 m	258853
16R214			Internal Gel	none		

Pump (Motor & Lower FRP)

Pump	Motor	Lower	Accessories	Manual
16M755 (13:1)	16M047	24L026 (100cc) CS Rep Kit 16N231	24F300 Filter 15T339 Reservoir 24D642 Muffler	Lower: 3A2313 Motor: 3A2315
16M756 (17:1)	16M047	24L033 (75cc) SST Rep Kit 16N232	24F300 Filter 15T338 Reservoir 24D642 Muffler	

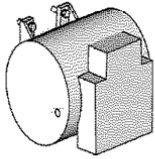
Slave Pump

Pump	Accessories
24E230 (External)	Gauge 124432 (0-11bar), Drain valve (206bar) 24C661
24C480 (Internal)	Gauge SST 113641 (0-206bar) , Drain valve (206bar) 24C661

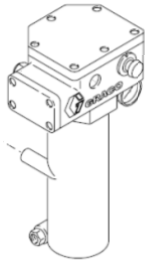


FRP Proportioner Accessories

No Atex

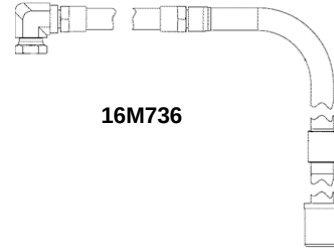


226819 (230V)
226816 (120V)

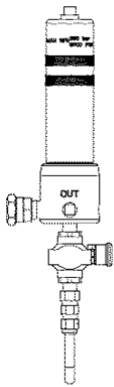


Viscon

16N016 120V **Atex**
16N017 240V **Atex**
16N018 120V **non Atex**
16N019 240V **non Atex**



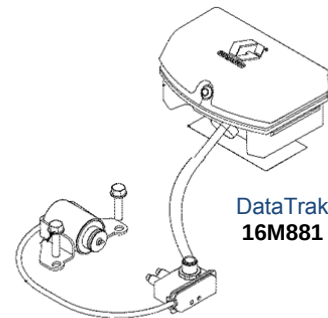
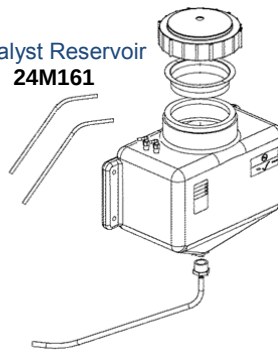
16M736



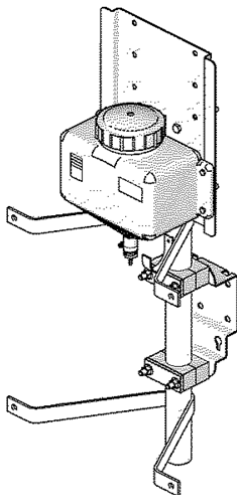
**Resin Filter
24F300**

167026
Strainer
100mesh

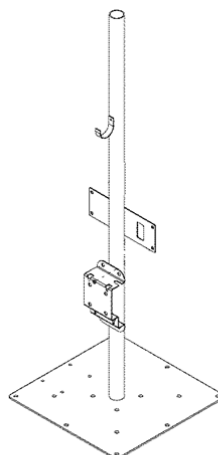
**Catalyst Reservoir
24M161**



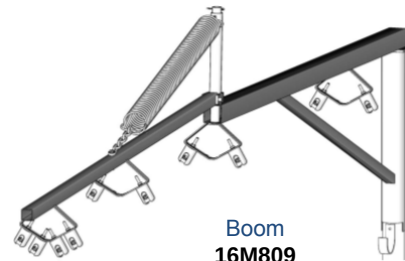
**DataTrak
16M881**



Wall Mount Kit, 16N169
Pole 16M670
not included in kit



16M672,
for use with Boom
16M673,
not for use with boom



**Boom
16M809**



Chapter 6a

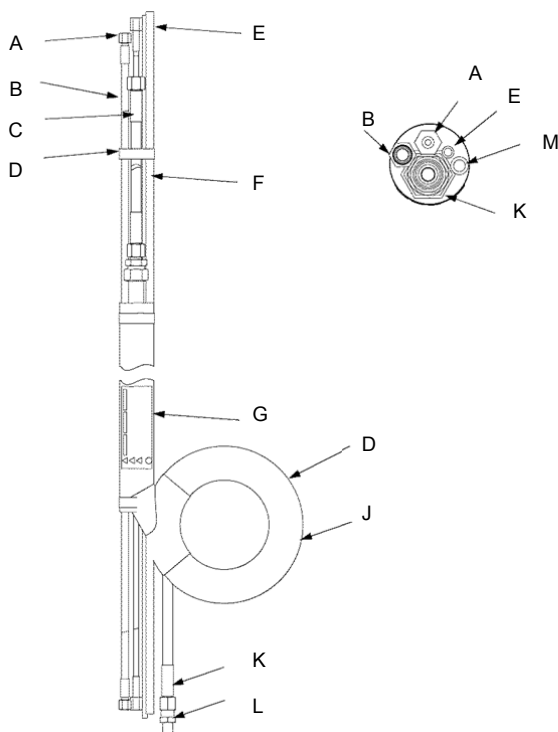
FRP Proportioner Accessories

Part No.	Accessories	Manual
Heater		
226819	Heater kit, 230V, non Atex	307363
226816 UK-Version	Heater kit, 120V, non Atex	
16N017	Heater Viscon, 230V, Atex (245863) + Kit (16N119)	309524
16N016 UK-Version	Heater Viscon, 120V, Atex (245848) + Kit (16N119)	
16N019	Heater Viscon, 230V, non Atex (245869) + Kit (16N119)	
16N018 UK-Version	Heater Viscon, 120V, non Atex (245867) + Kit (16N119)	
16M736	Suction Hose 200Liter, ¾" (f) (Strainer 20397-01)	
24F300	Filter, 3/8 NPT(m), 345 bar, (Strainer 100Mesh 167026)	
16M881	Data Trak Upgrade Kit	
24M161	Catalyst Reservoir	
16N169	Wall Mount Kit, (pole 16M670 is not included in the kit)	
16M809	Boom	
16M672	Cart chop , for use with Boom	
16M673	Cart pole , not for use with boom	
16M750 not shown	Air Panel	
16M961 not shown	Roving Box Bracket	
16M896 not shown	Cart, for 55 Gallon Barrel for Cart and Boom Systems	
16M897 not shown	Cart, for 55 Gallon Barrel for Cart	

Manual 308370 ASME and CE-Approved Pressure Pot Instructions (Solvent Flush Pressure Pot)

FRP Proportioner “Bundle Hose”

Part No.	Description
16M583	Hose Bundle, Int/Ext Chop, 15m
16M584	Hose Bundle, Int Gel, 15m
16M585	Hose Bundle, Ext. Gel, 15m
16M586	Hose Bundle, Int/Ext Chop, 7,6m
16M587	Hose Bundle, Int Gel, 7,6m
16M588	Hose Bundle, Ext. Gel, 7,6m
16M589	Hose Bundle, Int/Ext Chop, 10,6m
16M590	Hose Bundle, Int Gel, 10,6m
16M591	Hose Bundle, Ext. Gel, 10,6m



Pos.	Part No.	Description
A	24C540 (8,5m)	HOSE, coupled, 1/8 in.,
	24C541 (17,6m)	
	24G429 (11,5m)	
B	24C543 (8,5m)	HOSE, coupled, 1/4 in., nylon
	24C544 (17,6m)	
	24G434 (12,1m)	
C	277249	HOSE, coupled, 1/4 in. x 0,9m 275bar
D	070611	TAPE, electrical, vinyl
E	054130	TUBE, polyethylene, 6,35mm outer diameter
F	124427 (6,7m)	Jacket, blue scuff
	124428 (14,3m)	
	16M599 (8,8m)	
G	16D659	Lable warning
J	16M606 (4,5m)	Jacket, blue scuff
K	240797	HOSE, coupled, 3/8 x 15,2m HOSE, coupled, 1/2 x 15,2m
	277253	
L	123379	FITTING, reducer, 3/8 npt x 1/4 npt
	162449	
M	16J767 (8,5m)	TUBE, 3/8 in., polyethylene
	16J768 (11,5m)	
	16J769 (17,6m)	

Extension Hoses Bundle

Part No.	Description
16M712	Extension Hose Bundle, for cart and boom 7,6m
16M718	Extension Hose Bundle, for internal gel 7,6m
16M719	Extension Hose Bundle, for external gel 7,6m

RS Gun, Cutter

For use with polyester resin and gel-coat

External Mix

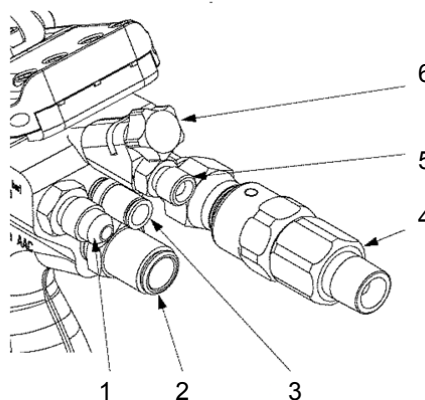
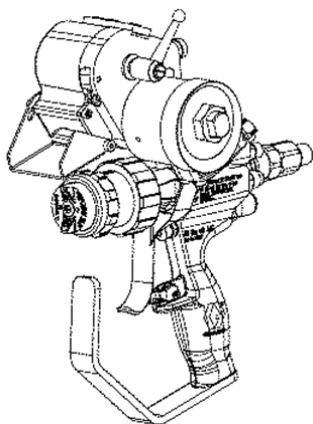
The independent material stream, resin or gelcoat, and catalyst impinge when they exit the spray tip. The catalyst is atomized with air pressure and is contained by AAC air to achieve high mix quality. This reduces internal clogs from cured material.

Internal Mix

The material and catalyst pass through an internal static mixer where they mix. The mixed solution is dispensed.

Technical data:

Maximum Fluid working Pressure:		Internal Mix: 138 bar
		External Mix: 207 bar
Minimum Air Flow:	258853	Internal Mix Gel: 0.354 m3 per min.
	258854	Internal Mix Chop: 0.064 m3 per min.
	258840/258852	External Mix: 0.06 m3 per min.
	24E512	Cutter: 0.467 m3 per min.
Wetted Parts	Aluminum, stainless steel, carbon steel, carbide, chemically resistant o-rings	
Typical Flow Rate of Pattern Guns		Dependent on tip size
Maximum Air Pressure		9 bar
Cutter Minimum Air Pressure		6 bar
Maximum Fluid Temperature:		38°C
Manual Operation / Repair:		3A0232
Manual Field install kit: to replace an existing gun with the RS gun		3A1226
EC-Declaration:		199360



Ref	External Mix	Internal Mix Chop	Internal Mix Gel	Fitting Size
1	Catalyst Inlet			#4 JIC
2	Chop Air Inlet		Air Assist Containment	3/8 tube
3	Atomized Air (Catalyst)	Air Assist Containment	Plugged	1/4 tube
4	Resin Inlet			1/4 NPSM
5	Air Assist Containment	Solvent		1/8 NPSM
6	Adjustment Knob			

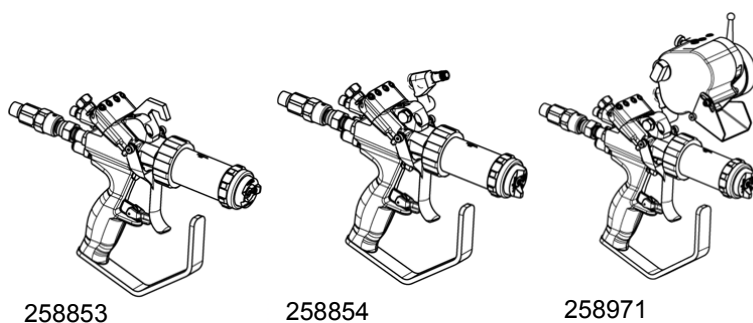
RS Gun, Cutter

Manual 3A0232

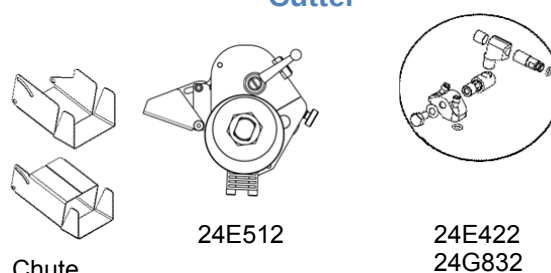
For use with polyester resin and gel-coat

Model	Description	Max. Fluid Working Pressure	Maxi. Catalyst Working Pressure	Air Inlet Working Pressure Range	Max. Fluid Temp.
258853	Internal Mix Gel Gun	138 bar	138 bar	0-8,6 bar	38°C
258840	External Mix Gel Gun	138 bar	14 bar	0-8,6 bar	38°C
258854	Internal Mix Chop Gun, No Cutter	138 bar	138 bar	0-8,6 bar	38°C
258971 258854 24E512	Internal Mix Chop Gun, Cutter	138 bar	138 bar	5,5-8,6 bar	38°C
258852	External Mix Chop Gun, No Cutter	138 bar	14 bar	0-8,6 bar	38°C
258970 258852 24E512	External Mix Chop Gun, Cutter	138 bar	114 bar	5,5-8,6 bar	38°C
24E512	Cutter	---	---	5,5-8,6 bar	---
24E422	External Mix Cutter Adapter Kit		24G832	Internal Mix Cutter Adapter Kit,	

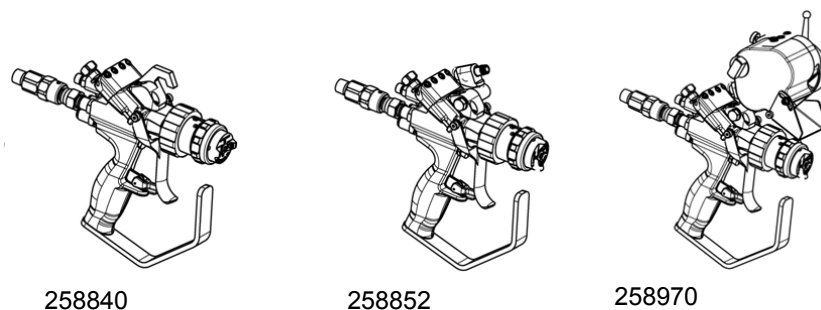
Internal Mix Guns



Cutter



External Mix Guns



Blade Cartridges (Pack of five)

4 blade 24E448
6 blade 24F602
8 blade 24E449

16K759 **CHUTE**, open, short, adj.
16K760 **CHUTE**, closed, short, adj.
16K762 **CHUTE**, open, long, adj.
16K763 **CHUTE**, closed, long, adj.
125883 **CHUTE**, closed, long wide
125884 **CHUTE**, closed, narrow

Air motor muffler kit 24H280
idler assembly kit 24H273
cutter head kit 24H271
anvil sleeve kit 24H272
cutter cover kit 24H282
Oil 202659

RS Gun, Cutter

Manual 3A0232

For use with polyester resin and gel-coat

Impingement Spray Tips

Gasket (Nylon): 16E100 (Ø 9,5 mm)

Seal (SST): 16E205 (Ø 8 mm)

Part No. RS Tip	GlasCraft No.	Competitor No.	TipCode	Angled Hole	Straight Hole	Patter Width
CSTS31*	23047-M1	---	S31	0,46 mm	0,30mm	150 mm
CSTS41*	23047-P1	---	S41	0,46 mm	0,30mm	200 mm
CSTS42*	23005-M2	2025	S42	0,53 mm	0,23mm	200 mm
CSTS52*	23047-P2	---	S52	0,53 mm	0,36mm	250 mm
CSTS73*	23005-K3	3025	S73	0,91 mm	0,64mm	350 mm
CSTS34*	23005-C4	4010	S34	1,07 mm	0,74mm	150 mm
CSTS44*	23005-E4	4015	S44	1,07 mm	0,74mm	200 mm
CSTS54*	23005-G4	4015	S54	1,07 mm	0,74mm	250 mm
CSTS64*	23005-J4	4020	S64	1,07 mm	0,74mm	300 mm
CSTS74*	23005-M4	4025	S74	1,07 mm	0,74mm	350 mm
CSTS84*	23005-P4	4030	S84	1,07 mm	0,74mm	400 mm
CSTS45*	23005-C5	---	S45	1,32 mm	0,91mm	200 mm
CSTS55*	23005-E5	5015	S55	1,32 mm	0,91mm	250 mm
CSTS65*	23005-G5	5020	S65	1,32 mm	0,91mm	300 mm
CSTS75*	23005-J5	5020	S75	1,32 mm	0,91mm	350 mm
CSTS85*	23005-M5	---	S85	1,32 mm	0,91mm	400 mm
CSTS56*	23005-G6	6015	S56	1,57 mm	1,09mm	250 mm
CSTS66*	23005-J6	6020	S66	1,57 mm	1,09mm	300 mm
CSTS86*	23005-M6	---	S86	1,57 mm	1,09mm	400 mm
CSTT66	23005-J6	6020	T66	1,57 mm	1,09mm	300 mm
CSTS57*	23005-G7	7020	S57	1,78 mm	1,32mm	250 mm
CSTS67*	23005-J7	---	S67	1,78 mm	1,32mm	300 mm
CSTT57	23005-G7	7020	T57	1,78 mm	1,32mm	250 mm

*=SST

Tip Code Reference:

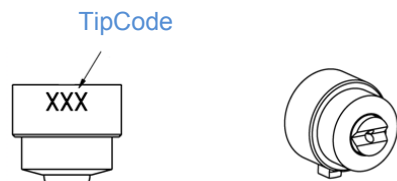
CST = Composite Spray Tip

4th digit = S for stainless steel, T for tool steel

5th digit = pattern width code. Double number to get pattern size at 18 in. (450 mm). Example: 5 = 10 in.

(250 mm) pattern at 18 in. (450 mm) distance to target.

6th digit = orifice size code. Number roughly matches a 0.010 in. (0.254 mm) increment of the angled hole dia. Exp: 5 = 0.052 in. (1.32 mm) dia. angled holes.



RS Gun, Cutter

Manual 3A0232

For use with polyester resin and gel-coat

Standard Spray Tips

Gasket (Acetal): 185557 (Ø 6,5 mm)

Seal (SST): 186114 (Ø 8 mm)

Part No.	Orifice Dia Inc (mm)	Pattern (mm) Width at 305mm target
CST215	0,015 (0,38)	100-150
CST415		200-300
CST217	0,017 (0,43)	100-150
CST417		200-250
CST517		250-300
CST219	0,019 (0,48)	100-150
CST419		200-250
CST519		250-300
CST221	0,023 (0,53)	100-150
CST421		200-250
CST521		250-300
CST223	0,023 (0,58)	100-150
CST423		200-250
CST523		250-300
CST427	0,027 (0,69)	200-250
CST527		250-300
CST231	0,031 (0,79)	100-150
CST431		200-250
CST531		250-300
CST235	0,035 (0,89)	100-150
CST435		200-250
CST535		250-300
CST343	0,043 (1,09)	150-200
CST443		200-250
CST543		250-300
CST351	0,051 (1,3)	150-200
CST451		200-250
CST551		250-300
CST651	0,061 (1,55)	300-350
CST461		200-250
CST561		250-300
CST661		300-350
CST471	0,071 (1,8)	200-250

Tip Code Reference:

CST = Composite Spray Tip

4th digit = pattern width code. Double number to get pattern size at 12 in. (305 mm). Example: 5 = 10 in.

(250 mm) pattern at 12 in. (305 mm) distance to target.

5th & 6th digit = equivalent orifice size as a round diameter orifice.

RS Gun, Cutter

Manual 3A0232

Tools Required (These tools are required to perform regular maintenance on the gun)

- 7/16 in. • 1/2 in. • 9/16 in. • 5/8 in. • 11/16 in. • 3/4 in. • 13/16 in. wrench
- 5/64 in. • # 3/32 in. • # 9/64 in. Allen key # (supplied)
- 3/16 in. Allen key (supplied with cutter assembly)
- 1/2 in. deep well socket • 9/32 in. socket • 7/32 in. deep well socket

Accessories



NOTE:
Roller Covers are not included
with roller frame assy. 24J540

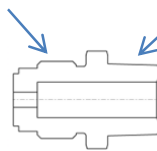
Cover:
107590 23cm x 1/2"
170591 23cm x 3/4"

Frame Roller 24J540



Extention
232122 50cm
244163 90cm
244164 180cm

7/8-14 UNF-2A 3/8-18 NPT (m)

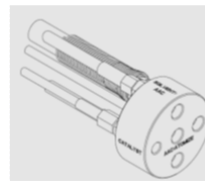


16K774

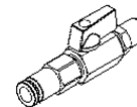
3/8-18 NPT (f)



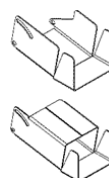
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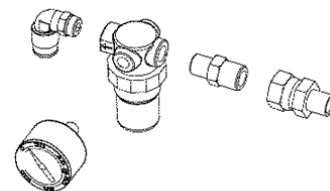
257754



24F706



Chute



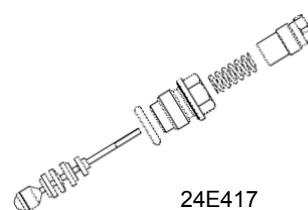
24G571
22632-00



**XHD-
Guard&Tip**



24E442
24G615



24E417

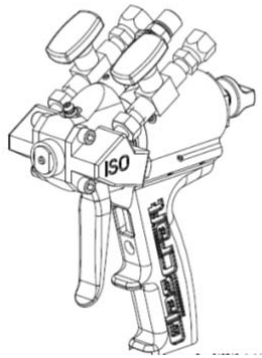
RS Gun, Cutter

Manual 3A0232

Accessories

Part No.	description	Manual
257754	Field Install Kit, to replace an existing gun with the RS gun	3A1226
125843	LPA2 Adapter kit (For installing an RS Gun onto an LPA2 System)	3A2079
Air Cap conversion for extension Gelcoat Spraying		
XHD001	Tip Holder, XHD Guard Rac	3A0232
XHDxxx	XHD - Rac Tips (see Tip charts chapter 23)	
16K768	Adapter / Air Cap RS-Gun (Tread 3/8-18NPT (f)) only for internal mix	
16K774	Adapter / 7/8-14 UNF-2A - 3/8 – 18 NPT (m)	
24J540	Roller Frame, 248bar	3A1790
107590	- Cover for Roller 23cm, 12mm synthetic	
107591	- Cover for Roller 23cm, 19mm synthetic	
232122	Extension for Roller / length 50 cm, 7/8" NPT(f) – 7/8" NPT (m)	3A0232
244163	Extension for Roller / length 90 cm, 7/8" NPT(f) – 7/8" NPT (m)	
244164	Extension for Roller / length 1800 cm, 7/8" NPT(f) – 7/8" NPT (m)	
Additional chopper chutes for adapting to different glass pattern needs		
16K759	CHUTE, open, short, adj	3A0232
16K760	CHUTE, closed, short, adj.	
16K762	CHUTE, open, long, adj.	
16K763	CHUTE, closed, long, adj.	
125883	CHUTE closed, long wide	
125884	CHUTE closed, narrow	
AAC Regulators		
24G571	for use with internal mix gel guns	
22632-00	for use with internal mix chop guns	
† 118665	Lubricant for Gun (113 gram)	
24F706	Chopper Air Shutoff,	
24H336	External Mix High-Flow Kit,	
24H337	Internal Mix High-Flow Kit,	
24E417	Needle Assembly all Guns (rep.kit 24E418)	
Front Head Assemblies		
24E442	Internal Mix Gel Front Head	3A0232
24G615	Internal Mix Chop Front Head	3A0232
24E427	Vertical Spray Pattern Front Head	
24E426	Horizontal Spray Pattern Front Head	
External Mix Gel Gun to Chop Gun Conversion		
† 24E512	Cutter Assembly	
† 24E422	External Mix Cutter Adapter Kit,	
† 24H280	Air Motor Muffler (Pack of 3)	
† 24E425	Trigger Air Valve Kit	
† 202659	Oil for Air Motor (0,48 Liter)	
Blade Cartridges (Pack of 5 cartridges)		
† 24E448	4 blade cartridge	
† 24F602	6 blade cartridge	
† 24E449	8 blade cartridge	
† 24F007	Hex Keys for Guns, one 3/32 in. hex key, one 9/64 in. hex key	
† 24F008	Hex Keys for Cutter, one 3/32 in. hex key, one 9/64 in. hex key, one 3/16 in. hex key	
† Not shown		

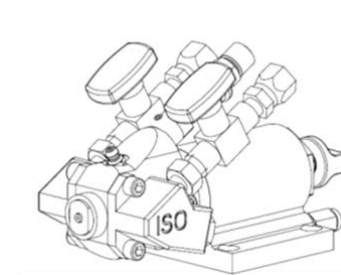
Probler P2 Gun / Elite Gun / Auto



P2



Elite



Auto

Manual P2 Gun:		313213
Manual P2 Elite:		313266
Manual P2 Auto:		313267
EC-declaration:		EC-199285
Air Hose	1/4 NPS	
Material Fitting Poly	1/8" NPT (male) x #6JIC (9/16-18 UNF)	
Material Fitting Iso	1/8" NPT (male) x #5JIC (1/2-20 UNF)	
Air Inlet Pressure Range		6,2 – 7,6bar
Maximum Static Fluid Pressure		220 bar

Model			Description		
Probler P2 Manual 313213	Probler P2 Elite Manual 313266	Auto Probler P2 Manual 313267	Mix Chamber round	Insert Mix Chamber	Hardware Kit
GCP2RA	GCP3RA	GCP4RA	GC250A	GC251A	GC1948
GCP2R0	GCP3R0	GCP4R0	GC2500	GC2510	GC1947
GCP2R1	GCP3R1	GCP4R1	GC2501	GC2511	GC1947
GCP2R2	GCP3R2	GCP4R2	GC2502	GC2512	GC1947
GCP2R3	GCP3R3	GCP4R3	GC2503	GC2513	GC1947
GCP2R4	GCP3R4	GCP4R4	GC2504	GC2514	GC1949
GCP2R5	GCP3R5	GCP4R5	GC2505	GC2515	GC1949

Probler P2 / Elite / Auto

Accessories:

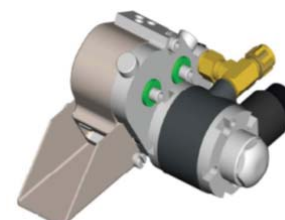
Part No.	Description	
GC1938	Flat Spray Kit	
GC1956	Static Mixer Kit	
GC1952	Jet Stream Nozzle (.059 ID) 1,5mm	
GC1953	Jet Stream Nozzle (.070 ID) 1,8mm	
GC1954	Pour Adapter	
GC1892	P2 Elite Conversion Kit	
GC1937	Standard Repair Kit	
GC1950	Premium Repair Kit	
GC1946	Side Seal Kit	
258762	Piston Lock Repair	
GC1947	Hardware Kit 00-03	
GC1949	Hardware Kit 04-05	
GC1948	Hardware Kit –AA (drill bit / ball driver / Filter screen)	
117792	Grease gun (zerk fitting)	
117773	White lithium grease	
118665	Lightly lubricate (for O-Ring and threads)	
248279	Lubricant for Gun Rebuild (113 gram)	
248280	Grease Cartridge for Gun Shutdown (85 gram)	
GC1966	Delayed Air Purge Assembly	313286
24E727	Recirculation Kit Probler P2	406842
B-410	Fiberglass Roving Choppers/ Air Motor AM-100 Motor Rep Kit AM-120 Blades Rep Kit B-210-71	GC-1021
B-510	Fiberglass Roving Choppers / Air Motor AM-100-2 Rep Kit AM-120 Blades Rep Kit B-510-71	
257988	B-410 chopper with mounting kit (see below)	
257989	B-510 chopper with mounting kit (see below)	

Fiberglass Choppers



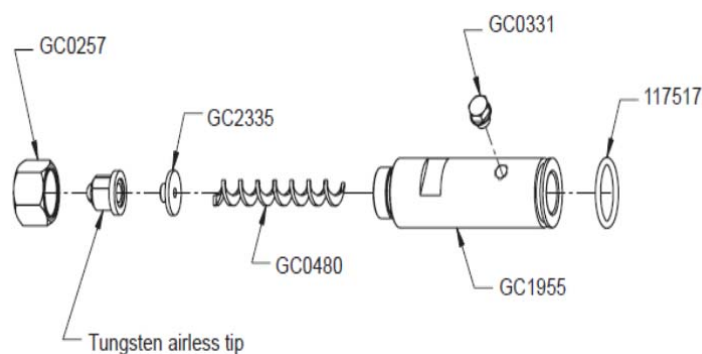
B-410

4, 6, 8, 16, 32 blade cutting head options

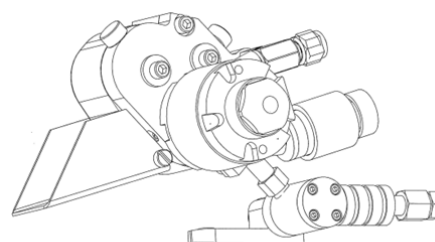


B-510

6 - or 8 - blade cutter head



Static Mixer Kit GC1956



B-410 / B-510 Chopper with mounting kit

257988

257989

Mixing Chamcer cleaning drill

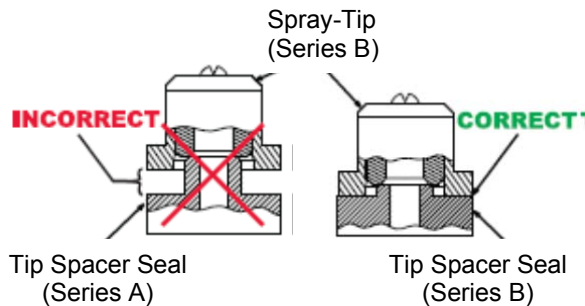
Round Mixing Chamber	Mixing Chamber Nozzle Cleaning Drill		Mixing Chamber Hole Cleaning Drill	
GC250A	248891	0,033 (0,84mm)	276984	0,022 (0,56mm)
GC2500	GC0083	0,049 (1,23mm)	GC0080	0,035 (0,84mm)
GC2501	249112	0,057 (1,45mm)	246629	0,042 (1,07mm)
GC2502	GC0069	0,071 (1,8mm)	246628	0,052 (1,32mm)
GC2503	246625	0,086 (2,18mm)	246627	0,059 (1,5mm)
GC2504	246624	0,094 (2,39mm)	296297	0,067 (1,7mm)
GC2505	246623	0,116 (2,9mm)	246625	0,086 (2,18mm)

Tungsten Carbide Tip

Tungsten Carbide Tip	Fan Code
GC2573	215
GC2574	415
GC2575	217
GC2576	417
GC2577	517
GC2578	221
GC2579	421
GC2580	521
GC2582	223
GC2583	423
GC2584	523
GC2585	723
GC2586	427
GC2587	527
GC2589	231
GC2590	431

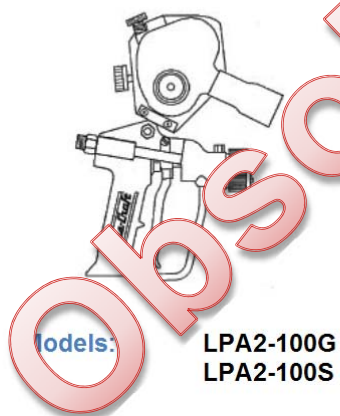
Tungsten Carbide Tip

Tungsten Carbide Tip	Fan Code
GC2591	531
GC2592	235
GC2593	435
GC2594	535
GC2595	439
GC2596	539
GC2597	543
GC2599	351
GC2600	451
GC2601	551
GC2602	751
GC2604	461
GC2605	561
GC2606	661
GC2607	471
GC2608	571



NOTE:
 Spray tip and Tip Spacer Seal part numbers have not changed.

LPA2-IIG/S



Manual: GC-1041	
EC-declaration: N.N	
Air Hose	1/4 NPS
Material Fitting A side / Catalyst	1/4-18 NPT (male)
Material Fitting B side / Resin	1/4-18 NPT (male)
Air Inlet Pressure	7,0bar
Maximum Fluid Pressure	138 bar
Maximum Fluid temperature	38 deg. Celsius
Wetted Parts: Catalyst- Chemically coated aluminum, stainless steel, chemically resistant o-rings, Resin- Carbon steel, carbide, chemically resistant o-rings.	

Model	Description
LPA2-100G	Dispense Gun Gelcoat / Seal Kit D-150-3 / Maintenance Kit D-151-3
LPA2-100S	Dispense Gun Chop / Seal Kit D-150-3 / Maintenance Kit D-151-3
125843	LPA2 Adapter kit For installing an RS Gun onto an LPA2 System see Manual 3A2079

Gelcoat Tips

Part No.	Orifice
23047-J1	0,012 (0,3mm)
23047-J2	0,014 (0,35mm)
23047-J3	0,022 (0,56mm)
23047-M1	0,012 (0,3mm)
23047-M2	0,014 (0,35mm)
23047-M3	0,022 (0,56mm)
23047-P1	0,012 (0,3mm)
23047-P2	0,014 (0,35mm)
23047-P2	0,022 (0,56mm)

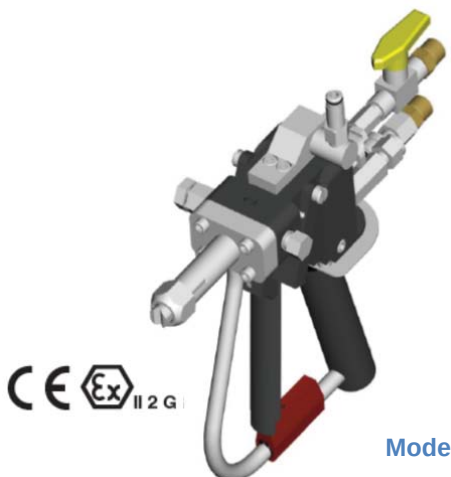
Spray Tips

Part No.	Orifice
LPA2-147-1525	0,015 (0,375mm)
LPA2-147-1540	
LPA2-147-1825	0,018 (0,457mm)
LPA2-147-1840	
LPA2-147-1850	
LPA2-147-2125	0,021 (0,533mm)
LPA2-147-2140	
LPA2-147-2150	
LPA2-147-2325	
LPA2-147-2340	0,023 (0,584mm)
LPA2-147-2350	
LPA2-147-2365	
LPA2-147-2640	0,026 (0,66mm)
LPA2-147-2650	
LPA2-147-3125	0,031 (0,787mm)
LPA2-147-3140	
LPA2-147-3150	

Part No.	Orifice
LPA2-147-3625	0,036 (0,914mm)
LPA2-147-3640	
LPA2-147-3650	0,038 (0,965mm)
LPA2-147-3840	
LPA2-147-3850	
LPA2-147-4325	0,043 (1,09mm)
LPA2-147-4340	
LPA2-147-4350	
LPA2-147-5225	0,052 (1,32mm)
LPA2-147-5240	
LPA2-147-5250	
LPA2-147-5265	0,062 (1,57mm)
LPA2-147-6240	
LPA2-147-6250	
LPA2-147-6265	0,072 (1,83mm)
LPA2-147-7240	
LPA2-147-7250	

Indy Gun

Internal-Mix Low Emission Dispense Gun
For use with Polyester Resin, and Gel-Coat.



Model: 23550-00

Manual:	GC-1306
EC-declaration:	N.N
Air inlet chopper	1/4 NPS NPS (male)
Material Fitting A side / Catalyst	1/4in. Tube
Material Fitting B side / Resin	1/4-18 NPT (male)
Solvent flush	1/4-18 NPT (male)
Air Inlet Pressure	7,0bar
Maximum Fluid Pressure	138 bar
Maximum Fluid temperature	38 deg. Celsius
Wetted Parts: Catalyst- Chemically coated aluminum, stainless steel,chemically resistant o-rings, Resin- Carbon steel, carbide, chemically resistant o-rings.	

Part No.	Description
23550-00	Indy DISPENSE GUN
23530-00	Complete rebuild kit
23538-00	Maintenance kit

23570-00	Internal Mix Gel-Screw- on AAC Gun Head kit
23560-00	Internal Mix Gel Bolt - on AAC Gun Head Kit

Spray Tips

Part No.	Orifice
LPA2-147-1525	0,015 (0,375mm)
LPA2-147-1540	
LPA2-147-1825	0,018 (0,457mm)
LPA2-147-1840	
LPA2-147-1850	
LPA2-147-2125	0,021 (0,533mm)
LPA2-147-2140	
LPA2-147-2150	
LPA2-147-2325	0,023 (0,584mm)
LPA2-147-2340	
LPA2-147-2350	
LPA2-147-2365	
LPA2-147-2640	0,026 (0,66mm)
LPA2-147-2650	
LPA2-147-3125	0,031 (0,787mm)
LPA2-147-3140	
LPA2-147-3150	

Part No.	Orifice
LPA2-147-3625	0,036 (0,914mm)
LPA2-147-3640	
LPA2-147-3650	
LPA2-147-3840	0,038 (0,965mm)
LPA2-147-3850	
LPA2-147-4325	0,043 (1,09mm)
LPA2-147-4340	
LPA2-147-4350	
LPA2-147-5225	0,052 (1,32mm)
LPA2-147-5240	
LPA2-147-5250	
LPA2-147-5265	
LPA2-147-6240	0,062 (1,57mm)
LPA2-147-6250	
LPA2-147-6265	
LPA2-147-7240	0,072 (1,83mm)
LPA2-147-7250	

Impingement Dispense Tips please see into manual GC-1306

IndyX Gun

Internal-Mix Low Emission Dispense Gun
For use with Polyester Resin, and Gel-Coat.



Model: 23590-00

Manual:		GC-1367
EC-declaration:		N.N
Air inlet (Chopper)	1/4 NPS NPS (male)	
Material Fitting A side / Catalyst	1/4in. Tube	
Material Fitting B side / Resin	1/4-18 NPT (male)	
Solvent flush	1/4-18 NPT (male)	
Air Inlet Pressure		7,0bar
Maximum Fluid Pressure		138 bar
Maximum Fluid temperature		49 deg. Celsius
Wetted Parts: Aluminum, stainless steel, carbon steel, carbide, chemically resistant o-rings		

Part No.	Description
23590-00	Indy X DISPENSE GUN

Part No.	Orifice
LPA2-147-1525	0,015 (0,375mm)
LPA2-147-1540	
LPA2-147-1825	
LPA2-147-1840	
LPA2-147-1850	0,018 (0,457mm)
LPA2-147-2125	
LPA2-147-2140	
LPA2-147-2150	
LPA2-147-2325	0,021 (0,533mm)
LPA2-147-2340	
LPA2-147-2350	
LPA2-147-2365	
LPA2-147-2640	0,023 (0,584mm)
LPA2-147-2650	
LPA2-147-3125	
LPA2-147-3140	
LPA2-147-3150	0,026 (0,66mm)
	0,031 (0,787mm)

Part No.	Orifice
LPA2-147-3625	0,036 (0,914mm)
LPA2-147-3640	
LPA2-147-3650	
LPA2-147-3840	
LPA2-147-3850	0,038 (0,965mm)
LPA2-147-4325	
LPA2-147-4340	
LPA2-147-4350	
LPA2-147-5225	0,043 (1,09mm)
LPA2-147-5240	
LPA2-147-5250	
LPA2-147-5265	
LPA2-147-6240	0,052 (1,32mm)
LPA2-147-6250	
LPA2-147-6265	
LPA2-147-7240	
LPA2-147-7250	0,062 (1,57mm)
	0,072 (1,83mm)

Impingement Dispense Tips please see into manual GC-1367

IndyX Chop Gun

Internal-Mix Low Emission Dispense Gun
For use with Polyester Resin, and Gel-Coat.



Model: 23575-00

Manual:		GC-1388
EC-declaration:		N.N
Air inlet (Chopper)	1/4 NPS NPS (male)	
Material Fitting A side / Catalyst	1/4in. Tube	
Material Fitting B side / Resin	1/4-18 NPT (male)	
Solvent flush	1/4-18 NPT (male)	
Air Inlet Pressure		6,9 bar
Maximum Fluid Pressure		138 bar
Maximum Fluid temperature		49 deg. Celsius
Wetted Parts: Aluminum, stainless steel, carbon steel, carbide, chemically resistant o-rings		

Repair Kit:

23557-00

23558-00

O-Ring Kit

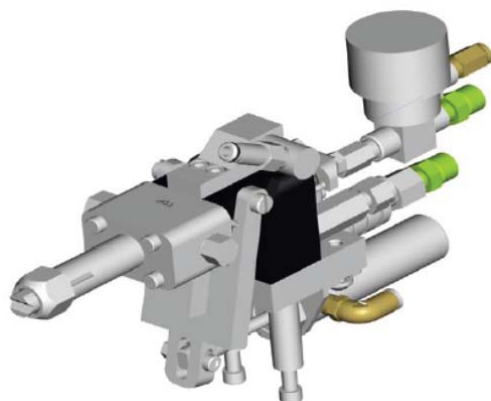
Maintenance Kit

Tips please look in manual GC-1388

Tip 23005-xx =TIP, Spray INDY Gun
Tip 23047-xx =TIP, Spray Gelcoat
Tip LPA2147xxxx =TIP, Spray, Airless

Auto Indy

Internal-Mix Low Emission Dispense Gun
For use with Polyester Resin, and Gel-Coat.



Model: 23580-00

Manual:		GC-1390
EC-declaration:		N.N
Air inlet (Chopper)	1/4 NPS NPS (male)	
Material Fitting A side / Catalyst	1/4in. Tube	
Material Fitting B side / Resin	1/4-18 NPT (male)	
Solvent flush	1/4-18 NPT (male)	
Air Inlet Pressure		6,9 bar
Maximum Fluid Pressure		138 bar
Maximum Fluid temperature		49 deg. Celsius
Weight		1,47 Kg
Wetted Parts:		
Aluminum, stainless steel, carbon steel, carbide, chemically resistant o-rings		

Repair Kit:

23530-00

23558-00

Compl. Rebuild kit

Maintenance Kit

Formula Gun

Low emission internal-mix dispense gun
for use with polyester resin and gel coat.



Manual:		GC-1387
EC-declaration:		N.N
Trigger Air	1/4 NPS Tube	
Air Inlet Size (Chopper)	1/4 in-18 NPS Male	
Material Fitting A side / Catalyst	1/4in. Tube	
Material Fitting B side / Resin	1/4-18 NPT (male)	
Solvent flush	1/4-18 NPT (male)	
Air Inlet Pressure		7,0bar
Maximum Fluid Pressure		138 bar
Maximum Fluid temperature		38 deg. Celsius
Wetted Parts:		
Catalyst- Chemically coated aluminum, stainless steel, chemically resistant o-rings Resin- Carbon steel, carbide, chemically resistant o-rings		

Model: 23750-00
Standard Spray tip 23005-J5

Repair Kits:

23792-00 Gun Air Kit
23793-00 Gun Seal Kit
23732-00 Gun Fluid Valve Kit

Formula X Gun

Low emission external-mix dispense gun



Model: 23750-01
Standard Spray tip LPA2-147-250
For more information see GC1393

Repair Kits:

23792-00 Gun Air Kit
23793-00 Gun Seal Kit
23732-00 Gun Fluid Valve Kit

Manual:		GC-1393
EC-declaration:		N.N
Trigger Air	1/4 NPS Tube	
ACC-AIR	1/4 in. Tube	
Atomize Air	1/4 in. Tube	
Material Fitting A side / Catalyst	1/4in. Tube	
Material Fitting B side / Resin	1/4-18 NPS (male)	
Solvent flush	1/4-18 NPT (male)	
Air Inlet Pressure		7,0bar
Maximum Fluid Pressure		138 bar
Maximum Fluid temperature		38 deg. Celsius
Wetted Parts:		
Catalyst- Chemically coated aluminum, stainless steel, chemically resistant o-rings Resin- Carbon steel, carbide, chemically resistant o-rings		

23790-00 Kit Mount Robot Formula Gun
Conversion-Kit to upgate a Hand Gun to an Automatic Gun



(There is no part no. for an Automatik Gun.
Please order a Hand Gun 23750-01 with the Mount Robot Kit 23790-00)



Chapter 7

DISPENSING

VALVES

&

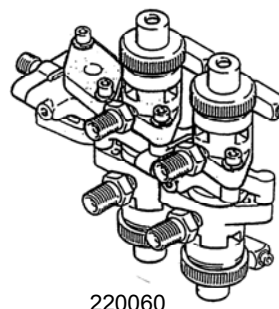
ACCESSORIES

COLOUR CHANGE UNITS

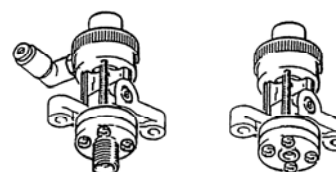
Ref No.	Description	Manual
220xxx	Colour change unit (see chart) 21 bar	
218900	Colour change valve, nylon, 21 bar, orifice 6.5 mm	307731
218964	Colour change valve, SST, 21 bar, orifice 6.5 mm	307941
692024	Colour change valve, SST, 21 bar, 1/8" NPT(I) fluid inlet and outlet, air inlet 10-32"	
907438	Colour change valve, SST, 21 bar, 1/4" NPT(A) fluid discharge = 1x 218-964, 1x 188-469, 4x 112-049, orifice 4.78 mm	
907xxx	HD Colour change unit (see chart) 207 bar	308977
832503	HD Colour change unit 207 bar, valve orifice Ø2.16 mm	308291

Housing Part No.	Housing stainless steel Part No.	Number Checks
	220019	4
220060	220020	5
220061	220021	6
220062	220022	7
220063	220023	8
220064	220024	9
220065	220025	10
220066	220026	11
220067	220027	12
220068	220028	13
220069	220029	14
220070	220030	15
220071	220031	16
220072	220032	17
220073	220033	18
220074	220034	19
220075	220035	20
220076	220036	21
220077	220037	22
220078	220038	23
220079	220039	24
220080	220040	25
220081	220041	26
220082	220042	27
220083	220043	28
220084	220044	29
220085	220045	30

Colour change valve
low pressure



Colour change valve
low pressure



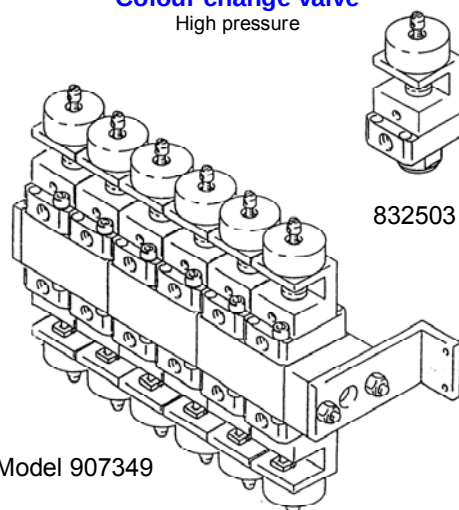
907438

692024

With stainless steel housing part no.	Number Valves*
907345	4
907346	6
907347	8
907348	10
907349	12

* = in normal use there is one valve for air and one valve for solvents

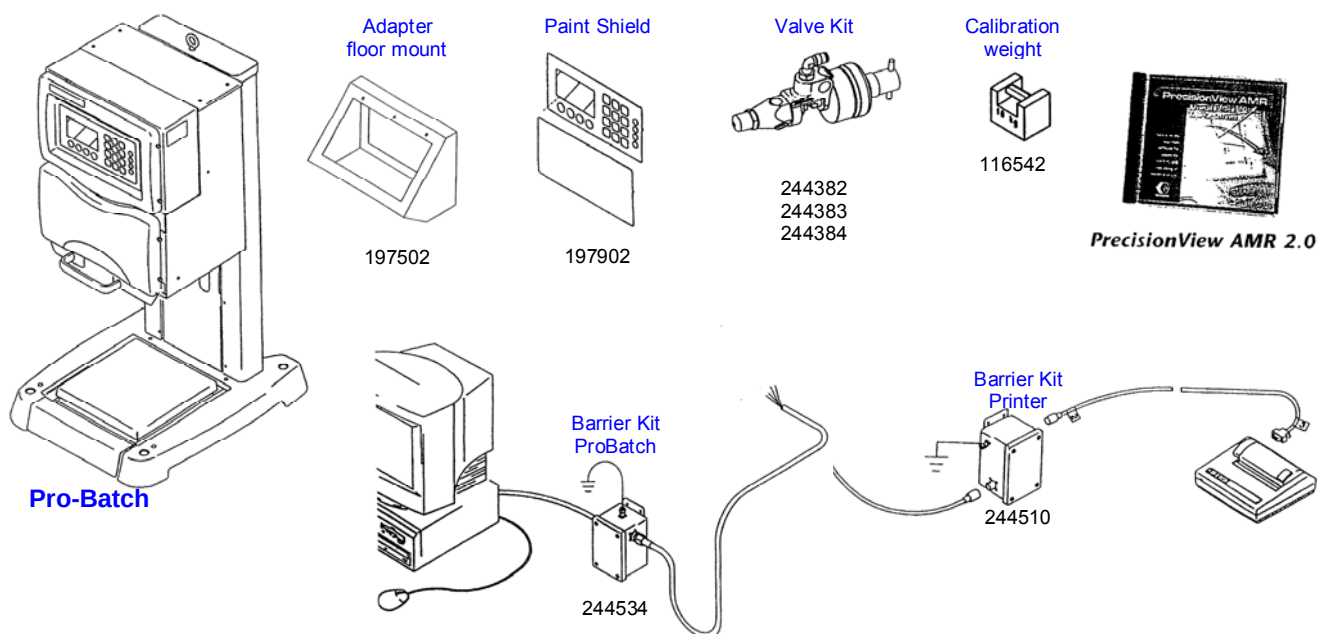
Colour change valve
High pressure



Model 907349

832503

PROBATCH – Electronic batch dispensing system



Ref No.	Description	Manual
244440	Pro-Batch 3-fluid Three valves for up to three fluids One 3.2 mm Ø valve and two 6.35 mm Ø valves	309300
244441	Pro-Batch 6-fluid Six valves for up to six fluids Two 3.2 mm Ø valve and two 6.35 mm Ø valves	309300
PrecisionView AMR 2.0, Software accessories for external control/networking		309218
243377	Single station license	
243378	License for up to 5 stations	325018
243379	License for up to 31 stations	
244534	Pro-Batch barrier kit, for use with AMR in hazardous environment incl. 15 m cable	309313
115769	152 m Beldon 9841 Network Cable	
244778	Converter kit with power supply RS 485 to RS232 (PC connection)	
115770	304 m Beldon 9841 Network Cable	
116542	Calibration weight 10 kg, official weight for calibration of the scale	
197502	Housing kit, allows the operator to view the screen at a 45° angle	
239873	Printer kit, including printer 113774 and 7.6 m long printer network cable 192-491	308818
514037	Printer paper	
244510	Printer barrier kit, if Pro-Batch is used in hazardous areas, includes 13.7 cable and ground stud with wire	309313
197902	Protective shield for display; this transparent shield is supplied in a pack of 10 and protects the viewing area of the control unit from dirt	
244983	Accessory kit, used for highly viscose fluid, order dispense valve separately	309397
244382	Auto dispense valve, 3.2 mm stainless steel needle/tip	306715
244383	Auto dispense valve, 6.35 mm stainless steel needle/tip	306715
244384	Auto dispense valve, 6.35 mm stainless steel needle/tip for acid-catalyzed fluids	306715
244792	Dispense valve mounting kit/without valves, comprising regulator, mounting hardware, tubing	306715
	Needle/tip kits for auto dispense valves	306715
244385	Needle/tip kit stainless steel 3 mm	306715
244386	Needle/tip kit stainless steel 6.35 mm	306715
244387	Needle/tip kit special stainless steel (for acid-catalyzed fluids) 6.35 mm	306715
114124	Air filter ½" NPT, 5 Micron	

GEAR METERS & FLOW METERS – INFORMER

G3000 / G250 / HG6000 / Coriolis / Piston

Informer with Flowmeter G3000 & (HR)



243312
234105

Fig. electr.
connection



Flowmeter G3000 & (HR)



239716
244292 (HR)



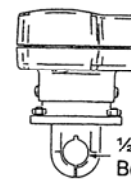
289813
289814 (HR)

Informer



243310
243316
243317

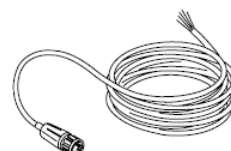
Informer Tube fixing



243313
243314
243315

½", ¾", 1" Rohr
Befestigung

Informer lead



948924 (15m)
948926 (30m)
948928 (45m)

Flowmeter G250 (HR)

Fig. electr.
connection



249426
249427 (HR)

Solvent Meter S3000



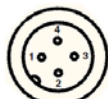
258718

HG 6000 (HR/HT)



246190
246652
246340

Sensor Connector Pin-out



Pin 1: +10-30 Vdc Supply
Pin 2: Signal Out
Pin 3: Ground
Pin 4: No Connection

Piston



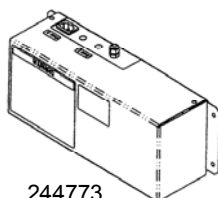
116161

Coriolis



234563
116158
15D135

Interface Box



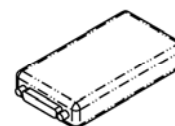
244773
244774
244775
244776

Power supply 12DC



195638

Converter Module



195013

GEAR METERS & FLOW METERS – INFORMER

Part No.	Description:	Flowmeter G3000 (HR)	Hazardous area power supply with barrier	Manual
258718	S3000, with 90° sensor connector,	210 bar, 20 – 50 CPS	38 – 1900ccm/min	308778 (300548)
244292	G3000 HR,	276 bar, 20-3000 CPS,	38 – 1.900ccm/min,	
289814	G3000 HR, with 90° sensor connector	276 bar, 20-3000 CPS,	38 – 1.900ccm/min,	
239716	G3000,	276 bar, 20-3000 CPS,	75 – 3.800ccm/min,	
289813	G3000, with 90° sensor connector	276 bar, 20-3000 CPS,	75 – 3.800ccm/min,	
234106	G3000 HR with cable,	(244292) & cable kit 15m (948924)		309102
243554	G3000 with cable,	(239716) & cable kit 15m (948924)		
234105	G3000 HR	and informer display 243310		
243312	G3000	and informer display 243310		
243310	Informer (Display) for fixed connection to the flowmeter			
243316	Informer wall mount	243316 + 243554 = 6880295		
243313	Informer to connect to tube ½“ (pipe mount)	243313 + 243554 = 6880292		
243314	Informer to connect to tube ¾“ (pipe mount)	243314 + 243554 = 6880293		
243315	Informer to connect to tube 1“ (pipe mount)	243315 + 243554 = 6880294		
243317	Informer to mount on DIN-rail (rail mount)	243317 + 243554 = 6880296		
948924	Cable + connector from measuring cell to Informer	15 m	for remote assembly	
948926	Cable + connector from measuring cell to Informer	30 m		
948928	Cable + connector from measuring cell to Informer	45 m		
244773	Interface Box Non-hazardous area with power supply 24VDC (116601), max 10 Informers			309366 max 2 Informers
244774	Interface Box Non-hazardous area with power supply 24VDC & isolator/repeater, max 10 Informers			
244775	Interface Box Hazardous area with power supply 12VDC (116960) & barriers network/signal			
244776	Interface Box Hazardous area with supply 12 VDC & barriers network/signal & isolator/repeater max			
195638	DC power supply for Informer & conversion kit 244778		514895	Barriers for 195638
244778	Conversion kit from RS232 to RS 485 = (195638 + 195013 + 514001)			
195013	RS 485 Converter module			
111985	not shown	Barriers G3000 (HR)		
195867	not shown	Protective adhesive film display Informer (qty 10)		
243552	Rep Kit Informer	Display diaphragm switch (diaphragm – display switch)		309111
243551	Rep Kit Informer	LCD display		309110
243550	Rep Kit Informer	Board		309109
243549	Upgrade Kit Firmware Informer			309108
244107	not shown	AMR 2.0 (Precision View) for one station, (only Informer)		
244108	not shown	AMR 2.0 (Precision View) for five stations, (only Informer)		
115769	not shown	Beldon 9841 network cable 152 m	115770 not shown	Beldon 9841 network cable 304 m
115838	not shown	Fuse 0.1 amp for informer input and outputs		

Use G3000 in hazardous area

Basic model	Battery 9V Block	Supply external 12V	Hazardous approved		Interface	
			Battery	External power supply	Battery	Ext. power supply
243312	Yes	Possible	Yes	Only with barriers	No	Yes
234105	Yes	Possible	Yes	Only with barriers	No	Yes

Version “remote supply”	Battery	Supply external 24V	Hazardous approved	Interface
239716 + Display	No	Yes	Only with barriers	Yes

Part No.	Description	Flowmeter G250 (HR)	Manual
249426	G250	17 bar, 20-3000 CPS,	75 – 3.800ccm/min,
249427	G250 HR	17 bar, 20-3000 CPS,	38 – 1.900ccm/min,
249427	G250 HR	17 bar, 20-3000 CPS,	38 – 1.900ccm/min,
Part No.	Description	Flowmeter HG 6000 (HR/HT)	Manual
246190	HG 6000	410 bar, 30-1,000,000 CPS,	50 – 22.712ccm/min 82 C°
246652	HG 6000 HR	410 bar, 30-1,000,000 CPS,	25 – 7.571ccm/min 82 C°
246340	HG 6000HT	410 bar, 30-1,000,000 CPS,	50 – 22.712 ccm/min, 204 C°
Part No.	Description	Flowmeter Coriolis	Manual
258150	Coriolis 1/8"	160 bar, 1-2000 CPS,	40 – 2000ccm/min,
258151	Coriolis 3/8"	160 bar, 1-2000 CPS,	40 – 2000ccm/min,
116158	Coriolis	345 bar, 1-2000 CPS,	40 – 2000ccm/min,
15D135	Coriolis	160 bar, 1-2000 CPS,	40 – 2000ccm/min,
Part No.	Description	Flowmeter meter	Manual
116161	Piston type	210 bar, 0.3-20 CPS,	40 – 10.000cc/min

DISPENSING UNITS - PR 70 & PR70V

EC-DECLARATION: 199239

PR70	Operation & Maintenance with standard display module	Manual: 3A0429
PR70 and PR70V	Operation & Maintenance with advanced display	Manual: 312759
PR70	Operation & Maintenance (old)	Manual: 312393

Repair / Parts Manual: 312760

Tank / Feed System	Manual: 312394
Dispense Valve MD2	Manual: 312185
Integrated Heat PR70 PR70V	Manual: 312761
Heat control Tank / Hose	Manual: 312413



Technical data:

Metering Pump:	80 – 960 mm ² per side
Max Stroke:	38,1 mm
Min Stroke:	5,8 mm
Volume per Stroke:	2 – 70 cm ³
Ratio Fixed (variable):	1:1 – 12:1 (1:1 - 24:1)
Max. Pressure:	207 bar 3000psi
Max. Cycle rate:	30 / min
Max temp.:	50°C PE / 70°C Nylon
Air inlet:	¼" NPT (f) / max 7bar

Order the PR70 & PR70VTM with the configuration

Example:

PR70 -	2	- BT	- BF	- A	- A7	- A4	- 2	- 3	- 1	- 1	- N	- 2	- N	- N	- N	- 2	- N	- N	- N
Code :	A	B-C	D-E	F	G-H	I-J	K	L	M	N	O	P	Q	R	S	T	U	V	W
	Motor	High Volume Piston	Low Volume Piston	Check Valve	High Volume Hose	Low Volume Hose	Dispense Valve	Mixer	Applicator Mounting	Power Cord	Pressure Transducers	High Volume Tank	High Volume Lib	Low Volume Tank	Low Volume Lib	Low Level Sensors	Heat Controller	Wet Test	Off-board Tank Stand

Accessories:

Part No.	Description
120910	Switch ON/OFF with fuse 4A F 250VAC
120876	Power Supply 24V DC / 40W / 100-240V AC in
	Relief Valve
LC0027	Low-Level Sensor PE-tank
LC0028	Low-Level Sensor SST - tank (long)
LC0029	Low-Level Sensor SST - tank (short)
LC0033	Transducer, linear, PR70S
LC0110	3,0° Air Cylinder
LC0111	4,5° Air Cylinder
LC0091	3,0° Air Cylinder repair kit (4 pieces O-Ring)
LC0092	4,5° Air Cylinder repair kit (4 pieces O-Ring)
120992	Muffler Air, flow control, ¼" NPT
121021	Muffler Air, bronze, ¼" NPT
LC0093	Check Valve repair kit (ball / seat / guide / spring)
LC0094	Rear Pump seal repair kit (O-Ring / Ring RET / Posipak)
LC0095	Nitrogen kit for 30 litre and 60 litre tank (1 tank)
LC0096	Nitrogen kit for 30 litre and 60 litre tank (2 tank)
LC0097	Desiccant Dryer, 3/8" NPT with adapter and cartridge
LC0098	Desiccant Dryer refill cartridge
LC0099	Vacuum transfer pump 120V
LC0100	Vacuum transfer pump 240V
LC0008	Cord I/O interface and foot switch part

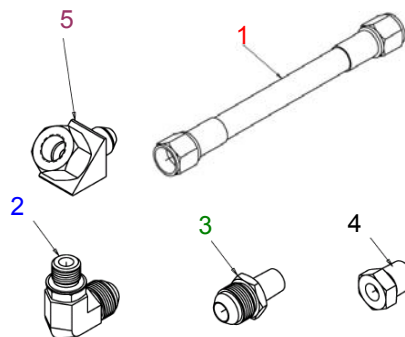
PR 70 HOSE & FITTINGS REPLACEMENT KITS

Graco No.	Description	Pos	Graco No.	Description	Pos
LC0801	Hose assy. 3/16" 30"	1+2+3+4	Heated hose assembly ↓ ↓ ↓ ↓		
LC0802	Hose assy. 3/16" 120"	1+2+3+4			
LC0803	Hose assy. 3/16" 180"	1+2+3+4			
LC0804	Hose assy. 1/4" 30"	1+2+3			
LC0805	Hose assy. 1/4" 120"	1+2+3	LC0826	Hose assy. 1/4" 30"	1+2+3+5
LC0806	Hose assy. 1/4" 180"	1+2+3	LC0827	Hose assy. 1/4" 120"	1+2+3+5
LC0807	Hose assy. 3/8" 30"	1+2+3	LC0828	Hose assy. 1/4" 180"	1+2+3+5
LC0808	Hose assy. 3/8" 120"	1+2+3	LC0829	Hose assy. 3/8" 30"	1+2+3+5
LC0809	Hose assy. 3/8" 180"	1+2+3	LC0830	Hose assy. 3/8" 120"	1+2+3+5
LC0810	Hose assy. 1/2" 30"	1+2+3	LC0831	Hose assy. 3/8" 180"	1+2+3+5
LC0811	Hose assy. 1/2" 120"	1+2+3	LC0832	Hose assy. 1/2" 30"	1+2+3+5
LC0812	Hose assy. 1/2" 180"	1+2+3	LC0833	Hose assy. 1/2" 120"	1+2+3+5
LC0813	Hose assy. 3/4" 120"	1+2+3	LC0834	Hose assy. 1/2" 180"	1+2+3+5
LC0814	Hose assy. 3/4" 180"	1+2+3	LC0835	Hose assy. 3/4" 120"	1+2+3+5
			LC0836	Hose assy. 3/4" 180"	1+2+3+5

Graco No.	Description	Pos	Graco No.	Description	Pos
GNV 05486	Hose 3/16 - 30"	1	Heated hose ↓ ↓ ↓ ↓		
GNV 05480	Hose 3/16 - 120"	1			
GNV 05482	Hose 3/16 - 180"	1			
GNV 05523	Hose 1/4 - 30"	1			
GNV 05515	Hose 1/4 - 120"	1	LC0838	Hose assy. 1/4" 30"	1
GNV 05519	Hose 1/4 - 180"	1	LC0840	Hose assy. 1/4" 120"	1
GNV 05553	Hose 3/8 - 30"	1	LC0842	Hose assy. 1/4" 180"	1
GNV 05547	Hose 3/8 - 120"	1	LC0844	Hose assy. 3/8" 30"	1
GNV 05550	Hose 3/8 - 180"	1	LC0846	Hose assy. 3/8" 120"	1
GNV 05594	Hose 1/2 - 30"	1	LC0848	Hose assy. 3/8" 180"	1
GNV 05587	Hose 1/2 - 120"	1	LC0850	Hose assy. 1/2" 30"	1
GNV 05590	Hose 1/2 - 180"	1	LC0852	Hose assy. 1/2" 120"	1
GNV 05618	Hose 3/4 - 120"	1	LC0854	Hose assy. 1/2" 180"	1
GNV 05621	Hose 3/4 - 180"	1	LC0856	Hose assy. 3/4" 120"	1
			LC0858	Hose assy. 3/4" 180"	1

Graco No.	Description	Pos
GNV 07533	Elbow 90 Grad 3/16 "	2
GNV 07536	Elbow 90 Grad 1/4 "	2
GNV 07538	Elbow 90 Grad 3/8 "	2
GNV 07540	Elbow 90 Grad 1/2 "	2
GNV 07542	Elbow 90 Grad 3/4 "	2
121 041*	Elbow 45 Grad 1/4 "	5
121 042*	Elbow 45 Grad 3/8 "	5
121 043*	Elbow 45 Grad 1/2 "	5
121 044*	Elbow 45 Grad 3/4 "	5
94/1000/98*	Adapter 3/16 "	3
J6900040*	Adapter 1/4 "	3
94/1007/98*	Adapter 3/8 "	3
94/1009/98*	Adapter 1/2 "	3
94/1083/98*	Adapter 3/4 "	3
94/0488/98*	Bushing	4

* Liquid control no.



PR 70 PISTON REPLACEMENT KITS

Nylon					
Part.No	Figure	Pos.1	Pos.2	Pos.3	Pos.4
LC1080	1	LCC080	LCB080	15M089	---
LC1100	1	LCC100	LCB100	15M089	---
LC1120	2	LCC120	LCB120	---	---
LC1140	2	LCC140	LCB140	---	---
LC1160	3	LCC160	LCB160	15M099	15K887
LC1180	3	LCC180	LCB180	15M099	15K887
LC1200	3	LCC200	LCB200	15M099	15K887
LC1220	3	LCC220	LCB220	15M099	15K887
LC1240	3	LCC240	LCB240	15M100	15K887
LC1260	3	LCC260	LCB260	15M100	15K887
LC1280	3	LCC280	LCB280	15M100	15K887
LC1300	3	LCC300	LCB300	15M100	15K887
LC1320	3	LCC320	LCB320	15M100	15K888
LC1340	3	LCC340	LCB340	15M100	15K888
LC1360	3	LCC360	LCB360	15M100	15K888
LC1400	3	LCC400	LCB400	15M100	15K888
LC1420	3	LCC420	LCB420	15M100	15K888
LC1440	3	LCC440	LCB440	15M100	15K888
LC1480	3	LCC480	LCB480	15M100	15K888
LC1520	3	LCC520	LCB520	15M100	15K888
LC1560	3	LCC560	LCB560	15M101	15K888
LC1600	3	LCC600	LCB600	15M101	15K888
LC1640	3	LCC640	LCB640	15M101	15K890
LC1720	3	LCC720	LCB720	15M101	15K890
LC1800	3	LCC800	LCB800	15M101	15K890
LC1880	3	LCC880	LCB880	15M101	15K890
LC1960	3	LCC960	LCB960	15M101	15K890

UHMWPE					
Part.No	Figure	Pos.1	Pos.2	Pos.3	Pos.4
LC2160	3	LCC160	LCA160	15M099	15K887
LC2180	3	LCC180	LCA180	15M099	15K887
LC2200	3	LCC200	LCA200	15M099	15K887
LC2220	3	LCC220	LCA220	15M099	15K887
LC2240	3	LCC240	LCA240	15M100	15K887
LC2260	3	LCC260	LCA260	15M100	15K887
LC2280	3	LCC280	LCA280	15M100	15K887
LC2300	3	LCC300	LCA300	15M100	15K887
LC2320	3	LCC320	LCA320	15M100	15K888
LC2360	3	LCC360	LCA360	15M100	15K888
LC2400	3	LCC400	LCA400	15M100	15K888
LC2440	3	LCC440	LCA440	15M100	15K888
LC2480	3	LCC480	LCA480	15M100	15K888
LC2520	3	LCC520	LCA520	15M100	15K888
LC2560	3	LCC560	LCA560	15M101	15K888
LC2600	3	LCC600	LCA600	15M101	15K888
LC2640	3	LCC640	LCA640	15M101	15K890
LC2720	3	LCC720	LCA720	15M101	15K890
LC2800	3	LCC800	LCA800	15M101	15K890
LC2880	3	LCC880	LCA880	15M101	15K890
LC2960	3	LCC960	LCA960	15M101	15K890

Pos.5	120933	Screw
Pos.6	120874	O-Ring

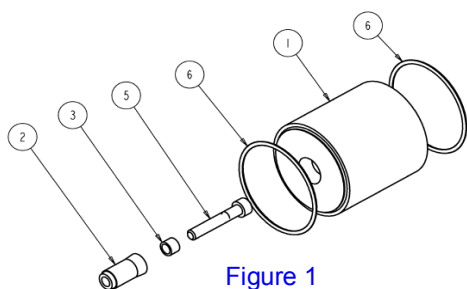


Figure 1

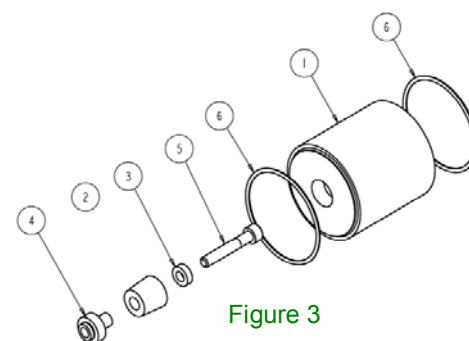


Figure 3

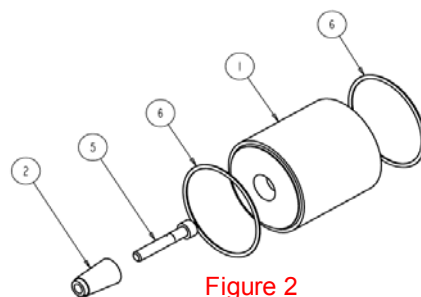
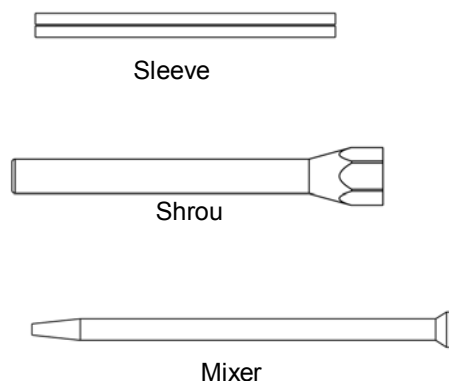


Figure 2

PR 70 MIXER AND SHROUD

Part No.	Description
Mixer 10 pieces with shroud	
LC0063	3/16" x 32 10 Mixers with shroud
LC0057	1/4" x 24 10 Mixers with shroud
LC0058	3/8" x 24 10 Mixers with shroud
LC0059	3/8" x 36 10 Mixers with shroud
LC0060	3/8" combo 10 Mixers with shroud
LC0061	3/16" x 32 Luer Lock 10 Mixers with shroud and sleeve
LC0062	1/4" x 24 Luer Lock 10 Mixers with shroud and sleeve
Mixer 50 pieces	
LC0077	3/16" x 32 50 Mixers
LC0078	1/4" x 24 50 Mixers
LC0079	3/8" x 24 50 Mixers
LC0080	3/8" x 36 50 Mixers
LC0081	3/8" combo 50 Mixers
LC0083	1/4" x 24 Luer Lock 50 Mixers
LC0082	3/16" x 32 Luer Lock 50 Mixers
Mixer 250 pieces	
LC0084	3/16" x 32 250 Mixers
LC0085	1/4" x 24 250 Mixers
LC0086	3/8" x 24 250 Mixers
LC0087	3/8" x 36 250 Mixers
LC0088	3/8" combo 250 Mixers
LC0089	1/4" x 24 Luer Lock 250 Mixers
LC0090	3/16" x 32 Luer Lock 250 Mixers



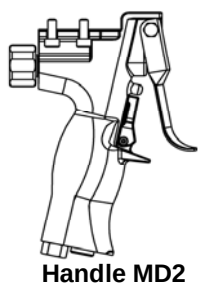
PR 70 MD2 VALVE

Manual: 312 185

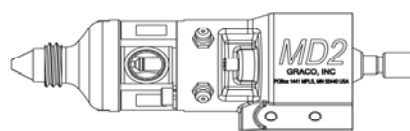
Technical data:

Fluid inlet:	9/16-18UNF(f)
Fluid outlet:	7/8-9 bell
Air inlet:	1/8" NPT (f) max 8,4 bar

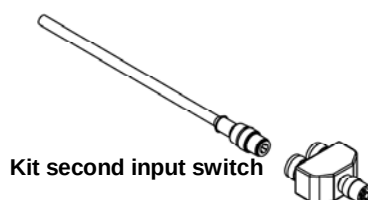
Part No.	Description
15V628	
255179	1:1 Soft seat, adjustable snuff back
255180	1:1 Hard seat, non-adjustable snuff back
255181	Wide ratio, soft seat, adjustable snuff back
255182	Wide ratio, hard seat, non-adjustable snuff back
255206	Handel MD2 Air trigger 8,4 bar
255208	Handel MD2 electric air actuated 3A @ 28V DC
255249	Handel MD2 electric actuated lever 0,5A @ 28V DC
LC0008	Cord 1/0 Interface with footswitch port (4m) second input switch Footswitch (255244)
255244	Footswitch (not shown) with plug and cable (4m)
15V628	(not shown) "Night Cap" MD2 valve 10:1
255217	MD2 rebuild kit, air cylinder
255218	MD2 repair kit, back end of wet section (no needle or seat)
255219	MD2 Soft Seat repair kit, needle and nose
255220	MD2 convert Soft Seat repair kit, hard seat rebuild needle and nose



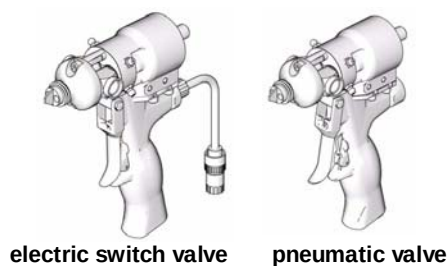
Handle MD2



MD2 Valve



Kit second input switch



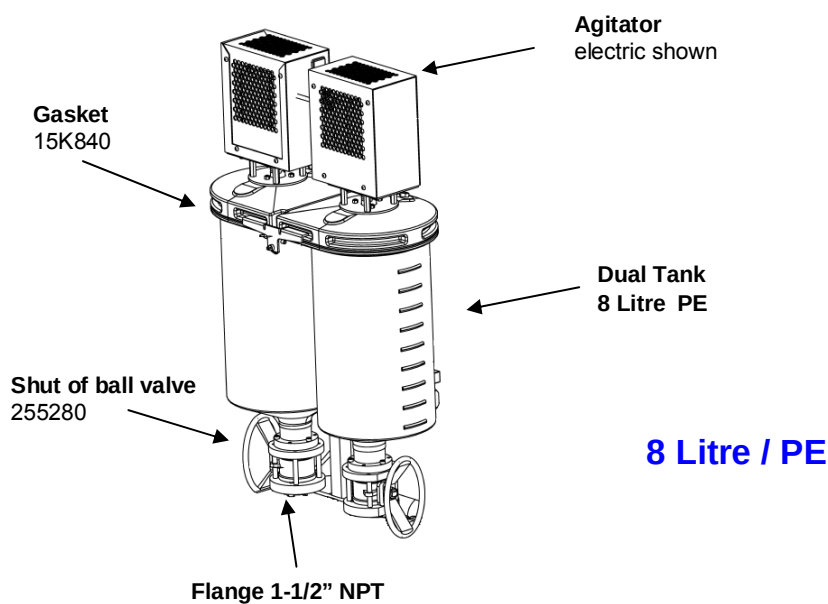
electric switch valve

pneumatic valve

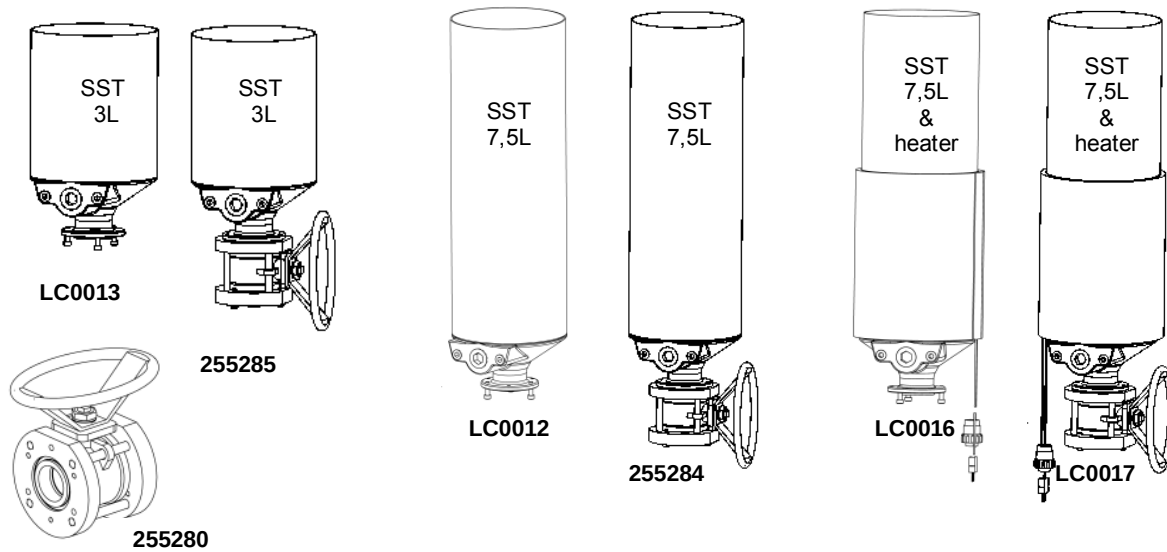
PR 70 TANK / FEED SYSTEM

Manual: 312394

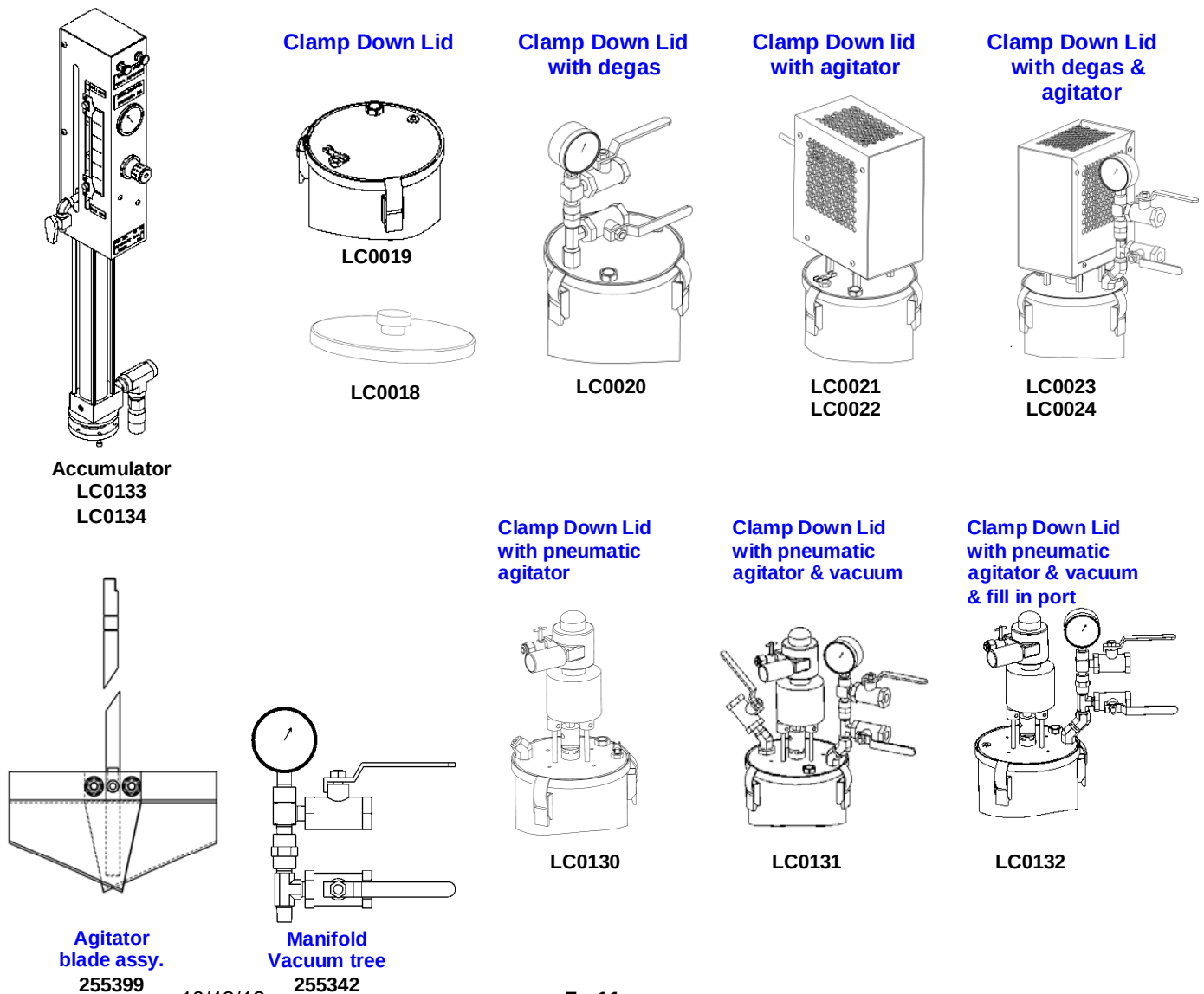
Part No.	Description complete units 8 Litre PE
255241	Dual Tank PE 8 litre complete, (without agitator)
255281	Dual Tank PE 8 litre complete, with shutoff ball valve, (without agitator)
LC0156	Dual Tank PE 8 litre complete, with one agitator pneumatic
255250	Dual Tank PE 8 litre complete, with one agitator 120V
LC0126	Dual Tank PE 8 litre complete, with one agitator 240V
LC0158	Dual Tank PE 8 litre complete, with one agitator pneumatic ,shutoff ball valve
255282	Dual Tank PE 8 litre complete, with one agitator 120V, shutoff ball valve
LC0128	Dual Tank PE 8 litre complete, with one agitator 240V, shutoff ball valve
LC0157	Dual Tank PE 8 litre complete, with two agitator pneumatic
255251	Dual Tank PE 8 litre complete, with two agitator 120V
LC0127	Dual Tank PE 8 litre complete with two agitator 240V
LC0159	Dual Tank PE 8 litre complete, with two agitator pneumatic, shutoff ball valve
255283	Dual Tank PE 8 litre complete, with two agitator 120V, shutoff ball valve
LC0129	Dual Tank PE 8 litre complete with two agitator 240V, shutoff ball valve
Part No.	Description accessories
255479	Dual kit Tank – (hopper) without mounting holes for agitator
255480	Dual kit Tank – (hopper) with one side mounting holes for agitator
255481	Dual kit Tank – (hopper) with both side mounting holes for agitator
15K840	Gasket Nitrile Ø 600mm (between tank and lid)
LC0027	Low-Level Sensor PE-tank
255280	Shut of ball valve
255503	Agitator Kit 240V (for 8 litre PE-Tank)
255246	Agitator Kit 120V (for 8 litre PE-Tank)
255730	Pneumatic Agitator (for litre PE-Tank)



STAINLESS STEEL TANKS 3 L - 7.5 LITRES



LID ASSEMBLIES

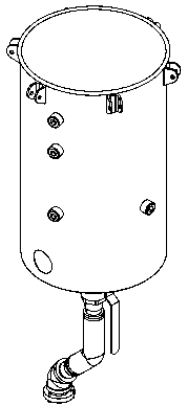


STAINLESS STEEL TANKS 3 L - 7.5 LITRES

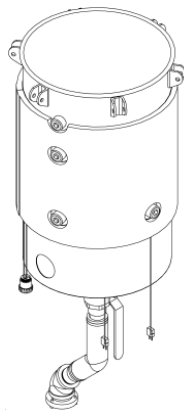
Part No.	Description
LC0013	Single Tank SST 3 litre
255285	Single Tank SST 3 litre, shut of ball valve
LC0012	Single Tank SST 7,5 litre
255284	Single Tank SST 7,5 litre, shut of ball valve
LC0016	Single Tank SST 7,5 litre , heater 230V
LC0017	Single Tank SST 7,5 litre , heater 230V , shut of ball valve
LC0018	Lid assembly dust cover
LC0019	Lid assembly 7,5L, clamp down
LC0020	Lid assembly 7,5L, clamp down with vacuum degas
LC0021	Lid assembly 7,5L, with electric agitator 120V
LC0022	Lid assembly 7,5L, with electric agitator 240V
LC0023	Lid assembly 7,5L, with electric agitator 120V and degas
LC0024	Lid assembly 7,5L, with electric agitator 240V and degas
LC0025	Lid assembly 7,5L, with electric agitator 120V, degas and fill port
LC0026	Lid assembly 7,5L, with electric agitator 240V, degas and fill port
LC0130	Lid assembly 7,5L, with pneumatic agitator
LC0131	Lid assembly 7,5L, with pneumatic agitator and degas
LC0132	Lid assembly 7,5L, with pneumatic agitator, degas and fill port
255337*	Agitator motor Kit 120V
255338*	Agitator motor Kit 240V
255339	Agitator blade assembly 7,5L
255342	Manifold assembly vacuum tree
255280	Shut of valve
LC0028	Low-Level Sensor SST - tank (long)
LC0029	Low-Level Sensor SST - tank (short)
LC0133	Accumulator viton (Rep Kit LC0154)
LC0134	Accumulator EP (Rep Kit LC0155)

*not shown

OFF-BOARD 30 L / 60 L SST TANK ASSEMBLY



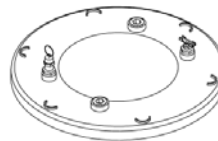
**LC0054
LC0055**



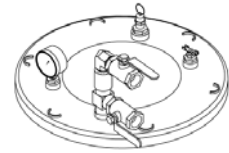
**LC0104
LC0105**



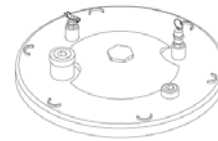
255391



LC0042



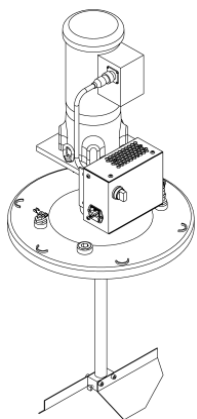
LC0043



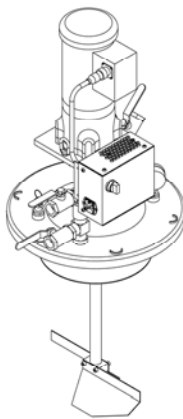
LC0101



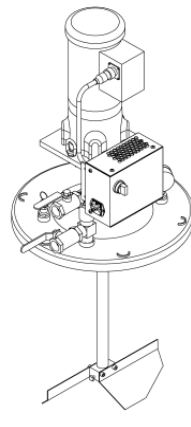
LC0102



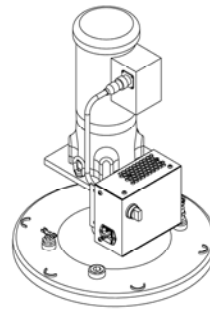
LC0047



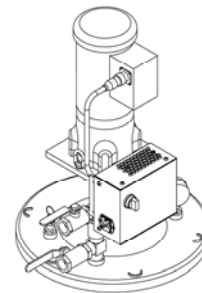
LC0051



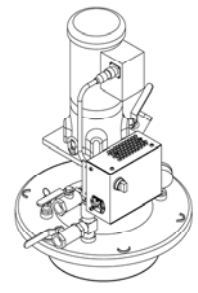
LC0049



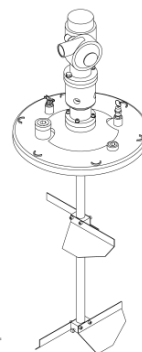
LC0044



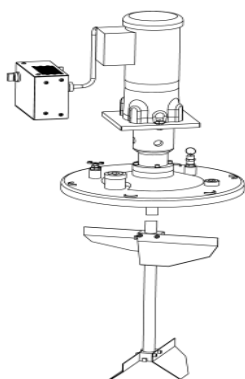
LC0045



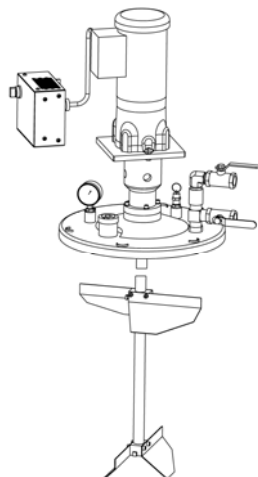
LC0046



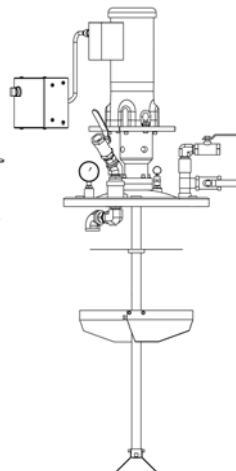
**LC0142 (30Liter)
LC0143 (60Liter)**



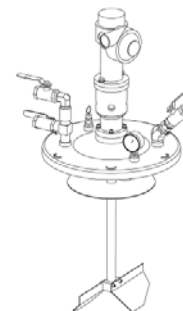
LC0048



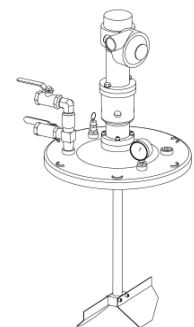
LC0050



LC0052



**LC0144 (30Liter)
LC0145 (60Liter)**



**LC0146 (30Liter)
LC0147 (60Liter)**

STAINLESS STEEL TANKS 3 L - 7.5 LITRES

Part No.	Description
Tank:	
LC0054	30 Litre Tank assembly
LC0055	60 Litre Tank assembly
LC0104	30 Litre Tank assembly, with heat
LC0105	60 Litre Tank assembly, with heat
Lid:	
LC0042	30 Litre Clamp Down Lid
LC0101	60 Litre Clamp Down Lid
LC0043	30 Litre Clamp Down Lid, with degas
LC0102	60 Litre Clamp Down Lid, with degas
LC0044	30 Litre Lid assembly, with electric agitator
LC0045	30 Litre Lid assembly, with electric agitator and Vacuum degas
LC0046	30 Litre Lid assembly, with electric agitator, Vacuum degas and fill in port
LC0047	30 Litre Clamp Down Lid, with electric agitator
LC0048	60 Litre Clamp Down Lid, with electric agitator
LC0049	30 Litre Clamp Down Lid, with electric agitator and vacuum degas
LC0050	60 Litre Clamp Down Lid, with electric agitator and vacuum degas
LC0051	30 Litre Clamp Down Lid, with electric agitator, vacuum degas and fill in port
LC0052	60 Litre Clamp Down Lid, with electric agitator, vacuum degas and fill in port
LC0142	30 Litre Lid assembly, with pneumatic agitator
LC0143	60 Litre Lid assembly, with pneumatic agitator
LC0144	30 Litre Lid assembly, with pneumatic agitator and vacuum degas
LC0145	60 Litre Lid assembly, with pneumatic agitator and vacuum degas
LC0146	30 Litre Lid assembly, with pneumatic agitator, vacuum degas and fill in port
LC0147	60 Litre Lid assembly, with pneumatic agitator, vacuum degas and fill in port
Accessories:	
255391	Feed System
LC0119*	Thermo well assembly
255386*	Agitator Motor assembly
255384*	Manifold 3/4" vacuum tree

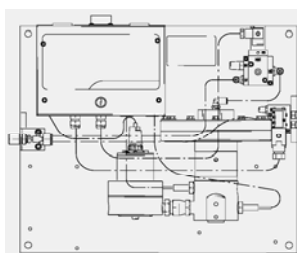
* not shown

PRECISIONFLO & PRECISIONSWIRL

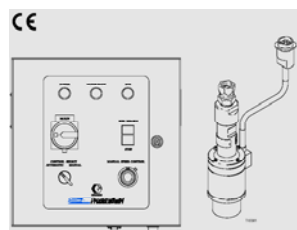
CONFIGURATOR	Manual
PrecisionFlo LT Standard, see configuration	309738
PrecisionFlo LT Advanced, see configuration	309734
PrecisionFlo XL, control box, see configuration from 684054 and 305483	309374

Example:

Pflo XL F- : 1 - N - 1 - N - 2 - 1 - N - 3 - 1 - 2 - N - N - N - N - N - 1 - 2 - N - N - N - N - N
code : A B C D E F G H J K L M N P R S T V W X Y Z

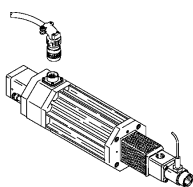


PrecisionFlo™
XL Metering module

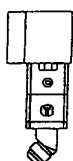


Precision Swirl™
module

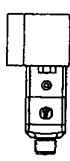
Part No.	Description	Manual
241658	PrecisionSwirl module incl. 233123, 617870, 617829, 243403 und 918616 (Standard*)	310554
233125	Cable, Motor flexible 1,8m	309403
233124	Cable, Motor flexible 2,7m	
233123*	Cable, Motor flexible 4,6m	
617870*	Cable, Motor 16,8m	
617829*	Cable, Roboter 12,2m	
243402	Orbital-outlet swirl, orifice 0,30mm, gun mounting	
243403*	Orbital-outlet swirl, orifice 0,71mm, gun mounting	309375
918616*	Operating box, cabinet	
233654	PrecisionFlo XL Metering module PrecisionFlo XL module, Fluid plate, low viscosity	
233673	PrecisionFlo XL module, Fluid plate, high viscosity	
245315	PrecisionFlo XL module, Fluid plate, high viscosity, Helical D-meter, mastic regulator	
244920	PrecisionFlo XL dispense valve – PVC application, electric Regulator low flow	309382
244921	PrecisionFlo XL dispense valve	
246190	HG 6000 spindle volume meter 50 – 22712 cc/min max 82°C (K-factor 0,286)	309834
246652	HG 6000HR spindle volume meter 25 – 7571 cc/min max 82°C (K-factor 0,143)	
246340	HG 6000 HT same like 246190 but with heater, max 204°C, 240 Volt , 400 Watt	
243482	Automatic valve, snuffer-principle, P-Swirl orbiter, outlet 45° ¼"NPT(f) or ¾"-16 UNF(M)	308876
243666	Automatic valve, snuffer-principle, PrecisionFlo™, outlet straight ¼"NPT(f) or ¾"-16 UNF(M) other valve see EnDure Hot-Melt and manual 308876	
C59725	Filter module	308969
C08179	Extrusion nozzle ¼" NPT(M), orifice 4mm	
C59593	Stream-spray nozzle set incl.: nozzle adapter C32089 ⅜", extrusion nozzle C08064, nozzle union nut 617585, ⅝"-18UNF-2A and stream nozzle 270027, 270029 and 270031 (nozzle with one orifice)	
C08224	Multiple orifice stream nozzle 6x orifice a 0,53mm, can be used with multiple orifice air cap 220960	
918607	Swirl nozzle 0,69mm orifice, standard equipment, see instruction for further information	309403
947937	Injector valve ¼" NPT(f) und ¼"NPT(M)	



244920
244921



243482



243666

Max. viscosity
1million
CPS



246652
246191
246340

PCF Metering System

Manual: 313377

Leaflet: 340305

Precision Continuous Flow Metering and Dispense System for Sealants and Adhesives

Applications:

- Bead Dispensing
- Gasketing
- Seam Sealing
- Hem Flange
- Sound Deadening
- Anti-Flutter
- Body Panel
- Reinforcement
- Bonding
- Profile Wrapping
- Cable Filling

Order the PCF Metering System with the configuration!



Technical Data	
Min. Flow Rates	25 cc/min with high-resolution hfm $\frac{1}{16}$ 50 cc/min with heated hfm $\frac{1}{16}$
Max. Flow Rates	7500 cc/min
Viscosity Range of Fluids:	10000 to 1000000 cps
Minimum Dispensed Shot Size:	3 cc with high-resolution hfm $\frac{1}{16}$ 6 cc with heated hfm $\frac{1}{16}$
Operating Temperature Range	
control center:	40°F (4°C) - 120°F (49°C)
heated fluid plate:	40°F (4°C) - 400°F (204°C)
ambient fluid plate:	40°F (4°C) - 120°F (49°C)

Not for use in explosive atmospheres

hfm $\frac{1}{16}$ = Helical flow Meter

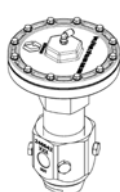
PF	X	X		X	x	
First and Second Digits	Third Digit	Fourth Digit		Fifth Digit	Sixth Digit	
	Style/Size	Fluid Plate		User Interface	Voltage	
	Description	Regulator	Meter	Description	Description	
	1 2 Style	1 *Cartridge	None	0 *Discrete	0	100-240Vac
Precision Continuous Flow	2 16 Style	2 *Mastic	None	1 DeviceNet™	1	24 Vdc
	3 256 Style	3 *Cartridge	HighResolution	2 EtherNet/IP™	2	100-240Vac with integrated swirl
		4 *Mastic	HighResolution	3 PROFIBUS™	3	24 Vdc with integrated swirl
		5 Heated Mastic	Heated Standard Resolution	4 PROFINET™		
		6 Heated Mastic	None			
		7 *Cartridge	Ultra High Resolution			

*Discrete Gateway systems do not include automation interface cables.

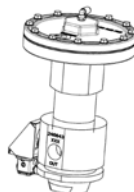
Part No.	Third Digit / Style size	Manual
24B948	Upgrade token 2 Style	313377
24B949	Upgrade token 16 Style	
24B950	Upgrade token 256 Style	
Part No.	Fourth Digit / Fluid Plate	Manual
244734	Cartridge Regulator with transducer port	308647
246642	Cartridge Regulator Mastic, ¾" air operated, for ambient fluid plates with transducer ports	307517
246643	Cartridge Regulator Mastic heated, ¾" air operated, for ambient fluid plates with transducer ports	
246650	Flow Meter, high resolution without sensor	309834
246652	Flow Meter, high resolution with sensor	
16E993	Flow Meter helical High resolution (33 pulse / cc)	
246191	Flow Meter, heated Helical without sensor	309834
246340	Flow Meter, heated Helical with sensor	
24B924	Sensor, helical flowmeter, all models	



244734
18/12/12



246642



246643



246652
246191
246340



16E993



PCF Metering System

Accessories:						
Part No.	Description					Manual
255468	Light Tower					313377
24B946	Token and TAG, Meter enabled		24B947	Token and TAG, Meter disabled		
24B948	Token and TAG, 2 Style	24B949	Token and TAG, 16 Style	24B950	Token and TAG, 256 Style	
115216	Fuse 1A					
117764	Pressure sensor (outlet for heated regulators)					
289696	Fluid control module					
123783	Breakout board, discrete gateway					
123792	Cable, discrete gateway, 78 pin D-Sub, 15 m (50 ft) - use with 123783					
123793	Cable, discrete gateway, 78 pin D-Sub to flying leads, 15 m (50 ft)					
24B681	Discrete Gateway Module					
24B928	Line voltage module					
24B929	24V DC module kit					
289701	Advanced Display Module with USB					
15V759	Communications Gateway, DeviceNet					
15V760	Communications Gateway, EtherNet/IP					
15V761	Communications Gateway, PROFIBUS					
15V762	Communications Gateway, PROFINET					
Cable, standard flex operation,						
121201	6 m (20 ft)		121228	15 m (50 ft)	123341	40 m (130 ft)
Cable, high flex operation,						
123342	6 m (20 ft)		123343	15 m (50 ft)	123344	40 m (130 ft)
24B958	2 styles	Fluid plate, ambient cartridge regulator, High resolution flow meter				313377 3A2098
24B959		Fluid plate, ambient cartridge regulator, No flow meter				
24B960		Fluid plate, ambient mastic regulator, High resolution flow meter				
24B961		Fluid plate, ambient mastic regulator, No flow meter				
24B962		Fluid plate, heated mastic regulator, standard resolution heated flow meter				
24C901		Fluid plate, heated mastic regulator, No flow meter				
24J873	16 styles	Fluid plate, ambient cartridge regulator, Ultra-high resolution flow meter				
24K801		Fluid plate, ambient cartridge regulator, High resolution flow meter				
24K802		Fluid plate, ambient cartridge regulator, No flow meter				
24K803		Fluid plate, ambient mastic regulator, High resolution flow meter				
24K804		Fluid plate, ambient mastic regulator, no flow meter				
24K805		Fluid plate, heated mastic regulator, standard resolution heated flow meter				
24K806	256 styles	Fluid plate, heated mastic regulator, No flow meter				
24K807		Fluid plate, ambient cartridge regulator, Ultra-High resolution flow meter				
24K808		Fluid plate, ambient cartridge regulator, high resolution flow meter				
24K809		Fluid plate, ambient cartridge regulator,				
24K810		Fluid plate, ambient mastic regulator, high resolution flow meter				
24K811		Fluid plate, ambient mastic regulator, no flow meter				
24K812		Fluid plate, heated mastic regulator, standard resolution flow meter				
24K813		Fluid plate, heated mastic regulator, no flow meter				
24K814	Fluid plate, ambient cartridge regulator, Ultra-High resolution flow meter					
244961	EnDure Valve with 120 volt electric heat (93.3°C /200°F)					
244962	EnDure Valve with 230 volt electric heat (93.3°C /200°F)					
243482	1K Ultra-Lite valve, 45° outlet for orbiter					
243666	1K Ultra-Lite valve					
244535	EnDure Valve replacement, no manifold					
244910	EnDure Valve with ambient or temperature conditioning manifold					
288554	AutoPlus valve					
918533	Dispense valve, extrusion, ambient, ball seat					
918535	Dispense valve, extrusion, ambient, snuff back					
918537	Dispense valve, high viscosity					
918539	Dispense valve, extrusion, high flow, high viscosity					
918623	Compact dispense valve, extrusion					
918625	Compact dispense valve, spray					
965766	1K Ultra-Lite valve, machine mount, SST wetted parts					
965786	1K Ultra-Lite valve, machine mount, Aluminum wetted parts					
234029	Orbital Applicator Module (narrow pattern) Swirl orbiter (243402), motor cable (617870), extension motor cable (233123), control panel (918616) and Robot Interface Cable Assembly (617829)					300537
241658	Orbital Applicator Module Kit (wide pattern) Swirl orbiter (243403), motor cable (617870), extension motor cable (233123), control panel (918616) and Robot Interface Cable Assembly (617829)					

For more accessories please look in 340305

SMARTWARE

Manual: 3A0294

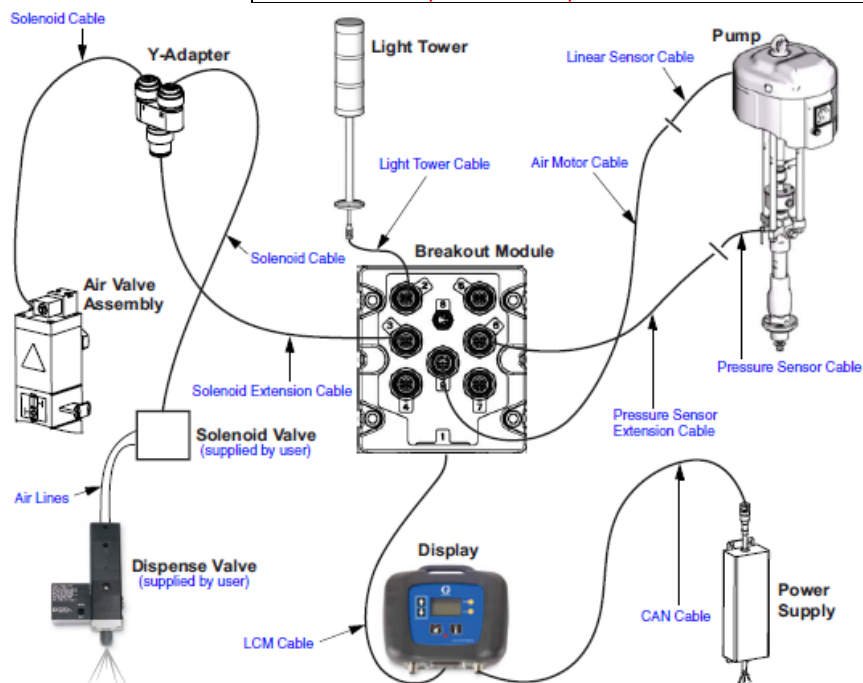
Leaflet: 340648

Accurate metered dispensing System for one component materials. These kits are compatible with Check-Mate and Dura-Flo pumps. Can be install on the S20, S20c, D60, D200 and D200s supply systems.

Air motor must be compatible

- Small NXT air motors must be high level smart capable or **series B** or later
- Large NXT air motor must be high level smart capable or **series J** or later

Technical Data	
Shot size	6 cc to 3.785 L
Power requirements	110 or 220 VAC
Accuracy	0.25 to 4%
Operating Temperature Range	
control center:	40°F (4°C) - 120°F (49°C)
heated fluid plate:	40°F (4°C) - 400°F (204°C)
ambient fluid plate:	40°F (4°C) - 120°F (49°C)
Not for use in explosive atmospheres	



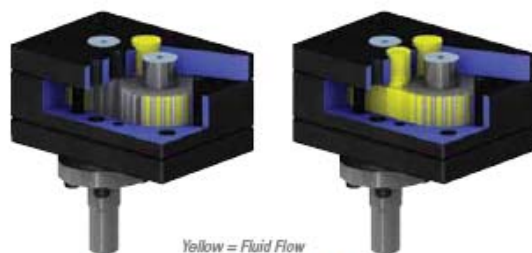
Kits:		
p/n	Description	Manual
262370	SmartWare shot dispense kit for D200 and D60 with NXT 2200 and bigger	3A0294
262371	SmartWare shot dispense kit for D200 and NXT 1800 and smaller air motors	3A0294
262372	SmartWare shot dispense kit for D200S with NXT 2200 and larger air motors	3A0294
262373	SmartWare shot dispense kit for S20 with NXT 2200 and larger air motors	3A0294
262374	SmartWare shot dispense kit for S20 with NXT 1800 and smaller air motors	3A0294
262375	SmartWare shot dispense kit for wall mount & floor stand pump with NXT 2200 and larger air motors	3A0294

Accessories:		
p/n	Description	Manual
262453	Changeover kit for NTX 2200 or larger air motor	3A1162
262464	Changeover kit for NXT 1800 or smaller air motor	3A1162
262530	Footswitch	3A1161
16G294	Token software upgrade	

PGM

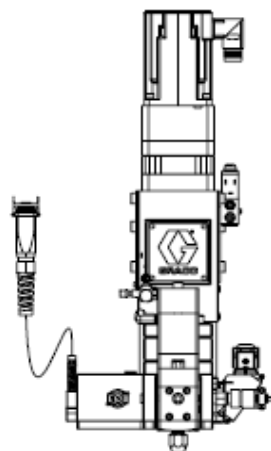
Manual 3A0260
Brochure 340528

For metering and dispensing ambient or high-temperature, high viscosity single component materials



Yellow = Fluid Flow

Gear metering technology



Technical data

Flow rate	Max(6cc/rev pump) = 480 cc/min Max (20 cc/rev pump) = 1600 cc/min
Max fluid working inlet pressure	103 bar (1500 psi)
Max fluid working outlet pressure	172 bar (2500 psi)
Air supply pressure range	4,2 – 7 bar (60 – 100 psi) filtration required
Fluid viscosity range	1000 – 1000000 cps
Wetted parts	SST, Tool Steel, Aluminium, Chrome, Carbide, Acetal, plastic, PTFE, Chemical resistant O-rings
Power requirements	Full load 18,5 A, fuse rating 21 A
Power supply voltage	240 VAC, 50-60 Hz, 1 ph
Operating temperature	Heated pump 4 to 204°C Ambient pump 4 to 49°C
weight	6 cc/rev pump 13.61 kg 20 cc/rev pump 27,22 kg
dimensions	6 cc/rev pump : 50.17 x 23.83 x 16.76 cm 20 cc/rev pump : 55.25 x 24.13 x 22.6 cm

Models

PG	Size		Heat		Control		Valve	
Precision Gear Meter	0	6 cc	1	Unheated	0	No control	1	Endure Snuff-Back
	2	20 cc	2	heated	1	Control/ 3 m	6	Remote mount
					2	Control/ 6 m		
					3	Control/ 9 m		

Hoses						
*Indicates PTFE hose, all others Buna-N						
Hot Melt				Ambient		
	- 8 3/4"-16 JIC	- 10 7/8"-14 JIC	- 12 1-1/16"-12 JIC	- 16 1-5/16"-12 JIC	3/8"	1/2"
Hose Length	6 ft	None	115875	None	115884	109163 626723
	10 ft	115873	115876	115880	115885	None 215441
	15 ft	None	None	None	None	None 511381*
Fittings						
† Indicates Swivel						
PGM Inlet (-16 SAE)	None	None	124238 124235 (90°)	124239 124243† 124236 (90°)	None	None
PGM Outlet (3/4" npt)	124286	C20595	15M863	107127	124290†	124289†
Dispense Valve Inlet	124287	C20768	107052	124288	158256†	190451†

Dispense valve

244907	Endure valve
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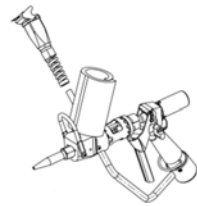
Accessories

24D824	Automation Interface Cable Assembly
24E654	Endure Valve Nozzles 10 x 1.5 mm
24E655	Endure Valve Nozzles 1/8" bead
24E678	Heater nest with blank insert, no hole (hole size has to be drilled as you wishes, max 0.65")
24E679	Heater nest with ported insert hole 0.65"
24E575	Dynamic air regulator kit for TOF to limit the static fluid pressure to the PGM
24E677	O-ring kit, 6 cc
24E626	O-ring kit, 20 cc
16E242	Nozzle heater insert (used in 24E678)
16E256	Ported Nozzle heater insert (used in 24E679)
24E607	Gear pump seals, 6cc
24E619	Gear pump seals, 20 cc
24E826	Gear shaft repair kit, 6 cc
24E824	Gear shaft repair kit, 20 cc
24E827	Seal shaft repair kit, 6 cc
24E825	Seal shaft repair kit, 20 cc
124267	Pump seal housing, 6 cc
124266	Pump seal housing , 20 cc
124235	Elbow fitting, 90°, 3/4" tube x 16 SAE
124236	Elbow fitting, 90°, 1" tube x 16 SAE
124237	Elbow fitting, 90°, 16 sae x 20 JIC

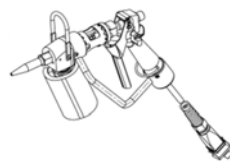
Chapter 8

guns & accessories

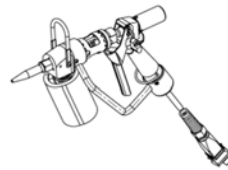
HOT MELT GUNS



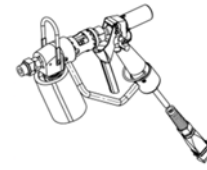
249513



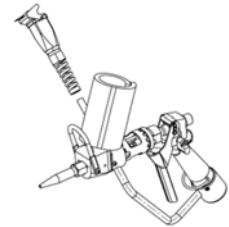
249514



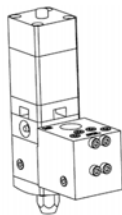
249512



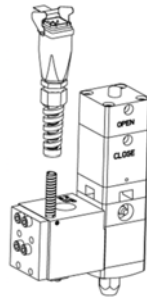
297274



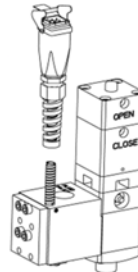
249515
297273



244962



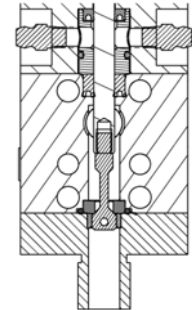
244909



244951



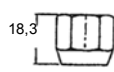
244535
244907
244937



Valve cross section



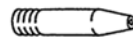
C32089



617585



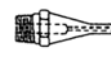
C01025



161505
C32003
C08088
607665



C17009



C17008



270 xxx

197 842 flange



198 324
Adapter
3/8" NPT(M)

3/8" NPT(f)

198323 U Mutter
11/8"-12 UNF-2B

Montage
EnDure an Swirl

Part No.	Description	Manual
249514	Hot-Melt Gun, top connection without limit switch	311209
249512	Hot-Melt Gun, bottom connection with limit switch	
249513	Hot-Melt Gun, top connection with limit switch	
249515	Hot-Melt Gun, top connection without limit switch	
297273	Hot-Melt Gun, top connection with limit switch	
297274	Hot-Melt Gun, bottom connection with limit switch	
C34005	Hot-Melt Gun, bottom connection without limit switch,	309962
C34007	Hot-Melt Gun, bottom connection with limit switch,	
244910	EnDure automatic Gun without heating, warm water circulation possible, opening/closing pneumatically, ½"NPT(f) inlet, 1/8" NPT(f) in nozzle adapter, without adapter 5/8"-18UNF-2A outlet, 241 bar max fluid working pressure, max 95°C, basic unit 244535	309376
244962	EnDure automatic gun 230 V, 200 watt with 8 pole plug (square), opening / closing pneumatically , ½"NPT(f) inlet, 1/8" NPT(f) in nozzle adapter, without adapter 5/8"-18UNF-2A outlet, 241 bar max Fluid working pressure, max 95°C, basic unit 244535	
244961	Same as 244962 but 120 Volt, 150 watt with 6 pole plug (round)	
244909	EnDure automatic gun 230 V, 200 watt with 8 pole plug (square), opening / closing pneumatically , ½"NPT(f) inlet, 1/8" NPT(f) in nozzle adapter, without adapter 5/8"-18UNF-2A outlet, 241 bar max Fluid working Pressure, max 95°C- 204°C, basic unit 244937	309376
244908	Same 244909 but 120 Volt, 150 Watt with 6 pole plug (round)	
244951	EnDure automatic gun 230 V, 200 watt with 8 pole plug (square), opening/closing pneumatically , ½"NPT(f) inlet, ½ " NPT(f) outlet, 241 bar max fluid working pressure, max 95°C- 204°C, basic unit 244937	309376
245184	Same 244951 but 120 Volt, 150 watt with 6 pole plug (round)	
Accessories:		
C32089	Nozzle adapter 5/8"-18 UNF-2A x 1/8" NPT(f) outlet for extrusion nozzle	
617585	Nozzle union nut 5/8"-18 UNF-2A for stream-spray nozzles (270025 to 270065)	

DISPENSING VALVES & ACCESSORIES

Auto disp. valve



205435
205612
207440

Snuffer Gun



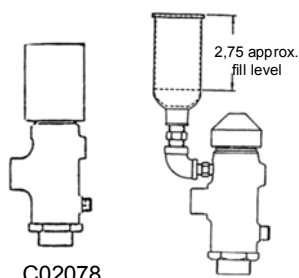
904227

Meter Valve



C02026

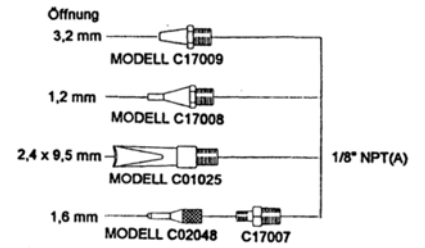
Metering Valve



C02078

C02078

Auslaßdüsen für C02-xxx Modelle



**Disp. Valve
Diaphragm**



692022

Micro Metering Valve



692125
692250
692500

Tip, fluid

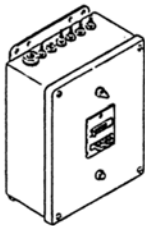


164799



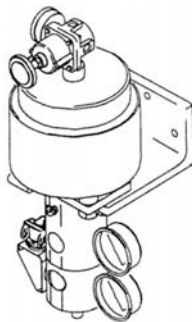
161505

Pneu. Control Box



212093

Compensator



243206
243654
243655
243656
243657
243658



918533
918535

Dispense Valve

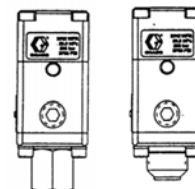


918537

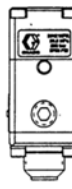


918539

**Compact
Applicator**



918623



918625

DISPENSING VALVES & ACCESSORIES

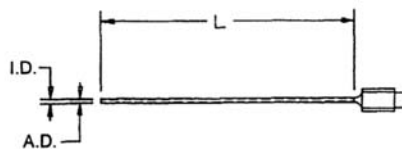
Part No.	Description	Manual
205435	Auto dispensing valve (tip Ø 3.18)	306715
205612	Dispensing valve, basic model without needle and seat (needle and seat – order separately) Combination possibilities tip/needle 1.58 tip 164746, needle 181525 3.18 tip 164747, needle 181525 4.75 tip 164748, needle 181526 6.35 tip 164749, needle 181526 7.93 tip 164750, needle 181526	306715 306715
207440	Dispensing valve with hard metal needle and seat, orifice 4.57 mm	306715
208424	Dispensing valve, ¾", max 105 bar, outlet Ø orifice 19 mm	307066
904227	Automatic gun, snuffer principle, 105 bar, control via 4-way air valve	306715
C02021	Automatic dispensing valve (snuffer principle) with 7/8 -18 external fluid inlet thread, fluid outlet ½" NPT (I), fastening 7/16 -20 UNF. Maximum working pressure 220 bar; 0.2 cc to 4 cc per charge output with a fluid viscosity from 3000 up to over 1 million centipoises	310543
C02022	Same as C02021, but fluid inlet ¼" NPT(f), outlet ⅛" NPT(f)	310543
C02025	Same as C02021, but fluid inlet and outlet ¼" NPT(f)	
C02027	Same as C02021, but with side container for fluids sensitive to moisture	
C02078	Same as C02021, but with double air cylinder, fluid inlet and outlet ¼" NPT(f)	
C02026	Hand dispensing gun (C02022 equipped with hand grip)	
692125	Micro-dispensing valve max. 69 bar, dispensing range 0.025 – 0.201 cc, control via 4-way air valve, inlet ⅜" NPT(f), outlet ¼" NPT(f), dispense tip Ø 1.6 mm, mounting fitting 2x ¼"-20 Max. air input pressure max. 8 bar , max. working pressure 68bar	
692250	Micro-dispensing valve max. 69 bar, dispensing range 0.100 – 0.804 cc, control via 4-way air valve, inlet ⅜" NPT(f), outlet ¼" NPT(f), dispense tip Ø 1.6 mm, mounting fitting 2x ¼"-20 Max. air input pressure max. 8 bar , max. working pressure 68bar	
692500	Micro-dispensing valve max. 69 bar, dispensing range 0.400 – 3.21 cc, control via 4-way air valve, inlet ⅜" NPT(f), outlet ¼" NPT(f), dispense tip Ø 1.6 mm, mounting fitting 2x ¼"-20 Max. air input pressure max. 8 bar , max. working pressure 68bar	
692022	DDV membrane dispensing valve for fluids sensitive to moisture max 70 bar, control via 4-way air valve, inlet and outlet ¼" NPT(f). Air inlet min. 4 bar max. 8 bar outlet tip orifice 1.6 mm. Fluid sections parts stainless steel , PTFE	
161505	Outlet tip, ⅛" NPT(m), 50.8 mm long, Ø 2.28 mm	
164799	Outlet tip, ⅛" NPT(m), 54 mm long, Ø 1.39 mm	
C27148	Automatic valve, (tip seal type), outlet 2.4 mm, 68 bar Air orifice, spring closing, ¼" fluid inlet	
918623	Automatic valve, ¼" NPT (f) inlet and outlet, 255 bar	310557
918625	Automatic valve, ¼" NPT (f) inlet, outlet ⅞"-14 UNF for fitting a tip reversing switch	310557
918533	Automatic valve, ¼" NPT (f) inlet and outlet 276 bar	310549
918535	Automatic valve, ¼" NPT (f) inlet and outlet snuffer principle, 276 bar	310549
918537	Automatic valve, ½" NPT(f) inlet and outlet, Ø orifice 9.3 mm, 345 bar	310550
918539	Automatic valve, ¾" NPT(f) inlet, outlet ¾" NPT(m), orifice 15.7 mm, 345 bar	310551
243655	Pressure compensating valve 23:1, maximum working pressure 172 bar	309133
243656	Pressure compensating valve 23:1, 240 Volt max. 240°C, max. working pressure 172 bar	325009
243654	Pressure compensating valve 51:1, maximum working pressure 241 bar	
243657	Pressure compensating valve 51:1, 240 Volt, max. 204°C, max. working pressure 241 bar	
243658	Pressure compensating valve 23:1, 120 Volt max. 204°C, max. working pressure 172 bar	
243206	Pressure compensating valve 23:1, 120 Volt max. 204°C, max. working pressure 241 bar	
212093	Adjust-A-Stroke, pneumatic control unit	307270
210302	Bulldog Adjust-A-Stroke Motor	307050
210516	Adjust-A-Stroke (Monark Sanitary stroke changer)	307205
210514	Adjust-A-Stroke (Monark stroke changer)	
210515	Adjust-A-Stroke (President stroke changer)	

DISPENSE NEEDLES

Stainless steel needle

with clamp connection

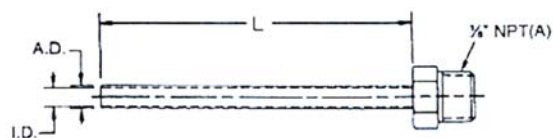
Part No.	I.D. mm	A.D. mm	Length mm
112009	0.25	0.46	50.8
112010	0.30	0.56	50.8
112012	0.41	0.71	50.8
112013	0.51	0.81	50.8
112014	0.58	0.91	50.8
112015	0.69	1.09	50.8
112016	0.84	1.27	50.8
112017	1.04	1.50	50.8
112018	1.19	1.65	50.8
112019	1.37	1.85	50.8
112020	1.6	2.11	50.8
112021	1.8	2.41	50.8
112022	2.16	2.77	50.8
112023	2.39	3.05	50.8
112024	2.69	3.4	50.8
112025	3.43	4.19	50.8



Stainless steel needle 1.4301

With chrome-plated brass connection
1/8" NPT(m)

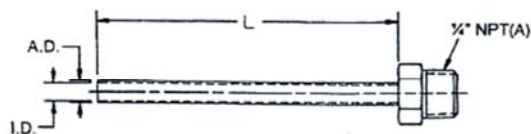
Part No.	I.D. mm	A.D. mm	Length mm
112000	1.19	1.65	63.5
112001	1.60	2.11	63.5
112002	1.80	2.41	63.5
112003	2.16	2.77	63.5
112004	2.39	3.05	63.5
112005	2.69	3.40	63.5
112006	3.43	4.19	63.5
112007	3.81	4.57	63.5



Stainless steel needle 1.4301

With chrome-plated brass
connection 1/4" NPT(m)

Part No.	I.D. mm	A.D. mm	Length mm
690406	1.19	1.65	63.5
690405	1.60	2.11	63.5
690403	2.16	2.77	63.5
690399	3.81	4.57	63.5



109599 Needle adapter 1/8" NPT(m)

Brass chrome-plated

690270 Needle adapter 1/4" NPT(m)

Brass chrome-plated

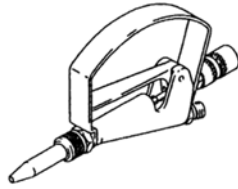
Note:

[illegible]

EXTRUSION GUNS



240199



204355



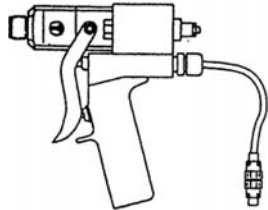
235627
237607, 237649
235628, 243775



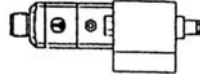
207945



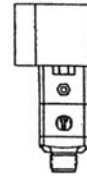
965767



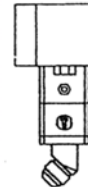
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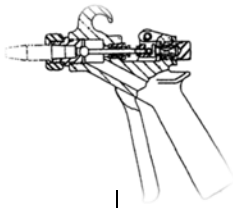
965786
965766



243666



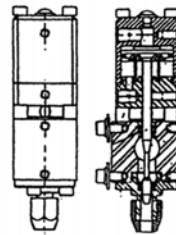
243482



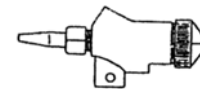
1/2" NPS(M)
inlet



C27020



918512



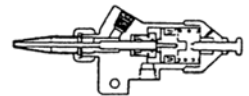
C27 xxx
Automatic valve

basic model (without tip)



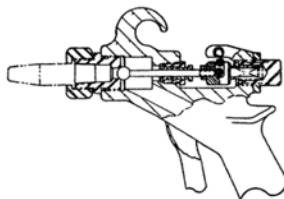
C27151

Tip-Seal automatic valve (with nozzle)



C27148

Snuffer automatic valve (includes tip)



C27031

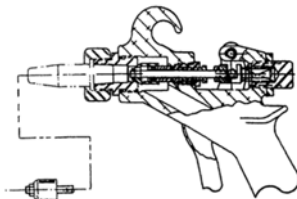
2-stage
trigger



Models 12004 and 12005



C27067

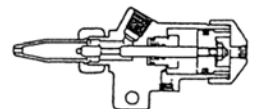


C27078

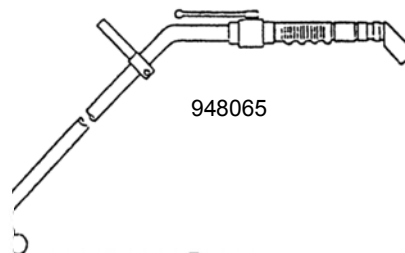
Balanced piston
(light trigger)



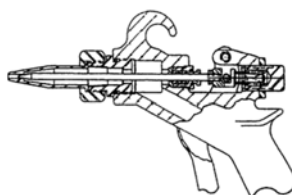
Hand gun with balanced
piston for light trigger



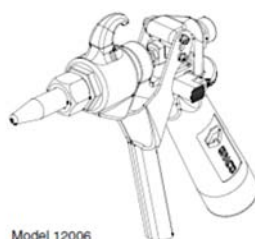
C27130
C27132
C27134



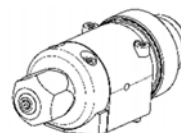
948065



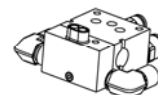
Tip-Seal®



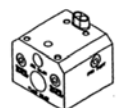
Model 12006



288554



241161
241162

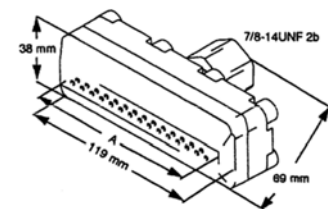
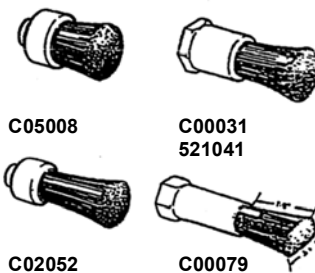
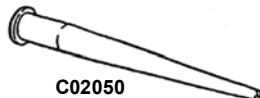
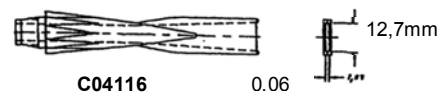
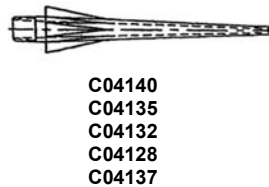
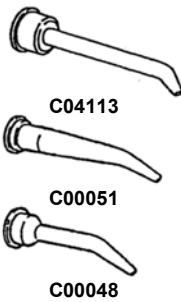
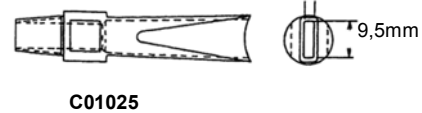
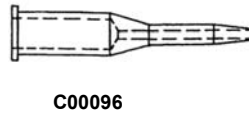
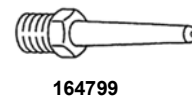
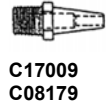
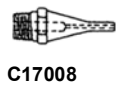


244930

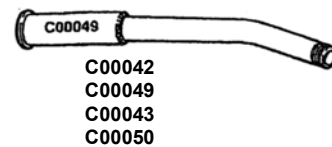
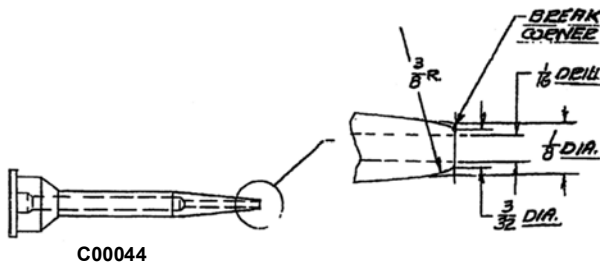
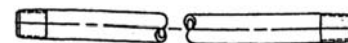
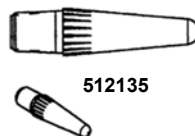
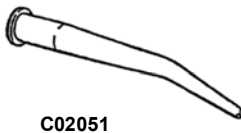
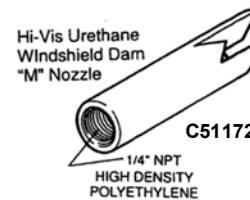
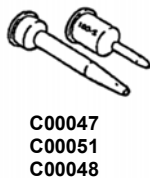
EXTRUSION GUNS

Part No.	Description		manual
204355	Extrusion-Flo-Gun, 210 bar	Extrusion	306586
240199	Ultra Lite In-line, 234 bar with carbide seat, valve needle ball, inlet 1/4" NPT(F)	Extrusion	308807
235627	Extrusions gun Ultra Lite 4000, valve needle cone, 1/4" inlet and outlet 3/4"-16UNF-2B, outlet Ø 5,15 mm	Extrusion	308253
237607	Extrusions gun Ultra Lite 4000, valve needle cone Wolfram carbide, 1/4" inlet		
237649	Ultra Lite 4000, valve needle, cone Wolfram carbide, 1/4"(M), inlet 37° swivel		
235628	Ultra Lite 6000, valve needle ball, 1/2" inlet, 1/4" outlet NPT(M), Ø4,77 mm		
243775	Ultra Lite 6000, valve needle cone, 1/2" inlet, 1/4" outlet NPT(M),		
207945	Gun, valve needle ball, 1/2" inlet, outlet 1/8" and 1/4" outlet Ø6,35 mm	Extrusion	307004
C27020 12004	Extrusions gun, valve needle ball, max 172 bar, Ø 7,5 mm, inlet 1/2" outlet 1/4" NPT(M) resp. flange	Extrusion	309739
C27031 12004X	Extrusions gun, 2-step trigger, needle ball, max 172 bar, Ø 7,5 mm, inlet 1/2" NPT(M), outlet 1/4" NPT(M) resp. Flange		
C27067 12005	Extrusions gun, balance piston, max 172 bar, Ø 10,7 mm, inlet 1/2", outlet 1/4" NPT(M) resp. flange		
C27078 12006	Extrusions gun, Tip-Seal ®, max 138 bar, inlet 1/2" NPT(M), outlet Ø 2,39 mm		
948065	Extrusionlanze, 3/4" Inlet	Extrusion	307905
238338	Automatic Gun, pressure bead Gun with needle kit Ø 5,16; 5,9; 7,14 and 8,48		308612 308612
965768	Ultra Lite 1 K Hand Gun, Aluminium with electric switch, 276 bar Snuffer	Extrusion	308876
965767	Ultra Lite 1 K Hand Gun, Aluminium, 276 bar Snuffer		
965786	Ultra Lite 1K Automatic, Aluminium, 276 bar Snuffer		
965766	Ultra Lite 1K Automatic, SST, 276 Bar Snuffer		
243482	Ultra Lite 1K Automatic, SST, Precision Swirl oribitor, outlet 45°		
243666	Ultra Lite 1K Automatic, SST, PrecisionFlo, outlet straight, 1/4" NPT(M) o 3/4"-16		
288554	AL-Automatic for Sealer, Sealer-Nozzle 182 xxx, 270 xxx, C08 xxx		311053
241161	Manifold, with 1/4" NPS (M) inlet		
241162	Manifold, with JIC Nr.#5 inlet		
244930	Manifold, with 1/8" NPT (M) connection for warm water		
C27151	Automatic valve, air opened, spring closed, 165bar EP O-ring, without tip, 1/4" fluid inlet		310547
C27130	Automatic valve, (snuffer type), outlet 6,35 mm, 165bar, Air opened/closed, EP O-ring, 1/4" fluid inlet		
C27134	Automatic valve, (snuffer type), outlet 6,35 mm, 165bar Air opened/closed, Viton O-ring, 1/4" fluid inlet		
C27132	Automatic valve, (snuffer type), outlet 3 mm, 165bar spring closed, Viton O-ring, 1/4" fluid inlet		
C27148	Automatic valve Tip-Seal ®, air opened, spring closed EPR O-Ring, EPDM O-Ring and PTFE- seals, 1/4" fluid inlet, outlet Ø 4,75 mm		
918512	Automatic valve, snuffer type, pneumatic opened /closed, 1/8" NPT(F) outlet		310538

GUN ACCESSORIES – FLUID NOZZLES – BRUSHES



Applicator, 1.4401 SST with hard metal - Nozzle inlays model 234513 to 234524



GUN ACCESSORIES – FLUID NOZZLES – BRUSHES

Part No.	Description	Manual
C17008	Nozzle, 38mm long, 1/8"NPT(M), orifice 1,2mm	
C17009	Nozzle, 31mm long, 1/8"NPT(M), orifice 3,2mm	
C08179	Nozzle, 43,9mm long, 1/4"NPT(M), orifice 4,0mm	
161505	Nozzle, 50,8mm long, 1/8"NPT(M), orifice 2,4mm	
607665	Nozzle, 50,8mm long, 1/8"NPT(M), orifice 3,2mm	
C32003	Nozzle, 76mm long, 1/4"NPT(M), orifice 3,2mm	
C08088	Nozzle, 58,4mm long, 1/4"NPT(M), orifice 4,0mm	
164799	Nozzle, 54mm long, 1/8"NPT(M), orifice 1,4mm	
C00xxx	Nozzle, 50,8mm long, for connection to extrusion gun, Ultra-Lite Ø 0,8mm C00014, Ø 1,2mm C00013, Ø 1,6mm C00010, Ø 2,4mm C00007, Ø 3,2mm C00006 Ø 4,0mm C00012, Ø 4,4mm C00009, Ø 4,8mm C00005, Ø 6,3mm C00008, Ø 9,5mm C00011	
C00051	Outlet tip, 87,3mm long, 30° bend, orifice Ø 3,2	Note: Outlet tip with flange or 1/4" NPT(M) thread fit to Ultra Lite Guns
C00048	Outlet tip, 61,0mm long, 30° bend, orifice Ø 0,8	
C00044	Outlet tip, 63,5mm long, orifice Ø 1,6mm	
C00046	Outlet tip, 63,5mm long, orifice Ø 2,4mm	
C00047	Outlet tip, 63,5mm long, orifice Ø 3,2mm	
C00080	Outlet tip, 89,0mm long, Orifice Ø 1,52mm	
C02050	Outlet tip, 140mm long, Orifice 1,6mm	
C02051	Outlet tip, 140mm long, 15° bend, orifice Ø 1,6mm	
C04113	Outlet tip, 89,0mm long, 30° bend, orifice Ø 1,6mm	
C00044	Outlet tip, 63,5mm long, Orifice Ø3,2mm Special	
C00096	Outlet tip, 78 mm long, orifice Ø3,2mm	
C01025	Outlet tip, 62mm long, 1/8"NPT(M) orifice 2,4 x 9,5mm	
C04140	Outlet tip, plastic, 1/4" NPT(M), 66mm long, orifice 1,6mm	
C04135	Outlet tip, plastic, 1/4" NPT(M), 102mm long, orifice 0,8mm	
C04132	Outlet tip, plastic, 1/4" NPT(M), 102mm long, orifice 1,6mm	
C04128	Outlet tip, plastic, 1/4" NPT(M), 102mm long, orifice 3,2mm	
C04137	Outlet tip, plastic, 1/4" NPT(M), 66mm long, orifice 3,2mm	
C04116	Outlet tip, plastic, 1/4" NPT(M), 102mm long, orifice 1,5 x 12,7mm wide	
512135	Outlet tip, plastic, 1/4" NPT(M), 63,5mm long, orifice 1,6mm	
C51172	Outlet tip, Polyethylene, 1/4" NPT(F), 76,2mm long for high viscosity Urethane	
C00028	Brush, 3/8"-24 UNF-2B(F), horse hair 22mm long, 16mm wide, total length 38 mm	
C00029	Brush, 3/8"-24 UNF-2B(F), horse hair 22mm long, 16mm wide, total length 45 mm	
C05009	Brush, 3/8"-24 UNF-2B(F), horse hair 22mm long, 19mm wide, total length 45 mm	
C02052	Brush, 3/8"-24 UNF-2B(F), horse hair 54mm long, 35mm wide, total length 82,5 mm	
C00030	Brush, 3/8"-24 UNF-2B(F), nylon hair 22mm long, 16mm wide, total length 45 mm	
C05008	Brush, 3/8"-24 UNF-2B(F), nylon hair 22mm long, 28,5mm wide, total length 54 mm	
521041	Brush, 1/8" NPT(F) horse hair 22mm long, 16mm wide, total length 45mm	
C00033	Brush, 1/8" NPT(F) horse hair 22mm long, 16mm wide, total length 45mm, without nozzle	
C00031	Brush, 1/8" NPT(F) Nylon hair 22mm long, 16mm wide, total length 45mm	
C00079	Brush, 1/8" NPT(F) SST wire 22mm long, 19mm wide, total length 59mm	
C00042	Outlet tube 1/4" I.D. 30° bend, 102mm long, outlet thread 3/8"-24(M) for brush	
C00049	Outlet tube 1/4" I.D. 30° bend, 148mm long, outlet thread 3/8"-24(M) for brush	
C00043	Outlet tube 1/4" I.D. 30° bend, 152mm long, outlet thread 3/8"-24(M) for brush	
C00050	Outlet tube 1/4" I.D. 30° bend, 254mm long, outlet thread 3/8"-24(M) for brush	
197471	Outlet tube 8,1 mm I.D. straight 153mm long, connection thread 1/8" NPT(M)	
234513	Applicator with 13 holes, orifice Ø 0,64mm, 51mm wide (M), Clean kit 234525	406583
234514	Applicator with 13 holes, orifice Ø 0,74mm, 51mm wide (M), Clean kit 234526	
234515	Applicator with 13 holes, orifice Ø 0,89mm, 51mm wide (M), Clean kit 234527	
234516	Applicator with 13 holes, orifice Ø 1,04mm, 51mm wide (M), Clean kit 234528	
234517	Applicator with 21 holes, orifice Ø 0,64mm, 76mm wide (M), Clean kit 234525	
234518	Applicator with 21 holes, orifice Ø 0,74mm, 76mm wide (M), Clean kit 234526	
234519	Applicator with 21 holes, orifice Ø 0,89mm, 76mm wide (M), Clean kit 234527	
234520	Applicator with 21 holes, orifice Ø 1,04mm, 76mm wide (M), Clean kit 234528	
234521	Applicator with 29 holes, orifice Ø 0,64mm, 102mm wide (M), Clean kit 234525	
234522	Applicator with 29 holes, orifice Ø 0,74mm, 102mm wide (M), Clean kit 234526	
234523	Applicator with 29 holes, orifice Ø 0,89mm, 102mm wide (M), Clean kit 234527	
234524	Applicator with 29 holes, orifice Ø 1,04mm, 102mm wide (M), Clean kit 234528	

ELECTROSTATIC GUNS

(7 bar)



Pro Xs2
244399

(7 Bar)



Pro Xs3

244400
244579
244575
244581
244582
24A511

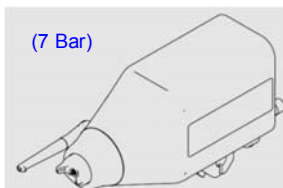
Pro Xs4
244401
244580

(7 Bar)



Pro Auto Xs
244589
244590

(7 Bar)



Pro Xs Auto Waterborne
24A206

(7 Bar)



Pro Xs WB
247936
247937

(207 Bar)



Pro Auto Xs AA
244592

(207 Bar)



Pro Xs4 AA
244572
244573

PRO Xs AA Nozzle (order separately)

Ø mm	spray-width	Fluid flow (l/min)		Nozzle No.
		low-viscosity	high-viscosity	
0,18	50-100	0,1	--	GG3107
	100-150			GG3207
	150-200			GG3307
0,23	50-100	0,2	--	GG3109
	100-150			GG3209
	150-200			GG3309
	200-250			GG3409
0,28	50-100	0,3	--	GG3111
	100-150			GG3211
	150-200			GG3311
	200-250			GG3411
	250-300			GG3511
	300-350			GG3611
0,33	50-100	0,4	--	GG3113
	100-150			GG3213
	150-200			GG3313
	200-250			GG3413
	250-300			GG3513
	300-350			GG3613
0,38	50-100	0,5	--	GG3115
	100-150			GG3215
	150-200			GG3315
	200-250			GG3415
	250-300			GG3515
	300-350			GG3615
	350-400			GG3715
	400-460			GG3815
0,43	100-150	0,7	0,5	GG3217
	150-200			GG3317
	200-250			GG3417
	250-300			GG3517
	300-350			GG3617
	400-460			GG3817
0,48	150-200	0,8	0,6	GG3319
	200-250			GG3419
	250-300			GG3519
	300-350			GG3619
	350-400			GG3719
0,53	200-250	1,0	0,8	GG3421
	250-300			GG3521
	300-350			GG3621
	350-400			GG3721
0,58	200-250	1,2	0,97	GG3423
	250-300			GG3523
	300-350			GG3623
0,63	200-250	1,5	1,2	GG3425
	300-350			GG3625

Viscosity – low < 20 cp
Viscosity – medium < 70 cp
Viscosity – high < 260 cp

ELECTROSTATIC GUNS

Part No.	Description	Manual
244399	PRO Xs2 , Electrostatic hand spray gun with integrated alternator 20 KV , Power Points Design 1,5mm fluid nozzle, air cap 24A376, air inlet ¼" NPS(m), fluid inlet 3/8" NPS(m) Left thread, material resistivity 25 to 150MΩ .cm , air requirement 390-530 L/min	309294 T309291 EC199046
244400	PRO Xs3 , Electrostatic hand spray gun with integrated alternator 60 KV , 1,5 mm fluid nozzle, air cap 24A376, air inlet ¼" NPS (m) Left thread, fluid inlet 3/8" NPS(m) R3/8-15, material resistivity 3 MΩ.cm to ∞ Air requirement 390-530 L/min,	309294 T309292
244579	PRO Xs3 , Same as 244400 but with Smart Display and variable voltage range (dip - switch)	EC199046
24A511	PRO XS3 , Same as 244579 bur with 1,2mm fluid nozzle	
244575	PRO Xs3 , Same as 244400 but for conductive materials (e.g. metallic with low resistance), material resistivity 3 MΩ.cm to ∞	
244576	PRO Xs3 , Same as 244400 but with Smart Display and variable voltage range, for conductive materials (e.g. metallic with low resistance), 3 MΩ.cm to ∞	309293
244581	PRO Xs3 , same as 244400 but for water base materials. Without fluid hose set (246 431 order separately), (for WB100)	
244582	PRO Xs3 , same as 244400 but with Smart Display and variable voltage range (dip - switch), for water base materials, Without fluid hose set (246 431 order separately) , (for WB100)	
244401	PRO Xs4 , Same as 244400 but with integrated alternator 85KV ,	309294
244580	PRO Xs4 , Same as 244400 but with integrated alternator 85KV , with Smart Display and variable voltage range,	T309292 EC199046
247936	ProXs WB Electrostatic hand gun for materials less than 1MΩ – cm, 60kV (7bar)	312900 EC 199046
247937	ProXs WB Same 247936, but Smart display (7bar)	
Rep Kit's Xs2/Xs3/Xs4: (Air 244781), (Fluid 244911), (Bearing Alternator 223688)		
244589	PRO Auto Xs , Electrostatic automatic spray gun with integrated alternator 85KV , Alternator can also be set to 40,50, 60 or 70 KV , 1,5mm fluid nozzle, air cap 197477,	309297
244590	PRO Auto Xs , Same as 244589 but for conductive materials (e.g. metallic with low resistance),	EC199047
244591	PRO Auto Xs , Same as 244589 but for water base materials, (for WB100), Fitting/ hose order separately, see manual 309457 accessories,	309457 EC199048
244572	PRO Xs4 AA Air-assisted Electrostatic hand spray gun with integrated alternator 85 KV , Fluid pressure 207 bar , material resistivity 3 MΩ.cm to ∞ , Mention desired fluid nozzle size when ordering, without swivel, Air requirement (turbine + aircap) 400-500 L/min	309296 T309295 EC199046
244573	PRO Xs4 AA Same as 244572 but with Smart Display and variable voltage range,	
244592	PRO Auto Xs AA Air-assisted Electrostatic automatic spray gun with integrated alternator 85 KV Alternator can also be set to 40,50, 60 or 70 KV, Fluid pressure 207 bar . Mention desired fluid nozzle size when ordering.	309298 EC199047
24A206	PRO Auto Xs Waterborne External Charge Gun, External charge gun includes shroud, two external charging probes, mounting brackets, gun manifold and 24A276 air cap	313227 EC199047
246592	WB 100 system with PRO Xs3, 244581, 7,5m hose set 235070 and 246431	309293 EC199048
246593	WB 100 system with PRO Xs Smart, 244582, 7,5m hose set 235070 and 246431	
246511	WB 100 system without gun and hose set	
245895	Accessory kit agitator	245944 Accessory kit fluid regulator

Note: Air consumption turbine only !!! 200l/min

Note: Material resistivity measured with Graco meter 722886 and probe 722860 (used together).

Isolation Systems WB 100

246592

246593

246511 (without gun and hose)



ProXs3



ELECTROSTATIC GUNS – ACCESSORIES

ProXs Gun Air caps

Pro Aircaps	Pattern width	Coating Type	Product Rates	Color	Manual
24A438	381 – 432	Light to medium viscosity	Up to 0,6 l/min	Grey	309419
24A279	356 – 406	Medium to high viscosity	Up to 0,6 l/min	Grey	
24A376	432 – 483	Light to medium viscosity	Up to 0,6 l/min	Grey	
24A276	432 – 483			Blue	
24A277	432 – 483			Red	
24A278	432 – 483			Green	
24A274	356 – 406	Light to medium viscosity	Up to 0,6 l/min	Grey	
24A439	279 – 330	Medium to high viscosity and high solids	Up to 0,6 l/min	Grey	
24A275	346 – 406	Light to medium viscosity and high solids	Up to 0,75 l/min	Grey	

24A431	With Patter Kit, Distributes air to air cap a width spray pattern	309419
245217	Round Patter Kit 102 – 152 mm	309447
245219	Round Patter Kit 203 – 254 mm	309447
277851	Round Patter Kit "Adjustable"	313223

Fluid Nozzle Pro Xs Gun

Part No.	Description	Fluid Nozzle orifice	Manual
197263	Fluid Nozzle electrostatic Air Spray	0,75 mm	309419
249920	Same like 197263 but glass reinforced acetal construction		
197264	Fluid Nozzle electrostatic Air Spray	1,0 mm	
249921	Same like 197264 but glass reinforced acetal construction		
197265	Fluid Nozzle electrostatic Air Spray	1,2 mm	
249922	Same like 197265 but glass reinforced acetal construction		
197266	Fluid Nozzle electrostatic Air Spray	1,5 mm	
249223	Same like 197266 but glass reinforced acetal construction		
197267	Fluid Nozzle electrostatic Air Spray	1,8 mm	
249224	Same like 197267 but glass reinforced acetal construction		
197268	Fluid Nozzle electrostatic Air Spray	2,0 mm	
249925	Same like 197268 but glass reinforced acetal construction		

Round patter spray kit PRO Xs4 AA and PRO Auto Xs AA

Part No.	Description	Manual
245282	Round patter Spray kit, for Pro Xs4 AA (select the required nozzle table below)	309448
245298	Round patter Spray kit, for Pro Auto Xs4 AA (select the required nozzle table below)	

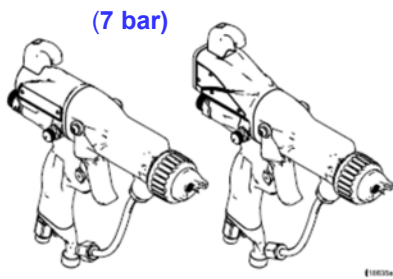
Part No.	Size No.	Spray Width	Flow at 40 bar	Flow at* 80 bar	Manual
236836	4A	229 mm	120 cc/min	170 cc/min	309448 & 309449
236837	6A	254 mm	150 cc/min	220 cc/min	
236838	7A	254 mm	160 cc/min	230 cc/min	
236839	5B	356 mm	230 cc/min	330 cc/min	
236840	7B	330 mm	270 cc/min	420 cc/min	
236841	8B	305 mm	350 cc/min	530 cc/min	
236842	11B	279 mm	480 cc/min	700 cc/min	

ELECTROSTATIC GUNS - ACCESSORIES

Air hoses, conductive 1/4"-18NPSM (F), one end left thread							
Length	Part No.	Description	Part No.	Description	Part No.	Description	
1,8m	244963	Air Flex	223068	Standard	235068	Water based	
4,6m	244964	Air Flex	223069	Standard	235069	Water based	
7,6m	244965	Air Flex	223070	Standard	235070	Water based	
11,0m	244966	Air Flex	223071	Standard	235071	Water based	
15,0m	244967	Air Flex	223072	Standard	235072	Water based	
23,0m	244968	Air Flex	223073	Standard	235073	Water based	
30,5m	244969	Air Flex	223074	Standard	235074	Water based	
Air Flex: EPDM tube and cover material for high flexibility, grey (061413) Standard: tube material inner mod. polyamide, cover polyurethane, grey (061268) Water based: tube material Polyurethane, inlet SST wire mesh, cover Polyurethane, red (061290)							
185493	Nipple to connect two electrostatic air hose 1/4" left- x 1/4" right thread (electro less nickel)						
098030	Nipple to connect two electrostatic air hose 1/4" left- x 1/4" right thread						
Part No.	Description	Manual					
236130	Whip end air hose 0,9m, 4,5mm I.D., 7bar, only PRO AA4500 und Xs AA, (1/4-18NPSM) one end left thread						
236131	Whip end air hose 1,8m, 4,5mm I.D., 7bar, only PRO AA4500 und Xs AA, (1/4-18NPSM) one end left thread						
215637	Fluid hose, Nylon, 8,0m, 6,35mm I.D., 3/8" NPSM(F), max 16bar						
215638	Fluid hose, Nylon, 15,0m, 6,35mm I.D., 3/8" NPSM(F), max 16bar						
240793	Nylon hose, 7,5m, 1/4", 1/4" NPS (F), 227bar						
240794	Nylon hose, 15,0m, 1/4", 1/4" NPS(F), 227bar						
236134	Whip end hose, Nylon-Static-Free, 0,9m, 3,2mm I.D., 1/4" NPS (Male & Female), 207bar						
236135	Whip end hose, Nylon-Static-Free, 1,8m, 3,2mm I.D., 1/4" NPS (Male & Female), 207bar						
244914	Cover for PRO Xs2, contains 10 pieces	309291					
244915	Cover for PRO Xs3, PRO Xs4 and PRO Xs4 AA, contains 10 pieces	309294					
239945	Cover, PRO Auto Xs und PRO Auto Xs AA, contains 10 pieces (one pieces part No. 189888)	309298					
244555	Turbine alternator kit for Xs	309292					
223688	Turbine alternator bearing kit, contains bearing frond and rear and propeller	308034					
722886	Ohm meter (Mega ohmmeter Scale 0-50MΩ) (incl. Battery 30V Part No.725369)	307263					
722860	Probe – to use with 722886 – order separately						
236003	High voltage-test probe and KV Meter (90KV DC)	308217					
241079	Mega ohmmeter 500Volt DC, range 0,1 – 999MΩ						
245277	Test Equipment kit, contains 236003, 245278, Pro XS and Alternator mounting	309455					
112534	Air line female coupler 1/4" left thread, 112536 coupling only, 112535 nipple only						
244834	Swivel max 7 bar (Air) 1/4" left thread,						
189191	Air inlet nipple, 100 mm long 1/4" left thread,						
189018	Swivel, 400 bar, 1/4"NPS(m) x 1/4"NPS(f), 46,7 mm long, PRO Xs AA and Auto						
244916	4 finger trigger conversion kit for PRO Xs3 and PRO Xs4						
244919	PRO Xs3 conversion kit, for PRO Xs3 for handle conductive material (e.g. metallic)	309359					
246431	Fluid hose set, for water base material (PRO Xs3) 244582 (manual 309293)	309453					
245327	Fluid hose set, for water base material (PRO Auto Xs) 244591 (manual 309457)						
537107	Fluid hose 1/4" ins. Ø, PTFE, outer diameter 11,6mm, Polyurethane black, max 7bar, (300m bulk)						
105749	Cleaning brush, metal with 9 mm long brushes (white),						
117823	Glove, small (A=105 mm) 12 pack						
117824	Glove, medium (A=120 mm) 12 pack (standard)						
117825	Glove, large (A=128 mm) 12 pack						
245263	Handgrip, medium size	309401					
245264	Handgrip, big version (for large hands)						
244912	Air valve, for quick adjustment of spray pattern, 2 positions (press in , pull out)	309360					
244913	Conversion kit for ES-ON/OFF valve, sets to on permanently,	309358					
198405	Mounting for PRO Xs3 and Xs4 in existing Gun Flush Box						
198787	Mounting for PRO Xs2 in existing Gun Flush Box	309227					
245270	Mounting kit for PRO Xs air gun in Gun Flush Box	308412					
245271	Mounting kit for PRO Xs AA–air assisted Airless hand gun in Gun Flush Box						
244917	Electrode kit, contains 5 pieces for Xs AA	309400					
244731	Pressure pot 0,95L, contains air regulator for gun air and pressure pot,	309361					
287301	Pressure pot 1,9L, contains air regulator for gun air and pressure pot,						
236854	Fluid pressure regulator pneumatic, max 7bar, connect directly to PRO Auto Xs	308098					
236853	Colour valve pneumatic max 21bar, connects directly to Pro Auto Xs, for quick cleaning and colour change						
245324	PRO Auto Xs conversion kit, for Auto Xs for handle conductive material (e.g. metallic)	309297					
237763	Robot mounting kit PRO 5500, GMF150	308576					
236917	kV-display, contain kV-display (189762) a. 7,6 m fibre glass cable (224672)	308265					
236919	kV-display, contain kV-display (189762) a. 15,0 m fibre glass cable (224674)						
236921	kV-display, contain kV-display (189762) a. 30,5 m fibre glass cable (224676)						
224682	Fibre glass cable 7,5m, connection between gun and display	308265					
180060	Warn label, English, (F) France, (G) German, (H) Dutch, (f) Italy, (S) Spain						

PRO Xp™ ELECTROSTATIC GUNS (models 2012)

PRO XP Air Spray



II 2 G
EEx 0.24 mJ
FM12ATEX0068

3A2494

199435



Standard



Smart
display



40Kv version



60Kv
round spray



80 Kv version



high conductivity

PRO XP Air Assist

(210 bar)



waterborne

PRO Xp™ ELECTROSTATIC GUNS (models 2012)

PRO XP air spray (100 psi):

3A2495

199435

p/n	Voltage (kV)	Nozzle			Standard	Smart display	Standard coating	High Conductivity/ High Wear	Increased Transfert Efficiency*
		1.5 mm*	1.2 mm*	Round spray					
L40T10	40	—			—		—		
L40T14	40	—			—		—		—
L40T15	40	—			—			—	—
L40T16	40	—			—			—	
L60T10	60	—			—		—		
L60T11	60			—	—		—		
L60T12	60		—		—		—		
L60T16	60	—			—			—	
L60M10	60	—				—	—		
L60M12	60		—			—	—		
L60M16	60	—				—		—	
L85T10	85	—			—		—		
L85T16	85	—			—			—	
L85M10	85	—				—	—		
L85M16	85	—				—		—	

*Increased Transfert Efficiency = BOOSTER

* 1.5 mm nozzle (24N616)

* 1.2 mm nozzle (24N615)

* Round spray nozzle (24M205)

PRO XP air assisted (3000 psi) :

3A2497

199435

p/n	Voltage (kV)	Standard	Smart display
H60T10*	60		—
H60M10*	60	—	
H85T10*	85		—
H85M10*	85	—	

*Includes AEM or AEF tip of choice

Waterborne air spray

L60T18	60	AEM or AEF of choice	—	
L60M18	60	"		—
L60M19*	60	"		—

* Used in mold release applications

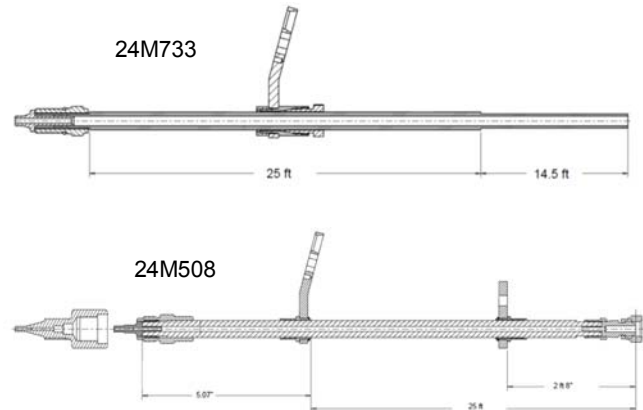
Waterborne air assisted

p/n	Voltage (kV)	Standard	Smart display
H60T18	60	—	
H60M18	60		—

*Includes AEM or AEF tip of choice

PRO Xp™ ELECTROSTATIC GUNS (models 2012)

WB systems



WB 100 systems

199436

p/n	Description	Manual
24P630	WB 100 system with gun L60T18 standard; air hose 235070 , fluid hose 24M733 unshielded	
24P631	WB 100 system with gun L60M18 smart; air hose 235070 , fluid hose 24M733 unshielded	
246511	WB 100 system without gun and hose set	309293

Mold release applications :

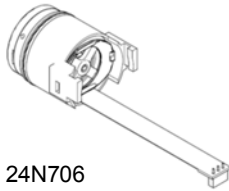
24P734	WB 100 system with gun L60M19 standard; air hose 235070 , fluid hose 24M733 unshielded	
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WB 3000 systems

p/n	Description	Manual
24N551	WB 3000 system with gun H60T18 standard; air hose 235070, fluid hose 24M508	
24P632	WB 3000 system with gun H60M18 smart; air hose 235070, fluid hose 24M508	
24N550	WB 3000 system without gun and hose set	3A2497

PRO Xp™ ELECTROSTATIC GUNS

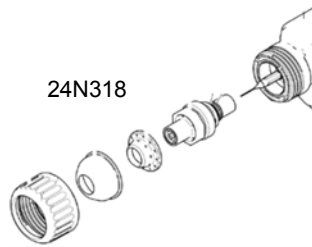
Accessories



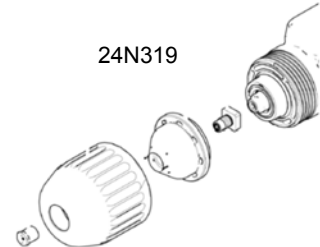
24N706



24N578



24N318



24N319



conductive gloves
117823 (small)
117824 (medium)
117825 (large)

fluid pressure
regulator



236854

Trigger 4 finger
Pro Xs3/4



244916

Swivel ¼" left



244834

coupling

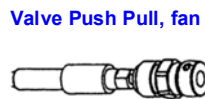


112534

Air- Nipple



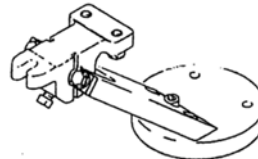
189191



Valve Push Pull, fan

244912

Mounting robot kit P150



237763

Swivel ¼" NPS



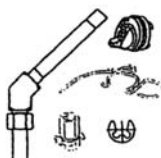
189018

Grip
Pro XS Guns



245263
245264

Mounting Kit

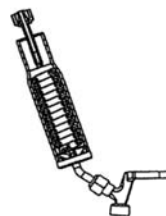


245270
245271

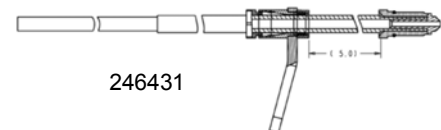
adapter
GunFlushBox



conversion kit
Pro Xs3



Hose assembly unshielded



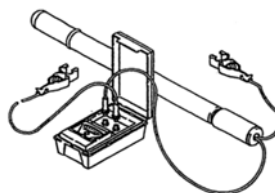
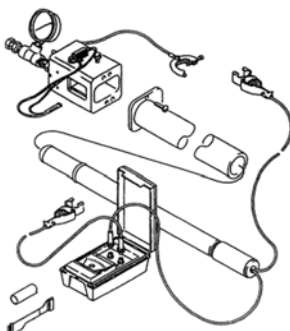
246431



Fluid hose set
245327

KV-Meter

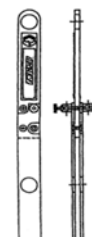
244919



OHM Meter

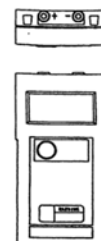


722886



722860

MegaOhm Meter



241079

PRO Xp™ ELECTROSTATIC GUNS (models 2012)

Accessories

Pro XP airspray / Pro XP air assisted

p/n	Description	Manual
24N789	Air seal repair kit (for 40/60/85 kV)	
24N790	Fluid seal repair kit (for 40/60/85 kV)	
24N706	Alternator bearing repair kit	3A2500
24N603	Gun covers for 40 & 60 Kv guns (box of 10)	
24N604	Gun covers for 85 Kv guns (box of 10)	
24N642	Ball swivel, for gun air inlet , 1/4" npsm (left-hand thread)	
24N578	Display cover (package of 5)	
24P171	4 fingers trigger kit	
24P172	Push pull valve; for quick change of fan size	
24N520	Comfort grip. Snap-on grip increase handle size to reduce operator fatigue (Medium)	
24N521	Comfort grip. Snap-on grip increase handle size to reduce operator fatigue (Large)	
117823	Conductive gloves (box of 12) , small	
117824	Conductive gloves (box of 12) , medium	
117825	Conductive gloves (box of 12) , large	
222011	Ground wire and clamp	
16P802	English warning sign	
24N528	Adapter Gun flush box	
24P312	Gun washer kit . To clean Pro XP guns on washer kit	
105749	Cleaning brush	
111265	Non-silicone lubricant , 4 oz (113 g)	
116553	Dielectric grease , 1 oz (30ml)	

Only Pro XP air spray

p/n	Description	Manual
24N318	Round spray kit (to convert a standard gun to a round spray air cap)	3A2498
16P798	English daily care sign	
16P799	English setup sign	
24N704	Electrode replacement needle for abrasive materials (color blue)	

Only ProXP air assisted

p/n	Description	Manual
24N319	Round spray kit (to convert a standard gun to a round spray air cap)	3A2499
16P800	English daily care sign	
16P801	English setup sign	

FINEX AIR SPRAY GUNS

Manual: 312388
EC-199224

HVLP Guns

An HVLP gun is a high transfer efficiency gun that limits the air pressure at the air cap to 10 psi (0.07 MPa, 0.7 bar) maximum. In some areas, an HVLP gun is required for compliance with environmental standards.

Compliant Guns

A compliant gun is a high transfer efficiency gun that has been tested to have a transfer efficiency greater than or equal to HVLP guns. In addition, the compliant air cap consumes much less air than the HVLP air cap. Graco compliant guns have no restrictions on air cap pressures.

Conventional Guns

An air spray gun has excellent atomization and high production rates typically with some reduction in transfer efficiency.

Spray Gun	HVLP	Compliant	Conventional
FINISH QUALITY	Good	Better	best
TRANSFER EFFICIENCY	High	High	Medium
FLUID FLOW	Low	Medium	High
AIR FLOW	High	Low	Low

Gravity Feed Gun



Wetted Parts:
Aluminium, SST,
engineered plastic

1/4-18.6
Special thread

289237
289238
289239
289240
289241
289242
289243
289244
289245
289246
289256
289257
289258
289259
289260

Accessories:

289517	Cup aluminium 125 cm ³
289323	Cup plastic 125 cm ³
289321	Cup aluminium 250 cm ³
289320	Cup aluminium 600 cm ³
253712	Gaskets (x5)
289322	Cup plastic 600 cm ³
15G145	Tool universal
15G146	Cleaning brush
289520	Adapter M16x1,5 for mounting 3 M cups on Finex

Hose:

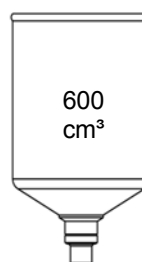
239631	1,2m Air whip hose	2x 1/4-18 NPSM (061346)
239636	4,6m Air hose	2x 1/4-18 NPSM (061346)
239637	7,6m Air hose	2x 1/4-18 NPSM (061346)
239622	1,2m Fluid whip hose	2x 3/8-18NPSM (061345)
239633	4,6m Fluid hose	2x 3/8-18NPSM (061345)
239634	7,6m Fluid hose	2x 3/8-18NPSM (061345)



289517 Alu
289323 Plastic



289321 Alu



289320 Alu
289322 Plastic



289520

Technical Data:

Max. fluid working pressure	7 bar
Air inlet	1/4" npsm
Fluid inlet pressure feed	3/8" npsm
Operating temperature	0 - 43°



Pressure Feed Gun



Wetted Parts:
Aluminium, SST,
engineered plastic

3/8-18.6
Special thread

1/4-18.6
Special thread

289247
289248
289249
289250
289251
289252
289253
289254
289255

FINEX AIR SPRAY GUNS

Manual: 312388

EC-199224

Pressure Feed Standard HVLP

Accessories:

Part No.	Description	Nozzle orifice	Needle Packing kit.:	Needle, Nozzle Air Cap Kit	Gun Body Kit:	Gun Repair Kit:	Gravity Cup Kit:
289247	Finex Gun Pressure HVLP	1,0	288891+	289301	288894	288897	---
289248		1,2		289302			
289249		1,4		289303			
289250		1,8		289304			

Pressure Feed Conventional

Accessories:

Part No.	Description	Nozzle orifice	Needle Packing kit.:	Needle, Nozzle Air Cap Kit	Gun Body Kit:	Gun Repair Kit:	Gravity Cup Kit:
289251	Finex Gun Pressure Conventional	0,8	288891+	289305	288894	288897	---
289252		1,0		289306			
289253		1,2		289307			
289254		1,4		289308			
289255		1,8		289309			

Gravity Feed Mini-HVLP

Accessories:

Part No.	Description	Nozzle orifice	Needle Packing kit.:	Needle, Nozzle Air Cap Kit	Gun Body Kit:	Gun Repair Kit:	Gravity Cup Kit:
289256	Finex Gun Mini HVLP	0,6	288890+	289286	288892	288895	289323 (125cm³)
289257		0,8		289287			
289258		1,0		289288			
289259		1,2		289289			
289260		1,4		289290			

Gravity Feed Conventional

Accessories:

Part No.	Description	Nozzle orifice	Needle Packing kit.:	Needle, Nozzle Air Cap Kit	Gun Body Kit:	Gun Repair Kit:	Gravity Cup Kit:
289242	Finex Gun Standard Conventional	1,0	288891+	289291	288893	288896	289322 (600cm³)
289243		1,3		289292			
289244		1,4		289293			
289245		1,5		289294			
289246		1,8		289295			

Gravity Feed HVLP

Accessories:

Part No.	Description	Nozzle orifice	Needle Packing kit.:	Needle, Nozzle Air Cap Kit	Gun Body Kit:	Gun Repair Kit:	Gravity Cup Kit:
289237	Finex Gun Standard HVLP	1,0	288891+	289296	288893	288896	289322 (600cm³)
289238		1,3		289297			
289239		1,4		289298			
289240		1,5		289299			
289241		1,8		289300			

+ = SST

Accessories for gun with Gravity feet:

234941	150ml 3M PPS Cup and Collar	(box of 8)
234940	150ml 3M PPS Lid and Liner	(box of 50)
234942	150ml 3M PPS Measurement insert	(box of 100)
234771	650ml 3M PPS Cup and Collar	(box of 8)
234772	650ml 3M PPS Lid and Liner	(box of 50)
15F531	650ml 3M PPS Measurement insert	(box of 100)
234937	850ml 3M PPS Cup and Collar	(box of 4)
234938	850ml 3M PPS Lid and Liner	(box of 25)
234939	850ml 3M PPS Measurement insert	(box of 100)
15E469	Dispenser PPS Liners	



Lid & Liner



Cup & collar

AirPro™ EFX Automatic Spray Gun

Manual 313869
EC- 199312



Guns with manifold



Guns without manifold

Technical data:

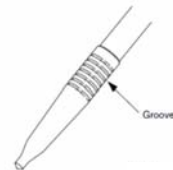
Maximum working fluid pressure	100 psi (0.7 MPa, 7 bar)
Maximum working air pressure	100 psi (0.7 MPa, 7 bar)
Maximum Working Fluid Temperature	120° F (49° C)
Minimum Air Cylinder Actuation Pressure	50 psi (0.34 MPa, 3.4 bar)

Tip Selection Charts:

Orifice Size		Viscosity	Flow	
			cc/min	oz/min
0,5 mm	0,020	< 20 cps	5 – 50	0,2 – 1,7
0,7 mm	0,028		10 – 100	0,3 – 3,4
0,9 mm	0,035		15 – 150	0,5 – 5,1
1,0 mm	0,039	20 – 64 cps	20 – 200	0,7 – 6,8
1,1 mm	0,043		25 – 250	0,8 – 8,5
1,3 mm	0,051	> 64 cps	35 – 350	1,2 – 11,8
1,5 mm	0,059		45 - 450	1,5 – 15,2

Needle Assembly Identification:

Part	Needle assy. size	# of grooves
24C190	0,5 mm	1
24C191	0,7 mm	2
24C192	0,9 mm	3
24C193	1,1 mm	4
24C194	1,3 mm	5



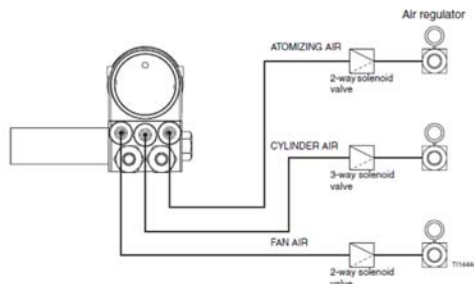
AirPro™ EFX Automatic Spray Gun

Models with Manifolds

Part No	Spray Type	Nozzle (mm)	Needle / Nozzle Kit	AirCap Kit
24B857	Conventional	0,7	+24C197	24C182
24B858	Conventional	0,9	+24C198	24C182
24B859	Conventional	1,1	+24C199	24C182
24B860	Conventional	1,3	+24C200	24C182
24B861	Conventional	1,5	+24C201	24C182
24B862	HVLP	0,5	+24D302	24C183
24B863	HVLP	0,7	+24D303	24C183
24B864	HVLP	1,1	+24D305	24C183
24B865	HVLP	1,3	+24D306	24C183
24B866	HiTEch	0,7	+24D303	24D703
24B867	HiTEch	1,0	+24D221	24D703
24B868	HiTEch	1,5	+24D201	24D704
24B869	LVMP	0,5	+24D277	24C184
24B870	LVMP	0,7	+24D278	24C184
24B871	LVMP	0,9	+24D279	24C184
24B872	LVMP	1,1	+24D280	24C184
24B873	LVMP	1,3	+24D281	24C184
24B874	LVMP	1,5	+24D284	24C184
24B875	Air Brush	0,7	+24C197	24D705
24B876	N/A	N/A	N/A	N/A

+Carbide

+SST



Rep Kit Air Cap Seal 289791

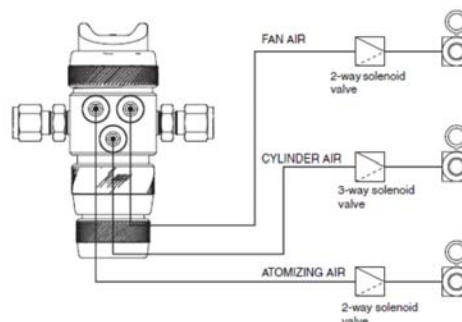
Manifold O-Ring kit 24D827

Models without Manifolds

Part No	Spray Type	Nozzle (mm)	Needle / Nozzle Kit	AirCap Kit
24B877	Conventional	0,7	+24C197	24C182
24B878	Conventional	0,9	+24C198	24C182
24B879	Conventional	1,1	+24C199	24C182
24B880	Conventional	1,3	+24C200	24C182
24B881	HVLP	0,7	+24D303	24C183
24B882	HVLP	1,1	+24D305	24C183
24B883	HVLP	1,3	+24D306	24C183
24B884	HiTEch	0,7	+24D303	24D703
24B885	HiTEch	1,0	+24C221	24D703
24B886	HiTEch	1,5	+24C201	24D704
24B887	LVMP	0,5	+24D277	24C184
24B888	LVMP	0,7	+24D278	24C184
24B889	LVMP	0,9	+24D279	24C184
24B890	LVMP	1,1	+24D280	24C184
24B891	LVMP	1,3	+24D281	24C184
24B892	Air Brush	0,7	+24C197	24D705
24B893	N/A	N/A	N/A	N/A

+Carbide

+SST



Rep Kit Air Cap Seal 289791

Accessories:

Air Cap

Part No.	Type	Nozzle orifice	Air Cap Color
24C182	Conventional	0,7 – 1,5 mm	Blue-Grey
24C183	HVLP	0,5 – 1,3 mm	Pewter
24D703	HiTEch	0,7 – 1,0 mm	Black
24D704	HiTEch	1,5 mm	Black
24C184	LVMP	0,5 – 1,5 mm	Brown
24D705	Air Brush	0,7 mm	Clear



HiTEch



LVMP



HVLP

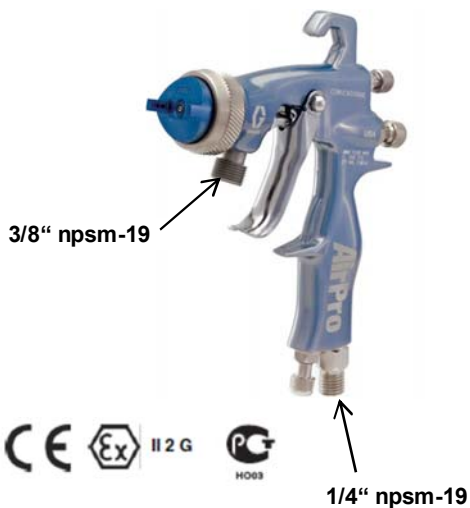


Conventional

Part No.	Description	Manual
24C261	Kit Fitting Tube Air line 1/4", (3x 120388 + 2x 111157)	313869
24D143	Robot Adapter kit, plate 24D141, 24D124 and screw's M8x25	
24D008	Inlet air Needle Valve	
24D827	Manifold O-Rings, 2x 106456 PTFE, 3x 112319 FX75	
24C214	HVLP Pressure Verification Kit, checking air cap atomizing and fan pattern air	

Spray Gun	HVLP	Compliant	Conventional
FINISH QUALITY	Good	Better	best
TRANSFER EFFICIENCY	High	High	Medium
FLUID FLOW	Low	Medium	High
AIR FLOW	High	Low	Low

Light	5-15 cps
Light-Medium	15-30cps
Medium	30-70cps
Medium-Heavy	70-100cps
Heavy	>100 cps



Technical data:

Max. air inlet pressure	7 bar
Max. fluid working pressure	7 bar
Air inlet	1/4" npsm
Fluid inlet pressure feed	3/8" npsm
Operating temperature	0 - 43°



Repair Kit:

289455	Needle Packing repair kit	
289399	Gun repair kit	
289791	Air Cap seal kit (5 pieces)	
289143	Trigger repair kit (5 pieces)	
289407	Air Valve repair kit	
289016	Gun Body repair kit	
288986*	Bare Gun 3/8" npsm fluid inlet	
289419*	Bare Gun 1/4" npsm fluid inlet	
289794	Tool	

* Without needle / nozzle / air cap

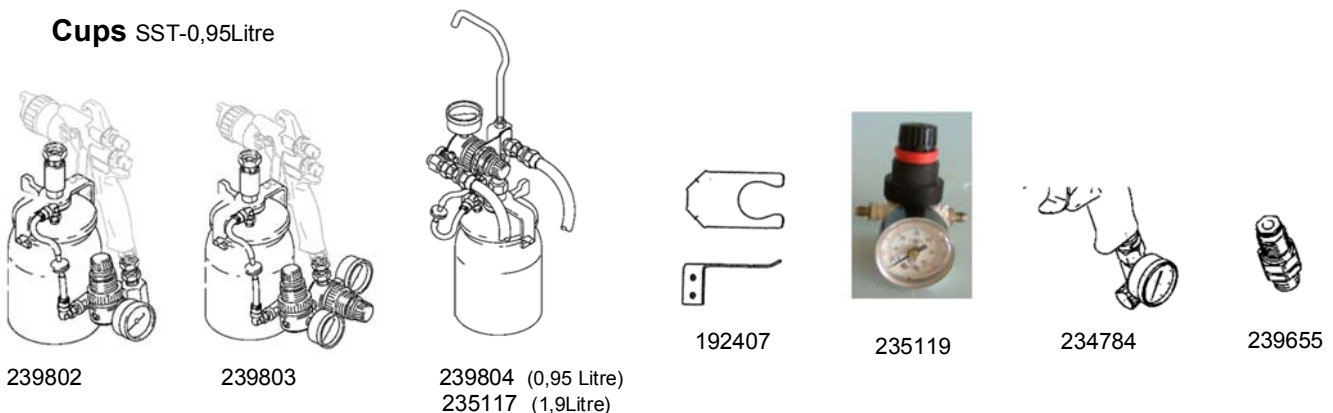
Accessories:

239802	0,95 Litre Pressure Cup SST single air regulator	308791
239803	0,95 Litre Pressure Cup SST double air regulator	308791
239804	0,95 Litre Pressure Cup SST remote air regulator	308791
240266	PE- Liners for 0,95 Litre Siphon cup (40packs)	308791
235117	1,9 Litre Pressure Cup ALU with air regulator and hose	308791
234784	Air Control Valve with gauge (gauge 108 190)	310692
235119	Gun Air Regulator assembly (gauge 110 436) (regulator 110 438)	308791
192407	Gun Holder (mounting)	
15T646	Gun Holder Flush -Box (not shown)	
239655	Swivel 9/16-18UNF-2A - 1/4-18.6 special thread	

Hose:

239631	1,2m Air whip hose	2x 1/4-18 NPSM (061346)
239636	4,6m Air hose	2x 1/4-18 NPSM (061346)
239637	7,6m Air hose	2x 1/4-18 NPSM (061346)
239622	1,2m Fluid whip hose	2x 3/8-18 NPSM (061345)
239633	4,6m Fluid hose	2x 3/8-18 NPSM (061345)
239634	7,6m Fluid hose	2x 3/8-18 NPSM (061345)

Cups SST-0,95Litre



AIRPRO SPRAY GUNS Pressure Feed

Manual 312414

Metal Spray Guns (Urethanes, Epoxies, Latex, 2 component materials)

Part No	Spray Type	Nozzle (mm)	Viscosity	AirCap Kit	Needle +Tip	Nozzle	Tip (pieces)	Needle/ Nozzle Kit
288726	Conventional	0,5	Light	289773	289270	289061	(5x) 289350 ‡ (1x) 192304 ‡	289458
288929	Conventional	0,8	Light	289773	289271	289062	(5x) 288183 ‡ (1x) 192304 ‡	289459
288930	Conventional	1,1	Light-medium	289773	289785	289063	(5x) 288184 ‡ (1x) 192305 ‡	289460
288931	Conventional	1,4	Light-medium	289773	289799	289064	(5x) 288185 ‡ (1x) 192306 ‡	289462
288932	Conventional	1,8	Light-medium	289784	289799	289065	(5x) 288185 ‡ (1x) 192306 ‡	289464
288933	Conventional	2,2	Light-medium	289068	289787	289066	(5x) 288184 ‡ (1x) 192305 ‡	289466
288934	Conventional	2,8	heavy	289069	289800	289067	(5x) 289007 ‡ (1x) 192309 ‡	289467
288935	HVLP	0,5	Light	289041	289270	289061	(5x) 289350 ‡ (1x) 192304 ‡	289458
288936	HVLP	0,8	Light	289041	289271	289062	(5x) 288183 ‡ (1x) 192304 ‡	289459
288937	HVLP	1,1	Light-medium	289041	289785	289063	(5x) 288184 ‡ (1x) 192305 ‡	289460
288938	HVLP	1,4	Medium	289041	289799	289064	(5x) 288185 ‡ (1x) 192306 ‡	289462
288939	HVLP	1,8	Medium-heavy	289041	289799	289065	(5x) 288185 ‡ (1x) 192306 ‡	289464
288940	HVLP	2,2	Medium-heavy	289070	289787	289066	(5x) 288184 ‡ (1x) 192305 ‡	289466
288941	HVLP	2,8	heavy	289043	289800	289067	(5x) 289007 ‡ (1x) 192309 ‡	289467
288942	Compliant	0,5	Light	289042	289270	289061	(5x) 289350 ‡ (1x) 192304 ‡	289458
288943	Compliant	0,8	Light	289042	289271	289062	(5x) 288183 ‡ (1x) 192304 ‡	289459
288944	Compliant	1,1	Light-medium	289042	289785	289063	(5x) 288184 ‡ (1x) 192305 ‡	289460
288945	Compliant	1,4	Medium	289042	289799	289064	(5x) 288185 ‡ (1x) 192306 ‡	289462
288946	Compliant	1,8	Medium-heavy	289042	289799	289065	(5x) 288185 ‡ (1x) 192306 ‡	289464
288947	Compliant	2,2	Medium-heavy	289044	289787	289066	(5x) 289004 ‡ (1x) 192308 ‡	289466
288948	Compliant	2,8	heavy	289045	289800	289067	(5x) 289007 ‡ (1x) 192309 ‡	289467

Metal Spray Guns with SST Tip (Urethanes, Epoxies, Latex, 2 component materials)

Part No	Spray Type	Nozzle (mm)	Viscosity	AirCap Kit	Needle	Nozzle	Tip (pieces)	Needle/ Nozzle Kit
288949	Conventional	1,1	Light-medium	289773	289272	289063	289010- 192310-	289461
288950	Conventional	1,4	Medium	289773	289273	289064	289013- 192311-	289463
288951	Conventional	1,8	Medium-heavy	289784	289273	289065	289013- 192311-	289465
288952	HVLP	1,1	Light-medium	289041	289272	289063	289010- 192310-	289461
288953	HVLP	1,4	Medium	289041	289273	289064	289013- 192311-	289463
288954	HVLP	1,8	Medium-heavy	289041	289273	289065	289013- 192311-	289465
288955	Compliant	1,1	Light-medium	289042	289272	289063	289010- 192310-	289461
288956	Compliant	1,4	Medium	289042	289273	289064	289013- 192311-	289463
288957	Compliant	1,8	Medium-heavy	289042	289273	289065	289013- 192311-	289465

‡ = Material is PEEK Polyetheretherketone

+ = SST 17-4

Automotive Applications (Base coats, Clear coats, Primers)

Part No	Spray Type	Nozzle (mm)	Viscosity	AirCap Kit	Needle	Nozzle	Tip (pieces)	Needle/Nozzle Kit
288929	Conventional	0,8	Light	289773	289271	289062	(5x) 288183 ‡ (1x) 192304 ‡	289459
288930	Conventional	1,1	Light-medium	289773	289785	289063	(5x) 288184 ‡ (1x) 192305 ‡	289460
288931	Conventional	1,4	Medium	289773	289799	289064	(5x) 288185 ‡ (1x) 192306 ‡	289462
289034	HVLP	1,0	Light	289771	289785	289774	(5x) 288184 ‡ (1x) 192305 ‡	289468
289035	HVLP	1,2	Light-medium	289771	289799	289775	(5x) 288185 ‡ (1x) 192306 ‡	289469
289541	HVLP	1,4	Medium	289771	289786	289776	(5x) 289001 ‡	289495
289036	Compliant	1,0	Light	289772	289785	289777	(5x) 288184 ‡ (1x) 192305 ‡	289470
289037	Compliant	1,2	Light-medium	289772	289799	289778	(5x) 288185 ‡ (1x) 192306 ‡	289471
289542	Compliant	1,4	Medium	289772	289799	289779	(5x) 288185 ‡ (1x) 192306 ‡	289497

Wood Applications (Stains, NGRs, Toners)

Part No	Spray Type	Nozzle (mm)	Viscosity	AirCap Kit	Needle	Nozzle	Tip (pieces)	Needle/Nozzle Kit
288958	Conventional	0,5	Light	288862	289270	288907	(5x) 289350 ‡	289350
288959	Conventional	0,8	Light	288862	289271	288927	(5x) 288183 ‡ (1x) 192304 ‡	289183
289109	Conventional	1,0	Light	288862	289785	289112	(5x) 288184 ‡ (1x) 192305 ‡	288184
288960	HVLP	0,5	Light	288864	289270	288907	(5x) 289350 ‡	289350
288961	HVLP	0,8	Light	288864	289271	288927	(5x) 288183 ‡ (1x) 192304 ‡	289183
289110	HVLP	1,0	Light	288864	289785	289112	(5x) 288184 ‡ (1x) 192305 ‡	289184
288962	Compliant	0,5	Light	288863	289270	288907	(5x) 289350 ‡	289350
288963	Compliant	0,8	Light	288863	289271	288927	(5x) 288183 ‡ (1x) 192304 ‡	289183
289111	Compliant	1,0	Light	288863	289785	289112	(5x) 288184 ‡ (1x) 192305 ‡	289184

High Wear Applications (Enamels, Ceramics, Metallics, High solids)

Part No	Spray Type	Nozzle (mm)	Viscosity	Air Cap Kit	Needle	Nozzle	Tip	Needle/Nozzle Kit
288973	Conventional	1,5	Medium	288861	289352†	289074	N/A	289478
288974	Conventional	1,8	Medium-heavy	289049	289352†	289075	N/A	289479
288975	Conventional	2,2	Medium-heavy	289049	289351†	289076	N/A	289480
288976	HVLP	1,5	Medium	289115	289352†	289331	N/A	289481
288977	HVLP	1,8	Medium-heavy	289325	289352†	289332	N/A	289482
288978	HVLP	2,2	Medium-heavy	289325	289351†	289333	N/A	289483
288979	Compliant	1,5	Medium	289050	289352†	289331	N/A	289481
288980	Compliant	1,8	Medium-heavy	289327	289352†	289332	N/A	289482
288981	Compliant	2,2	Medium-heavy	289327	289351†	289333	N/A	289483

‡ = Material is PEEK Polyetheretherketone

† = SST 17-4

‡ = Tungsten carbide

AIRPRO SPRAY GUNS Pressure Feed

Manual 312414

Waterborne Applications (Lacquers, UV materials, Paints)

Part No	Spray Type	Nozzle (mm)	Viscosity	Air Cap Kit	Needle	Nozzle	Tip (pieces)	Needle/Nozzle Kit
288964	Conventional	0,8	Light	289046	289785	289071	(5x) 288184 +	288184
288965	Conventional	1,1	Light-medium	289046	289785	289072	(1x) 192305 +	288184
288966	Conventional	1,4	Medium	289046	289799	289073	(5x) 288185 + (1x) 192306 +	288185
288967	HVLP	1,0	Light	289047	289785	289071	(5x) 288184 +	288184
288968	HVLP	1,2	Light-medium	289047	289785	289072	(1x) 192305 +	288184
288969	HVLP	1,4	Medium	289047	289799	289073	(5x) 288185 + (1x) 192306 +	288185
288970	Compliant	1,0	Light	289048	289785	289071	(5x) 288184 +	288184
288971	Compliant	1,2	Light-medium	289048	289785	289072	(1x) 192305 +	288184
288972	Compliant	1,4	Medium	289048	289799	289073	(5x) 288185 + (1x) 192306 +	288185

Adhesive Applications Furniture Automotive Packaging

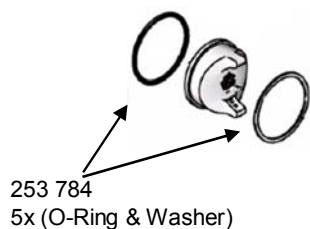
Part No	Spray Type	Nozzle (mm)	Viscosity	Air Cap Kit	Needle	Nozzle	Tip (pieces)	Needle/Nozzle Kit
288982	Conventional	1,3	Medium	289051	289799	289077	(5x) 288185 +	289484
288983	Conventional	1,8	Medium-heavy	289051	289799	289078	(1x) 192306 +	289485

Spatter Applications

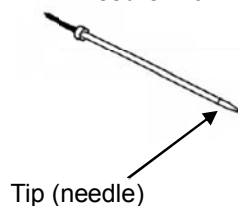
Part No	Spray Type	Nozzle (mm)	Viscosity	Air Cap Kit	Needle	Nozzle	Tip (pieces)	Needle/Nozzle Kit
288985	HVLP	1,1	Light-medium	289053	289785	289063	(5x) 288184 + (1x) 192305 +	289460

+ = SST 17-4

Air Cap Kit



Needle Kit



Nozzle Kit



Wetted Parts:
SST, PEEK,
Acetal, UHMWPE

3/8-18.6
Special thread

CE Ex II 2 G



1/4-18.6
Special thread

Technical data:

Max. air inlet pressure	7 bar
Max. fluid working pressure	7 bar
Air inlet	1/4" npsm
Fluid inlet pressure feed	3/8" npsm
Operating temperature	0 - 43°

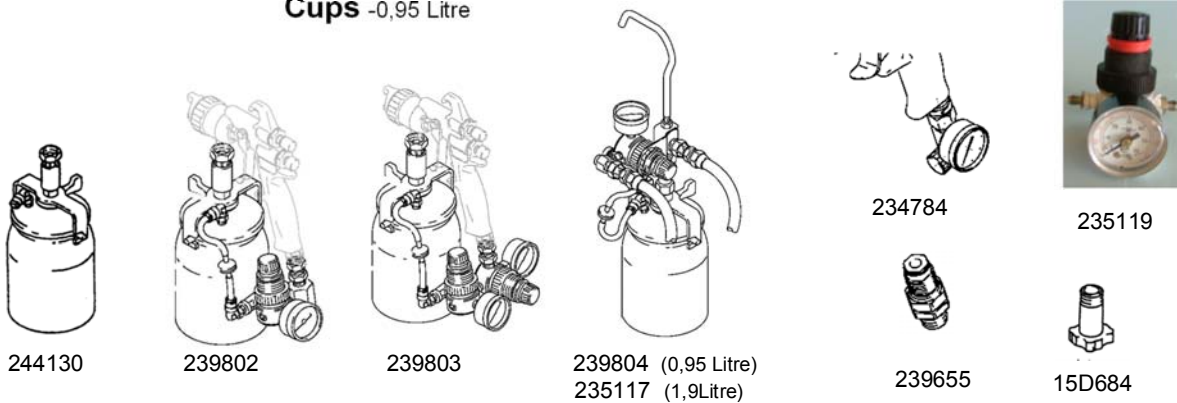
Repair Kit:

289455	Needle Packing repair kit
289790	Gun repair kit
289791	Air Cap seal kit (5 pieces)
289143	Trigger repair kit (5 pieces)
289408	Air Valve repair kit
289079	Retaining Ring Kit

Accessories:

244130	0,95 Litre Pressure Cup aluminium	308791
239802	0,95 Litre Pressure Cup SST single air regulator	308791
239803	0,95 Litre Pressure Cup SST double air regulator	308791
239804	0,95 Litre Pressure Cup SST remote air regulator	308791
240266	PE- Liners for 0,95 Litre Siphon cup (40packs)	308791
235117	1,9 Litre Pressure Cup ALU with air regulator and hose	308791
234784	Air Control Valve with gauge (gauge 108190)	310692
235119	Gun Air Regulator assembly (gauge 110436) (regulator 110 438)	308791
239655	Swivel 9/16-18UNF-2A - 1/4-18.6 special thread	
15D684	3M PPS Adapter 3/8"	
15E470	Lid Dispenser	
15E469	Liner Dispenser	
15T646	Gun Holder Flush -Box (not shown)	
15E467	Gun Tray for 6 cups	
239631	1,2m Air whip hose 2x 1/4-18NPSM (061346)	
239636	4,6m Air hose 2x 1/4-18NPSM (061346)	
239637	7,6m Air hose 2x 1/4-18NPSM (061346)	

Cups -0,95 Litre



AIRPRO SPRAY GUNS Siphon Feed

Manual 312578

Siphon Feed

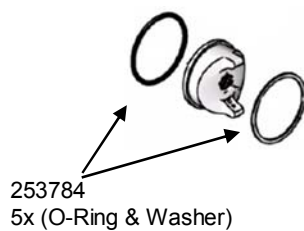
Part No	Spray Type	Nozzle (mm)	Viscosity	AirCap Kit	Needle Kit	Nozzle Kit	Needle Nozzle Kit	Tip (pieces)
289028 (289991)	Conventional	1,4	Light-medium	289769	289788	289560*	289487	234778 (1x) ‡ 288984 (5x) ‡
289029 (289992)	Conventional	1,8	Light-medium	289769	289788	288308*	289488	234778 (1x) ‡ 288984 (5x) ‡
289030 (289993)	HVLP	1,4	Light-medium	289435	289789	289417*	289489	253917 (1x) ‡ 289001 (5x) ‡
289031 (289994)	HVLP	1,8	Light-medium	289435	289789	289418*	289490	253917 (1x) ‡ 289001 (5x) ‡
289032 (289995)	Compliant	1,4	Light-medium	289768	289788	288304*	289491	234778 (1x) ‡ 288984 (5x) ‡
289033 (289996)	Compliant	1,8	Light-medium	289768	289788	288306*	289492	234778 (1x) ‡ 288984 (5x) ‡

(without cup)

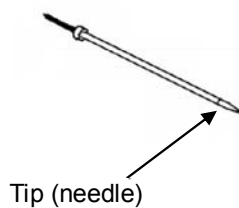
* = with O Ring 111457 (PTFE)

‡ = Material is PEEK Polyetheretherketone

Air Cap Kit



Needle Kit



Nozzle Kit



AIRPRO SPRAY GUNS Gravity Feed

Wetted Parts:

SST, PEEK, Acetal,
UHMWPE

Manual: 312579



Technical data:

Max. air inlet pressure	7 bar
Max. fluid working pressure	7 bar
Air inlet	1/4" npsm
Operating temperature	0 - 43°

Repair Kit:

289455	Needle Packing repair kit
289790	Gun repair kit
289791	Air Cap seal kit (5 pieces)
289143	Trigger repair kit (5 pieces)
289408	Air Valve repair kit
289079	Retaining Ring Kit
289022	Gun Body repair kit

Accessories:

289797	Cup aluminium 0,65 Liter (gaskets x5 : 253712)
289770	Cup plastic, 0,65 Liter
289802	Cup aluminium 0,95 Liter, gasket (189 883), lid (236 908), under cup (239727)
192407	Cup holder
234784	Air Control Valve with gauge, (gauge 108 190)
235119	Gun Air Regulator assembly, (gauge 110 436) (regulator 110 438)
239655	Swivel (AIR) 9/16-18UNF-2A - 1/4 -18.6 special thread
15T623	Air Cap Test
289795	PPS Adapter 5/8" – 11UNC
15E470	Lid Dispenser
15T646	Gun Holder Flush –Box (not shown)
15E469	Liner Dispenser
15E467	Gun Tray for 6 cups



192 407



289795

Hose:

239631	1,2m Air whip hose 2x 1/4-18NPSM (061346)
239636	4,6m Air hose 2x 1/4-18NPSM (061346)
239637	7,6m Air hose 2x 1/4-18NPSM (061346)

AIRPRO SPRAY GUNS Gravity Feed

Gravity Feed without Cup

Manual 312579

Part No	Spray Type	Nozzle (mm)	Viscosity	Air Cap Kit	Needle Kit	Nozzle Kit	Needle/Nozzle	Tip (Needle)
289002	Conventional	1,4	Light-medium	289773	289799	289780	289493	(1x) 192306 ‡ (5x) 288185 ‡
289003	Conventional	1,8	Light-medium	289773	289786	289767	289494	(5x) 289001 ‡
289005	HVLP	1,4	Light-medium	289771	289786	289776	289495	
289006	HVLP	1,8	Light-medium	289771	289786	289801	289496	
289008	Compliant	1,4	Light-medium	289772	289799	289779	289497	(1x) 192306 ‡
289009	Compliant	1,8	Light-medium	289772	289799	289559	289498	(5x) 288185 ‡

‡ = Material is PEEK Polyetheretherketone

Gravity Feed with Plastic Cup

Manual 312579

Part No	Spray Type	Nozzle (mm)	Viscosity	Air Cap Kit	Needle Kit	Nozzle Kit	Needle/Nozzle	Tip (Needle)
289011	Conventional	1,4	Light-medium	289773	289799	289780	289493	(1x) 192306 ‡ (5x) 288185 ‡
289012	Conventional	1,8	Light-medium	289773	289786	289767	289494	(5x) 289001 ‡
289014	HVLP	1,4	Light-medium	289771	289786	289776	289495	
289015	HVLP	1,8	Light-medium	289771	289786	289801	289496	
289017	Compliant	1,4	Light-medium	289772	289799	289779	289497	(1x) 192306 ‡
289018	Compliant	1,8	Light-medium	289772	289799	289559	289498	(5x) 288185 ‡

‡ = Material is PEEK Polyetheretherketone

Gravity Feed with 3M PPS Cup

Manual 312579

Part No	Spray Type	Nozzle (mm)	Viscosity	Air Cap Kit	Needle Kit	Nozzle Kit	Needle/Nozzle	Tip (Needle)
289020	Conventional	1,4	Light-medium	289773	289799	289780	289493	(1x) 192306 ‡ (5x) 288185 ‡
289021	Conventional	1,8	Light-medium	289773	289786	289767	289494	(5x) 289001 ‡
289023	HVLP	1,4	Light-medium	289771	289786	289776	289495	
289024	HVLP	1,8	Light-medium	289771	289786	289801	289496	
289026	Compliant	1,4	Light-medium	289772	289799	289779	289497	(1x) 192306 ‡
289027	Compliant	1,8	Light-medium	289772	289799	289559	289498	(5x) 288185 ‡

‡ = Material is PEEK Polyetheretherketone

Accessories:

234941	150ml 3M PPS Cup and Collar	(box of 8)
234940	150ml 3M PPS Lid and Liner	(box of 50)
234942	150ml 3M PPS Measurement insert	(box of 100)
234771	650ml 3M PPS Cup and Collar	(box of 8)
234772	650ml 3M PPS Lid and Liner	(box of 50)
15F531	650ml 3M PPS Measurement insert	(box of 100)
234937	850ml 3M PPS Cup and Collar	(box of 4)
234938	850ml 3M PPS Lid and Liner	(box of 25)
234939	850ml 3M PPS Measurement insert	(box of 100)
289795	PPS Adapter 5/8" – 11UNC	



289795



Lid & Liner



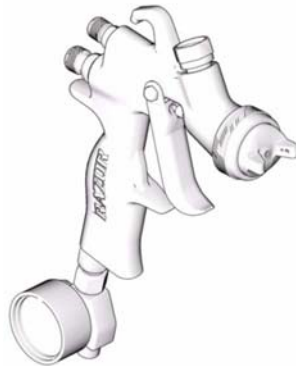
Cup & collar

RAZOR Gravity Feed Gun RAZOR Siphon Feed Gun

Manual 312101

Manual 312106

EC-199196



Wetted Parts:

SST, PEEK,
Acetal, UHMWPE

Technical data:

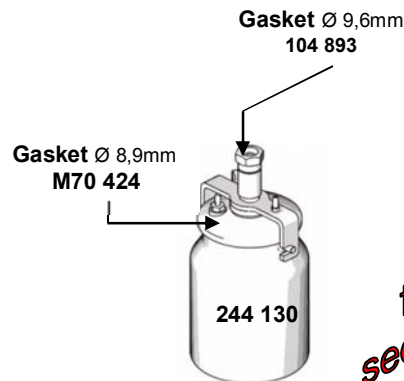
Max. air inlet pressure	7 bar
Max. fluid working pressure	7 bar
Air inlet	1/4" npsm
Fluid inlet Siphon feed	3/8" npsm
Operating temperature	0 - 43°

Repair Kit:

253748	Needle Packing repair kit	
253783	Gun repair kit	
253784	Air Cap seal kit	
253785	Trigger repair kit	
253933	Air inlet fitting repair kit	
253934	Air Valve repair kit	
289213	Cup gasket 10 Pack kit	

Accessories:

288661	Razor Plastic Gravity Cup with lid (15K136)
253977	Razor Aluminium Gravity Cup with lid (22104)
288744	High volume air adjusting valve with gauge
234387	High output precision air valve
288652	Digi-tell digital air adjusting valve
253975	PPS Adapter
104893	O-ring Teflon
M70424	Gasket foam
244130	Cup 1litre HVLP aluminium
M70394	Hose connector
196467	Duckbill valve



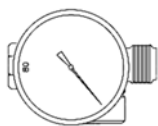
*for more
see page 3-5*



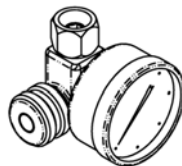
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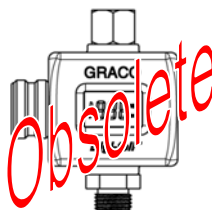
196467



288744



234387



288652



253975

RAZOR Gravity Feed Gun

Manual 312101

Part No	Spray Type	Nozzle (mm)	Application	Air Cap Kit	Nozzle Kit	Needle Kit	Tip (Needle)
288561	LVL	1,2	Clear, Base	253823	253802	253771	(5x) 288185 ‡ (1x) 192306 ‡
288562	LVL	1,3	Clear, Base	253823	253803	253771	(1x) 192306 ‡
288563	LVL	1,4	Clear, Base	253823	253804	253772	(1x) 253917 ‡
288564	LVL	1,5	Clear, Base	253823	253805	253772	
288565	LVL	1,6	Clear, Base	253823	253806	253773	(5x) 288187 ‡ (1x) 192307 ‡
288566	HVL	1,0	Clear, Base	253824	253792	253769	(5x) 288184 ‡ (1x) 192305 ‡
288567	HVL	1,2	Clear, Base	253824	253793	253771	(5x) 288185 ‡ (1x) 192306 ‡
288568	HVL	1,3	Clear, Base	253824	253794	253771	(1x) 192306 ‡
288569	HVL	1,4	Clear, Base	253824	253795	253772	
288570	HVL	1,5	Clear, Base	253824	253796	253772	(1x) 253917 ‡
288571	HVL	1,7	Clear, Base	253824	253797	253772	
288572	HVL	1,5	Primer	253828	253789	253772	
288573	HVL	1,8	Primer	253828	253790	253774	(5x) 289004 ‡ (1x) 192308 ‡
288574	HVL	2,3	Primer	253829	253791	253774	(1x) 192308 ‡
288575	Compliant	1,0	Clear, Base, Primer	253825	253816	253769	(5x) 288184 ‡ (1x) 192305 ‡
288576	Compliant	1,2	Clear, Base, Primer	253825	253817	253771	
288577	Compliant	1,3	Clear, Base, Primer	253825	253818	253771	(5x) 288185 ‡ (1x) 192306 ‡
288578	Compliant	1,4	Clear, Base, Primer	253825	253819	253771	(1x) 192306 ‡
288657	Compliant	1,5	Clear, Base, Primer	253825	288653	253772	(1x) 253917 ‡
288579	Compliant	1,6	Clear, Base, Primer	253825	253820	253772	
288580	Compliant	2,0	Clear, Base, Primer	253826	253821	253774	(5x) 289004 ‡ (1x) 192308 ‡
288581	Compliant	2,5	Clear, Base, Primer	253826	253822	253775	(1x) 192309 ‡
288582	Conventional	1,2	Clear, Base	288451	288295	253772	(1x) 253917 ‡
288583	Conventional	1,3	Clear, Base	253451	288296	253772	
288584	Conventional	1,4	Clear, Base	253451	288297	253771	(5x) 288185 ‡ (1x) 192306 ‡
288585	Conventional	1,6	Clear, Base	253451	288298	253772	(1x) 253917 ‡
288586	Conventional	1,8	Primer	253452	288299	253772	
288587	Conventional	2,5	Primer	253453	288300	253775	(5x) 289007 ‡ (1x) 192309 ‡
289218	HVL	1,3	Metallic	289212	253794	253771	(5x) 288185 ‡ (1x) 192306 ‡
289219	HVL	1,4	Metallic	289212	253795	253772	(1x) 253917 ‡
289220	HVL	1,5	Metallic	289212	253796	253772	

‡ = Material is PEEK Polyetheretherketon

RAZOR Siphon Feed Gun

Manual 312106

Part No	Spray Type	Nozzle (mm)	Application	Air Cap Kit	Nozzle Kit	Needle Kit	Tip (Needle)
288588	HVL	2,2	Clear, Base	253827	253778	253777	(5x) 289004 ‡ (1x) 192308 ‡
288589	Compliant	1,0	Clear, Base	253454	288301	288640	(5x) 288184 ‡ (1x) 192305 ‡
288590	Compliant	1,2	Clear, Base	253454	288302	288641	(1x) 234778 ‡
288591	Compliant	1,3	Clear, Base	253454	288303	288641	
288592	Compliant	1,4	Clear, Base	253454	288304	288642	(5x) 288185 ‡ (1x) 192306 ‡
288593	Compliant	1,6	Clear, Base	253454	288305	288642	(1x) 192306 ‡
288594	Compliant	1,8	Primer	253454	288306	288643	(1x) 253917 ‡
288595	Conventional	1,5	Clear, Base	253455	288307	288642	(5x) 288185 ‡ (1x) 192306 ‡
288596	Conventional	1,8	Clear, Base	253455	288308	288642	(1x) 192306 ‡
288597	Conventional	2,0	Primer	253456	288309	253777	(5x) 289004 ‡ (1x) 192308 ‡
288598	Conventional	2,5	Primer	253457	288310	253777	(1x) 192308 ‡

‡ = Material is PEEK Polyetheretherketon

HVLP EDGE™ – Gun (Turbo Force Unit)

Manual: 313317 / 313754



Material	Fluid Set #2 256946	Fluid Set #3 256947	Fluid Set #4 256948	Fluid Set #5 256949	Fluid Set #6 256950
Dye	-----				
Ink	-----				
Non-Wiping Stain	-----				
Automotive Finish	-----	-----			
Lacquer		-----	-----		
Stain		-----			
Enamel		-----	-----	-----	
Epoxy		-----	-----	-----	
Urethane		-----	-----	-----	
Varnish		-----	-----	-----	
Primer			-----	-----	
Industrial Finishes				-----	-----
Latex				-----	-----
Multi-Spec				-----	-----
Butyrate					-----
Nitrate Dope					-----
Oil Wall Paint					-----



Part No.	Description	Manual
257827	HVLP Automatic EDGE Gun <u>without regulator's</u> , Nozzle #3	313754
257092	HVLP EDGE Gun, with <u>Fluid regulator</u> , Nozzle #3	313317
256855	HVLP EDGE Gun, same like 257902 additional with 0,95l Cup	
256856	HVLP EDGE Gun, same like 256855 additional with ARTISAN (Air Valve)	
256927	Artisan Air Valve kit (conversion kit to upgrade 257 092 and 256 855)	

Gun under cup 1 liter

244130	Under Cup 1 L aluminium			309205
244131	Under Cup 1 L, with airtight lid for material storage			
244132	Under Cup 1 L, without lid			
240266	40 pieces intake cup liner (paint & solvent resistant)/ 1 liter (240 265 = 5 pieces intake cup liner)			
243714	Lid assy cup, with clamp and fluid tube			
M70394	Steam			
M71671	Fluid tube, for 1 liter under cup			
244133	Tube - kit (5 pieces) for Gun (under cup) approx. 16,5cm			
240265	Lid gasket, (PP) 1 liter cup (5 pieces)	M70424	Lid gasket, (PP) 1 liter cup (1 pieces)	
193218	Strainer 1 piece	240267	Strainer 3 pieces	
M71671	Fluid tube, for 1 L under cup			309205
244836	Check Valve Conversion Kit for HVLP–T Guns			309349

Gun over cup

244136	Cup over kit, incl. cup / lid / tube 0,5 liter	309283
244134	Tube – kit (5 pieces) for Gun (cup over) approx. 40,5cm	

Cup under assembly

Lid Air tight
M70610



244131

244130

240266
40 p. liner

Tube

M71671



cup over

244136 0,5 liter

AIR SPRAY GUNS

Fluid inlet 3/4" for heavy application e.g. "Anti Drön" coatings



Fluid 140 bar
Air 7 bar
Nozzle 5,9mm 167330
Option:
Nozzle 9,5mm 167331

President



204000

Texspray 1030FC

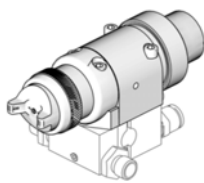


235490

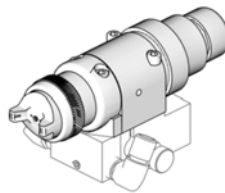
Fluid 70 bar
Recommended 10 bar
Air 7 bar



Automatic AirPro® Spray Guns

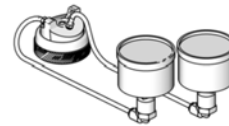


Part **24A749** Conventional Gun shown mounted on Part 288217 Manifold



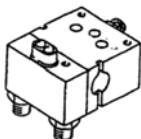
Part **24A753** Conventional Gun with fluid control shown mounted on Part 288223 Manifold

HVLP Pressure Verification Kit

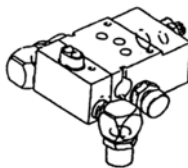


289563, 289568,
289569, 289566

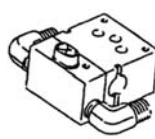
Assembly block for all automatic guns (see manual 313516)



288221



288223
24C342

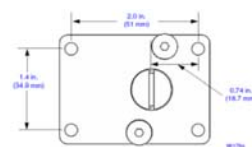


288217
288218



288160
288211

Retrofit Adapter



288197



24B609

AIR SPRAY GUNS “Hand Gun”

Part No.	Description	Manual
204000	Hand spray gun for heavy material (also filled) Air consumption 425-708 L/min	306494
235490	Texture Hand spray gun	308274

Automatic AirPro Gun

Manual 313 516

“General Metal Applications”

Repair Kit Air Seal:

288171

Repair Kit Fluid Seal:

24B675

Part No.	Description	Needle / Nozzle kit	Needle	Needle tip pack of 5	Nozzle	Air Cap	Orifice Size	Viscosity	Flow (l/min.)
24B333	Conventional	24B332	24B331	289350	289061	289773	0,5mm	Light	0,06-0,18
24A747	Conventional	24A687	24A683	288183	289062	289773	0,8mm	Light	0,12-0,3
24A748	Conventional	24A688	24A684	288184	289063	289773	1,1mm	Light-medium	0,24-0,42
24A749	Conventional	24A689	24A685	288185	289064	289773	1,4mm	Medium	0,36-0,54
24A750	Conventional	24A690	24A685	288185	289065	289784	1,8mm	Medium-heavy	0,48-0,6
24B334	HVLP	24A332	24B331	289350	289061	289041	0,5mm	Light	0,06-0,18
24A754	HVLP	24A687	24A683	288183	289062	289041	0,8mm	Light	0,12-0,3
24A755	HVLP	24A688	24A684	288184	289063	289041	1,1mm	Light-medium	0,24-0,42
24A756	HVLP	24A689	24A685	288185	289064	289041	1,4mm	Medium	0,36-0,54
24A757	HVLP	24A690	24A685	288185	289065	289042	1,8mm	Medium-heavy	0,48-0,6
24B335	Compliant	24A332	24A331	289350	289061	289042	0,5mm	Light	0,06-0,18
24A761	Compliant	24A687	24A683	288183	289062	289042	0,8mm	Light	0,12-0,3
24A762	Compliant	24A688	24A684	288184	289063	289042	1,1mm	Light-medium	0,24-0,42
24A763	Compliant	24A689	24A685	288185	289064	289042	1,4mm	Medium	0,36-0,54
24A764	Compliant	24A690	24A685	288185	289065	289042	1,8mm	Medium-heavy	0,48-0,6
24A751*	Conventional	24A687	24A683	288183	289062	289773	0,8mm	Light	0,12-0,3
24A752*	Conventional	24A688	24A684	288184	289063	289773	1,1mm	Light-medium	0,24-0,42
24A753*	Conventional	24A689	24A685	288185	289064	289773	1,4mm	Medium	0,36-0,54
24A758*	HVLP	24A687	24A683	288183	289062	289041	0,8mm	Light	0,12-0,3
24A759*	HVLP	24A688	24A684	288184	289063	289041	1,1mm	Light-medium	0,24-0,42
24A760*	HVLP	24A689	24A685	288185	289064	289041	1,4mm	Medium	0,36-0,54
24A765*	Compliant	24A687	24A683	288183	289062	289042	0,8mm	Light	0,12-0,3
24A766*	Compliant	24A688	24A684	288184	289063	289042	1,1mm	Light-medium	0,24-0,42
24A767*	Compliant	24A689	24A685	288185	289064	289042	1,4mm	Medium	0,36-0,54

* With Fluid Control Knob (for fine adjustment of fluid flow).

“High Wear Application”

Repair Kit Air Seal:

288171

Repair Kit Fluid Seal:

24B675

Part No.	Description	Needle / Nozzle kit	Needle	Nozzle	Air Cap	Orifice Size	Viscosity	Flow (l/min.)
24A774	Conventional	24A693	24A686	289074	288861	1,5mm	Light	0,06-0,18
24A775	Conventional	24A694	24A686	289075	289049	1,8mm	Light	0,12-0,3
24B336	Conventional	24B358	24B357	289076	289049	2,2mm		
24C316	Conventional	24C142	24C319	289075	289049	2,8mm		
24A776	HVLP	24A695	24A686	289331	289115	1,5mm		
24A777	HVLP	24A696	24A686	289332	289325	1,8mm	Light-medium	0,24-0,42
24A778	Compliant	24A695	24A686	289331	289050	1,5mm	Medium	0,36-0,54
24A779	Compliant	24A696	24A686	289332	289327	1,8mm	Medium-heavy	0,48-0,6

+ Needle tip and nozzle exit constructed from tungsten carbide

“Wood Application”

Repair Kit Air Seal:

288171

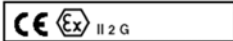
Repair Kit Fluid Seal:

24B675

Part No.	Description	Needle / Nozzle kit	Air Cap	Orifice Size	Viscosity	Flow (l/min.)
24A768	Conventional	24A691	288862	0,8mm	Light	0,12-0,3
24A769	Conventional	24A692	288862	1,0mm	Light-medium	0,24-0,42
24A770	HVLP	24A691	288864	0,8mm	Light	0,12-0,3
24A771	HVLP	24A692	288864	1,0mm	Light-medium	0,24-0,42
24A772	Compliant	24A691	288863	0,8mm	Light	0,12-0,3
24A773	Compliant	24A692	288863	1,0mm	Light-medium	0,24-0,42

Part No	Description	Manual
111265	Lubricant 113 gram tube sanitary (non silicone) lubricant for seals and wear areas	
24A780	Replacement Gun without needle, nozzle and Air cap	313516
288138	Fluid control knob (incl. spring, ball, clip)	
288197	Retrofit Adapter Plate	
24B609	Gun mounting bracket lit (Cefla)	

Silver Airless



AIRLESS SPRAY GUNS

Flex Gun for 2K & Zinc



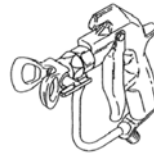
235460
235462



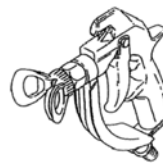
235461



246240
235464
243283



238591



235465



246468
248157

XTR – Airless Gun



XTR500, XTR504, XTR501
XTR700, XTR704, XTR705



XTR505
XTR507
XTR705



XTR502
XTR702



XTR503
XTR703



Inline Valve
for telescope
gun

220229

New Contractor



288009
288475
288479
262114



288438
288428
288008

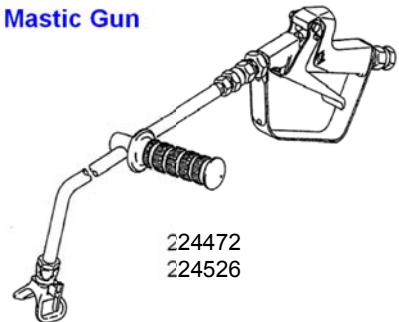
New FTX - Gun

SG2 / SG3 Gun



243011
243238

Mastic Gun



224472
224526

Hydra Mastic Gun



206718
207300

Texture gun



289605



224990
289671

Spackmax gun



245820

OFS-System



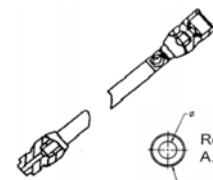
248947

Contractor In-line



244364

287026 (0.9 m)
287027 (1.8 m)



244163
244164
Extension Contractor

Rohr, Aluminium
A.D. 15,8 mm, I.D. 8,25 mm

AIRLESS SPRAY GUNS

Part No.	Description	Manual
Silver-Gun 345bar 1/4" NPSM 7/8" Guard 50°Cmax		
235460	Silver Gun 2,3 mm, bare (2 finger trigger)	Rep Kit 235474
235461	Silver Gun 2,3 mm bare (4 finger trigger)	Rep Kit 235474
235462	Silver Gun, 0,94 mm bare (2 finger trigger)	Rep Kit 235475
243283	Silver Gun, RAC 5 & 515 Tip (2 finger trigger)	Rep Kit 235474
246240	Silver Gun, RAC X & PAA517 Tip (2 finger trigger)	Rep Kit 235474
235464	Silver Gun, XHD RAC & XHD 617 Tip (2 finger trigger)	Rep Kit 235474
238591	Silver Gun, XHD RAC & XHD 619 Tip (4 finger trigger)	Rep Kit 235474
		coating
		CE - EXX II 2G
235465	Silver Gun 345bar bare (2 finger trigger)	Rep Kit 235475
246468	Flex Plus Silver Gun, connect at housing, RAC X & PAA 517 Tip	Rep Kit 235474
248157	Flex Silver Gun, connect at housing, RAC 5, LL5 319 Tip	Rep Kit 235474
		Coating
289605	Texture-Gun, 276 bar, with GHD-RAC & 631Tip (4 finger trigger)	none rep kit
245820	Spackmax gun, 280 bar, without tip	Rep kit 245808
		Coating
XTR-5 345bar XTR-7 500bar 1/4" NPSM 7/8" Guard 71°Cmax		
XTR500	Gun, round grip (25mm) without Tip (4 finger trigger)	Rep Kit 248837
XTR501	Gun, round grip (25mm) Tip 163 519 (4 finger trigger)	Rep Kit 248837
XTR502	Gun, oval Nylon grip ‡ & XHD RAC, 519 Tip (4 finger)	Rep Kit 248837
XTR503	Gun, oval Nylon grip ‡ & XHD RAC, 519 Tip (2 finger)	Rep Kit 248837
XTR504	Gun, round grip (25mm) & XHD RAC, 519 Tip (4 finger)	Rep Kit 248837
XTR505	Gun, round grip (25mm) & XHD RAC, 519 Tip (2 finger)	Rep Kit 248837
XTR506	Gun, round grip (22mm) & XHD RAC, 519 Tip (4 finger)	Rep Kit 248837
XTR507	Gun, round grip (22mm) & XHD RAC, 519 Tip (2 finger)	Rep Kit 248837
		coating
		CE - EXX II 2G c T6
312145		
XTR700	Gun 500 bar, round grip without Nozzle (4 finger trigger)	Rep Kit 248837
XTR701	Gun 500 bar, round grip & Nozzle 163 519 (4 finger trigger)	Rep Kit 248837
XTR702	Gun 500 bar oval Nylon grip ‡ & XHD RAC, 519 Tip (4 finger)	Rep Kit 248837
XTR703	Gun 500 bar oval Nylon grip ‡ & XHD RAC, 519 Tip (2 finger)	Rep Kit 248837
XTR704	Gun 500 bar round grip & XHD RAC, 519 Tip (4 finger)	Rep Kit 248837
XTR705	Gun 500 bar round grip & XHD RAC, 519 Tip (2 finger)	Rep Kit 248837
		coating
		CE - EXX II 2G c T6
312145		
310743		
Contractor 250bar 1/4" NPSM 7/8" Guard 49°Cmax		
288475	New Contractor Gun RAC X, Tip PAA 517, 2 Filter, (2 fingers trigger)	Rep Kit-288488
288009	New Contractor Gun RAC X, Tip PAA 517, 2 Filter, (4 fingers trigger)	Rep Kit-288488
288477	New Contractor Gun RAC V (2 finger trigger)	Rep Kit-288488
262114	New Contractor Gun RAC X without Tip& Guard (2 fingers trigger)	Rep Kit-288488
	287032 Filter 60Mesh, 287033 Filter 100Mesh, 287034 Filer 60+100Mesh	
244364	Contractor InLine gun, 252 bar, bare, 1/4" inlet, outlet 7/8"-14 UNF-2B	needle kit 218070
287026	Contractor clean shot * 0.9 m, fluid pressure open @ 48bar, RAC X(517)	needle kit 218070
287027	Contractor clean shot * 1.8 m, fluid pressure open @ 48bar, RAC X(517)	needle kit 218070
		coating
244163	Extension 0,9 m, clean shot,	
244164	Extension 1,8 m, clean shot	
SG - FTX-Gun 248bar 1/4" NPSM 7/8" Guard 49°Cmax		
243011	SG2 Gun, (Fieldlazer) with RAC 4, tip 262515, 248 bar (4 finger trigger)	none rep kit
243238	SG3 Gun, Magnum with RAC 5, tip 262515, 248 bar (4 finger trigger)	none rep kit
	243084 Filter 50 & 100Mesh for SG2 Gun and SG3 Gun	
288008	New FTX Gun RAC X, tip PAA 517	
288438	New FTX Gun RAC X, tip PAA 517, 60 u. 100 Mesh filter	needle Kit 288 488
288428	New FTX Gun RAC 5, without tip (4 finger trigger)	needle Kit 288 488
		coating
		CE
311861		
311861		
311861		
309641		
206718	Hydra Mastic Gun, 1/2" inlet, outlet 7/8"-14 UNF-2B bare	none rep kit
207300	Hydra Mastic Gun, 1/2" bare without Diffuser	none rep kit
		coating
245820	Ultra-Lite Sp. Max, 1/2" inlet, 7/8"-14 outlet, bare (without tip)	Rep. Kit245 808
224472	Mastic-Flo-Gun, 275bar 25cm extension	none rep kit
224526	Mastic-Flo-Gun, without extension, 1/2"NPT(M) inlet and outlet	none rep kit
224990*	Mastic-Flo-Gun without Diffuser, RAC X, Tip HDA535, 275 bar	none rep kit
289671*	Mastic-Flo-Gun without Diffuser, RAC X, Tip HDA535, 275 bar	none rep kit
		Coating
309045		
309045		
311861		
311861		
311861		
306863		
309495		
308124		
308124		
308206		
OFS	OFS -GUN RAC V 288 424, incl. clean shot valve 287030, extension 287726 (25 cm), tip LL5 321, LL5 419 and 262 521 (clean shot O-Ring 120190 / Gasket 162863)	
248947		
220229	Gun, 210 bar, 1/4"NPT(M), Fluid inlet and outlet (inline Design)	
		Coating
311083		
307756		

*not EC- market ‡ Nylon grip, for heat isolation, Temp. 72°C

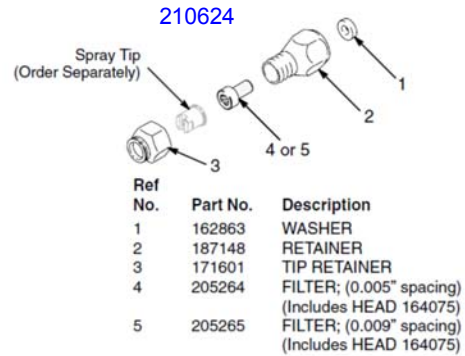
AUTOMATIC AIRLESS GUNS

Hydra Spray Guns

*This model is  certified



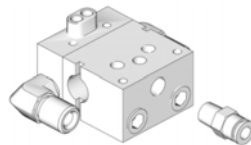
206513
207614
206887
948864



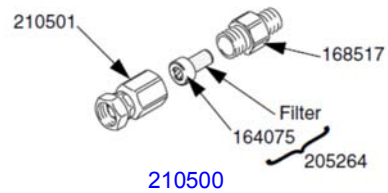
Automatic Airless Spray Guns



288048
288554



241161
241162
244930



Paint Spray Gun SST

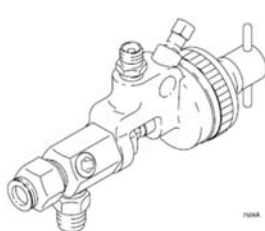
Bead Gun



238377



24G980



206660



238338



24G979

AUTOMATIC AIRLESS GUNS

Part No.	Description	Manual
Auto 210bar 1/4" NPSM 49°Cmax		
206513	Automatic Gun, 210 bar, SST, bare	Rep. Kit 747096
207614	Automatic Gun, 210 bar ,SST, bare, without Diffuser	Rep. Kit 747096
206887	Automatic Gun, 210 bar ,SST, housing chrome plate , PTFE	Rep. Kit 214841
948864	similar 206 887 but with air opened/closed, O-Ring Viton, packing PTFE, air- housing SST	Rep. Kit 214841
220251	Tip Guard standard	
XHD001	Tip Guard XHD	
Auto 280 bar 49°Cmax		
288048	Automatic Gun, 280 bar, SST , Standard tip, without assembly Manifold	Rep. Kit 288171
288554	Same like 288048 but for selant streaming applications	Rep. Kit 288171
	288195 Fluid Needle carbide ball / 241468 Fluid Needle plastic ball / 288196 seat	
241161	assembly Manifold, 1/4" NPS(M) inlet	
241162	assembly Manifold, JIC No. # 5 inlet	
244930	assembly Manifold, High Flow or temp. conditioned manifold	
198457	RTD Sensor, 100 ohm, 1/8 npt(m) with 3 pin Picofast connector	
198458	RTD cable, 6 ft. (1.83 m) Flex cable to St.Clair connector	
210500	Inlie Fluid Filter	
Auto 210bar Air1/4" NPT(F) Fluid3/8"NPT(F)		
238377	Automatic Gun, 210 bar, SST, orifice 4,57mm, without diffuser, with RAC5 without tip	Rep. kit 238339
24G980	Automatic Gun, 210 bar, SST, orifice 4,57mm, without diffuser, with RAC5 without tip double acting	
206660	Automatic Hydra Mastic Gun 210 bar, orifice 4,57mm, with diffuser	none rep kit
Bead Spray Gun 12bar Air 1/4" NPT(F) Bead connection 3/4" npt(F)		
238338	Automatic bead Gun with needle kit Ø 5,16 – 5,9 – 7,14 und 8,48 (mm)	Rep Kit 238340
24G979	Automatic bead gun double acting	Rep Kit 238340
239695	Wide Bead Deflector , 12 inc (30,5 cm)	

AIR-ASSISTED HAND & AUTOMATIC GUNS

G15 AA



24C853
24C854



Gasket 183616

Strainer 241804 (10p.)
0,009 to 0,011" orifice
150 Mesh

AAM xxx (Fine Finish tip)
GG4 xxx (Standard AA-tip)



24C855
24C856

G40 AA



24C857

RACX-Gasket (5p.)
Standard 246453
Acetal 248936

Fluid Filter
100Mesh 224453 (5p.)
60Mesh 238563 (3p.)



Filter Swivel
239394

G40 AA automatic



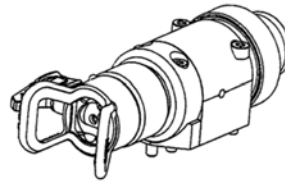
288044
288046



Gasket 183 616

Strainer 241804 (10p.)
0,009 to 0,011" orifice
150 Mesh

AAP xxx
(Standard AA-Precisions - tip)



288053

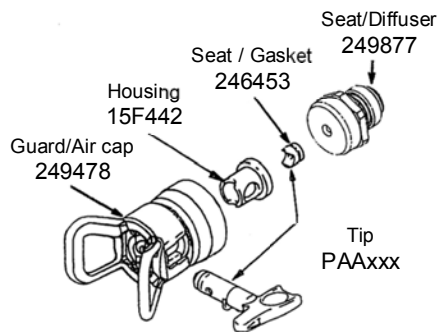
Gun AA30



257096
257380

G40 Conversion Kit

24C791 new G40 series 24Cxxx
(287917 for old G40)
nut 1 1/4" -18 UNEF-2B (f)
(Nozzle order separately)



Plug
15G713

288514/24C792
conversion kit

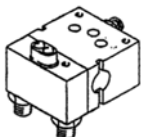


Clean tools

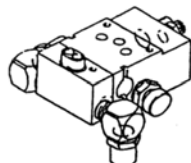


249598

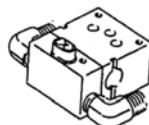
Manifold



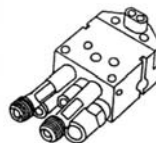
288221



288224



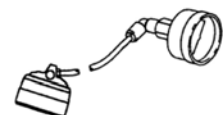
288217
288218



288160
288211



15F446



249140

AIR-ASSISTED HAND & AUTOMATIC GUNS

Part No.	Description	Manual
G15 AA Gun, 105bar ¼"npsm Fluid ¼"npsm Air		
24C853	G15 AA Gun , 105 bar with Carbide seat & ball, needle kit 24B790 seat kit 249456	3A0149
24C854	G15 AA Gun , 105 bar with SST ball and acetal seat, needle kit 24B789 seat kit 249424	

G40 AA Gun, 280bar ¼"npsm Fluid ¼"npsm Air		
24C855	G40 AA Hand Gun , standard nozzle, needle kit: 22B789	3A0149
24C856	G40 AA Hand Gun , with RAC-X, seat kit: 249422	
24C857	G40 AA Hand Gun , Hi-Flow, aircap seal kit: 253032	

G40 AA Gun, 280bar ¼"npsm Fluid ¼"npsm Air		
289604	G40 AA Hand Gun , with RAC-X, Needle/Seat kit: 255160	311937
ONLY CED	old G40 (with swivel valve) seal kit: 249422	

Accessories G15 AA Gun & G40 AA Gun

249180	Standard Air Cap G40			311001
24C866	Standard Air Cap, old G15	249596	Standard Air Cap, old G15	
289080	Air Cap Lacquer	253032	Air Cap Seal Kit	
288514	Conversion Kit, old G40, (313214)	287917	Conversion Kit, old G40,	
24C792	RAC-X to spray tip (AAM309)	24C791	Spray tip to RAC-X Tip	
	Conversion kit, new G40 (313214)		Conversion Kit, new G40,	
	RAC X to spray tip (AAM309)		Spray tip to RAC-X Tip	
249456	Trigger repair Kit	249423	Trigger Stop Kit	
224453	100Mesh Filter Tip (pkg of 5)	238563	60Mesh Filter Tip (pkg of 3)	
249598	Nozzle cleaning kit, 12 pieces Ø 0,14 mm	15F446	Universal gun tool	
101892	Gun Brush			
15C161	Gun Cleaning Kit	24C356	Fluid Fitting JIC Threads	
249473	Air Fitting Tubing Kit ¼ NPSM 9,5mm ID	238694	Fluid Ball Valve 3/8" 350bar (PEEK,PTFE)	
239394	Fluid Filter swivel	189018	Fluid Swivel Connector	
208536	Air Line Quick Disconnect Coupling	169967	Air Line Quick Disconnect Pin	
249135	Valve fan assembly, (Horn air regulator kit)	24C788	HVLP, verification, (Horn air control kit)	
246453	RAC X seals & gasket kit, 5 pieces			3A0149
248936	RAC X seals & gasket (orange) solvent resistant (seat 15A981, gasket 15E557)			

Auto-G40AA Gun 280bar ¼"npsm Fluid ¼"npsm Air		
288046	AA-G40 Automatic, 280 bar, standard tip AAP, carbide ball and seat Ø 1,6 mm	311052
288044	AA-G40 Automatic, 280 bar, standard tip AAP, SST ball, acetal seat Ø 1,6 mm	
288053	AA-Automatic, 280 bar, with AA-RACX and tip FFA or PAA, carbide ball and seat Ø 1,6 mm	

288221	Manifold for AA-Automatic-Gun, ¼" NPS(M) inlet, bottom	311052
288217	Manifold for AA-Automatic-Gun, ¼" NPS(M) inlet, side	
288218	Manifold for AA-Automatic-Gun, JIC No. #5 inlet ,side	
288224	Manifold for AA-Automatic-Gun, ¼" NPS(M) inlet , Horn air regulator valve	
288160	Manifold for AA-Automatic-Gun, ¼" NPS(M) inlet backside	
288211	Manifold for AA-Automatic-Gun, JIC No. #5 (½" –20UNF)	

Spray Tip for use with G15/G40

AAM Fine Finish Spray Tips

GG4 Industrial Spray Tips

AAF Fine Finish Pre-Orifice Spray Tips

(Air Cap 24C866 or 249180)

(high finish quality applications at low and medium pressures)

(high wear applications at high pressures)

(high finish quality applications)

Part No. AAMXXX

Part No. GG4XXX

Part No. AAFXXX

RAC SwitchTips, for use with G40 RAC (Air Cap 24A921)

PAA RAC X Spray Tips

FFT Fine Finish RAC Spray Tips

WRX WideRAC Spray Tips

Part No. PAAXXX

Part No. FFAXXX

Part No. WA12XX

AA30 Gun, 248bar ¼"npsm Fluid ¼"npsm Air		
257096	AA30 Gun , RAC-X Tip FFT210, Rep Kit 257526, Filter 288750 (100Mesh)	313347
257380	AA30 Gun , Flat Tip AAM 411, Rep Kit 257527, Filter 288750 (100Mesh)	
288749	Filter 50 Mesh 288750 Filter100 Mesh 256975 Filter 150 Mesh	
257783	Repair Kit AA30 with RAC Tip 257584 Repair Kit Manifold AA30 Gun with Flat Tip	313607
257521	Conversion Kit AA30 Gun, Flat tip to RAC-X Tip	

GUN ACCESSORIES

RAC TIP

Flat Tip



220255
220251
220249
220247

243161 RAC V, 246215 RAC X, XHD001
243263 RAC V, 246437 RAC X,
243470 RAC V, 246770 RAC X,

5x seal / gasket
RAC V - 243281
RAC X - 246453
RAC X - 248936 (solvent)
XHD - XHD010

RAC IV - yellow gasket 111025, 224082 (20x)
RAC IV - black gasket 108962, 222155 (20x)
RAC IV - gasket & seat 221176 (5x)

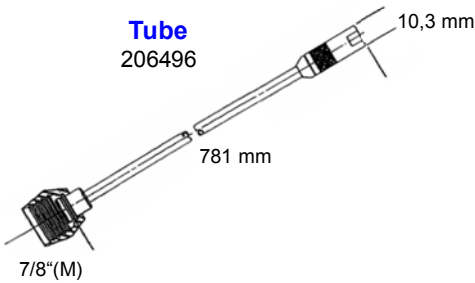


Special Nipple

181085 7/8" (M) - 11/16" (F)
181084 7/8" (M) - 3/4" (F)
6778610 7/8" (M) - M18x1 (F)
164120 7/8" (F) - 11/16" (M)

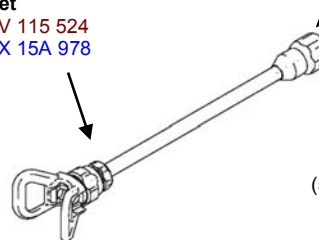
Tube

206496



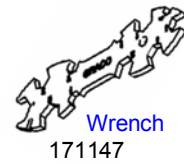
Extension Kit

Gasket
RAC V 115 524
RAC X 15A 978



old version
162863 PTFE
114049 brown

Gasket
15H622
(5x = 258017)



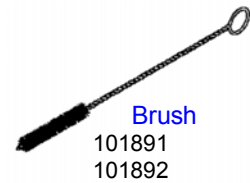
Wrench
171147

Air Atomizer Kit (without gun)



244052 with hose
244223

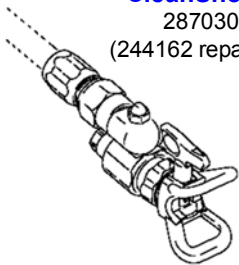
RAC V 243295 243296 243297 243298
RAC X 287019 287020 287021 287022
only tube 246294 (25cm) 246295 (38cm) 246296 (50cm) 246296 (75cm)



Brush
101891
101892

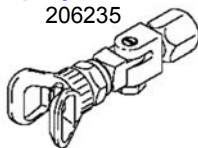
CleanShot™

287030
(244162 repair kit)



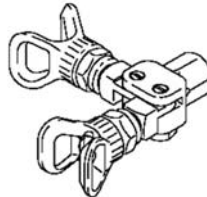
Directional Spray Nozzle

206235

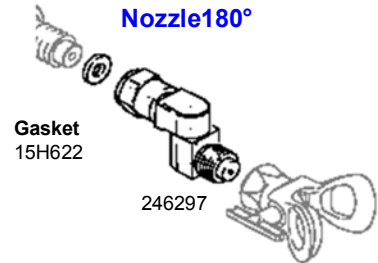


Dual swivel Head

206236



Nozzle 180°



Gasket
15H622

246297



208433

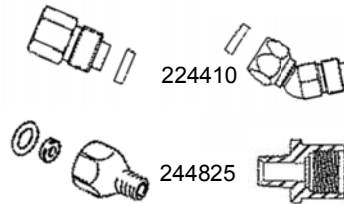
Thread:
3x 1/4" 18NPSM (M)



208432
208864 (SST)

Thread:
2x 1/4" 18NPSM (M)
1x 1/4" 18NPSM (F)

Adapter / Fitting



224410

224399

187177

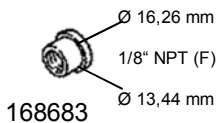


244825

167738

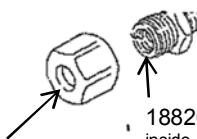


224398
198316 SST



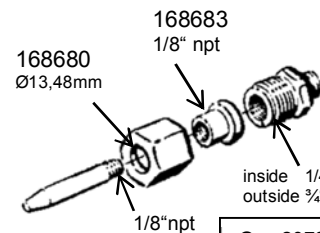
168683

188253
Ø13,89mm



188263
inside 1/4" NPT
outside 3/4" 16UNF 2A

Ultra-lite gun



168680
Ø13,48mm

168683
1/8" npt

1/8" npt

inside 1/4" NPT
outside 3/4" 16UNF 2A

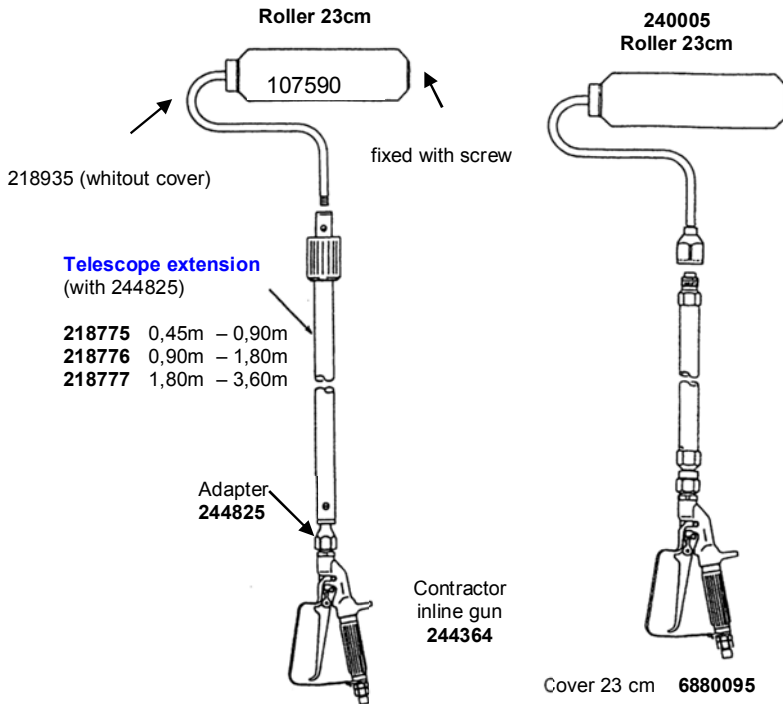
Gun 207945

GUN ACCESSORIES

Part No.	Description	manual
243161	RAC V, 7/8"(F) Guard, 280bar, for tips 262xxx, LL5xxx und TMXxxx	309055
243263	RAC V, 11/16"(F) Guard, 280bar, for tips 262xxx, LL5xxx und TMXxxx	
243470	RAC V, M18x1(F) (Böllhoff), for tips 262xxx, LL5xxx und TMXxxx	
243281	RAC V, seat and gasket kit 5 pieces (gasket 115524)	
246215	RAC X, 7/8"(F), 280 bar, for PRO PAA-, FFA- and WR-12xx (blue cap)	309640
246437	RAC X, 11/16"(F), 280 bar, for PRO PAA-, FFA- and WR-12xx (blue cap)	
246770	RAC X, M18 x 1(F), (Böllhoff),	310791
246453	RAC X, seat and gasket kit, 5 pieces, (seat 15A 981), (gasket 15A 978)	
248936	RAC X, seat and gasket kit, 5 pieces, (orange)-solvent resistant (seat 15A981 / gasket 15E557)	
XHD001	XHD RAC-, 7/8"-14 UNF-2B, Guard, 500 bar,	
XHD010	XHD, seat and gasket kit, 5 pieces, (seat & gasket can not ordered separately)	
176161	Seal, GHD-RAC (old)	307991
176167	Gasket, GHD-RAC (old)	307991
171601	Nut retainer 11/16", without guard,	
171602	Nut retainer 7/8", without guard,	
220255	Guard 11/16" 16 UNF-2B, 350 bar, for 163/269 standard tips, incl. gasket 166969	
220251	Guard 7/8"-14 UNF-2B, 350 bar, for 163/269 standard tips, incl. gasket 166969	
220249	Guard 11/16" 16 UNF-2B, 250 bar, for FF163 tips, incl. gasket 166969	
220247	Guard 7/8"-14 UNF-2B, 250 bar, for FF163 tips, incl. gasket 166969	
166969	RAC gasket, thinly 1,6mm 25 pieces Part no. 223373	308236
162863	RAC gasket, thick, 3,2mm 25 pieces Part no. 223374	
101891	Brush, nylon, Ø 9mm	308236
101892	Brush, nylon, Ø 15,9mm	
287030	Clean shot off valve/head, RAC X, 7/8"-14 UNF-2B, tip 517, fluid pressure opened by ca. 48 bar	309642
	Gasket 15H622, O-ring 107505	
246297	Nozzle 7/8"(F) x 7/8"(M), 180 °	309853
206235	Directional spray nozzle, 7/8" (F) / 11/16"(M), without tip, with strainer 0,23mm ≈ 60 Mesh	306788
206236	Dual swivel head, 7/8"(F) / (2x) 11/16"(M), without tip, with strainer 0,23mm ≈ 60 Mesh	
615767	Nut retaining 7/8"(F) for connecting an extrusion tip 161505 1/8" NPT(M) to a airless gun with bushing nozzle 168683 1/8" NPT(FI)	308987
181085	Adapter, 7/8"(M) x 11/16"(F) montage RAC to competition like Wagner, Aro, Binks 43, Rexon	
181084	Adapter, 7/8"(M) x 3/4" 20 UNEF-2B (F), for Binks	
6778610	Adapter, 7/8"(M) x M18 x 1 (F), for Atlas Copco, Iwata, Kopperschmidt / Böllhoff	
164120	Adapter, 7/8"(F) x 11/16" (M), Wagner extension to Graco Gun	
167738	Adapter 7/8"(F) x 3/8"NPT(M)	306715
187177	Adapter 7/8"(M) x 1/2"-20 UNF-2B(M)	
198316	Adapter 7/8"(F) x 1/8"NPT(F) SST, 1.4005, without gasket	
218932	Adapter 7/8"(F) x 1/4"NPT(M) 45°, with gasket	
224398	Adapter 7/8"(F) x 1/8" NPT(F), with gasket	
224399	Adapter 7/8"(F) x 7/8"(M) 45°, with gasket	
224410	Adapter 7/8"(M) x 1/4"NPT(F) max 350 bar, with gasket	
244825	Adapter 7/8"(F) x 1/4"NPT(M) with gasket and O-Ring	
168683	Sealer bushing nozzle, (zinc plated)	308987
188253	Nut retainer 3/4"-16 UNF-2B, Ultra-Lite gun 4000/6000	308253
168680	Nut retainer 3/4"-16 UNF-2B, extrusion gun (207945)	307004
243295	Extension 25 cm, RAC V ,without tip, incl. gasket 162863 & O-Ring 114049, max 279 bar,	
243296	Extension 38 cm, RAC V ,without tip, incl. gasket 162863 & O-Ring 114049, max 279 bar,	
243297	Extension 50 cm, RAC V ,without tip, incl. gasket 162863 & O-Ring 114049, max 279 bar,	
243298	Extension 75 cm, RAC V ,without tip, incl. gasket 162863 & O-Ring 114049, max 279 bar,	
287019	Extension 25 cm, RAC X without tip, incl. gasket 162863 & O-Ring 114049, max 279 bar,	
287020	Extension 38 cm, RAC X without tip, incl. gasket 162863 & O-Ring 114049, max 279 bar,	
287021	Extension 50 cm, RAC X without tip, incl. gasket 162863 & O-Ring 114049, max 279 bar,	
287022	Extension 75 cm, RAC X without tip, incl. gasket 162863 & O-Ring 114049, max 279 bar,	
246294	Extension 25 cm, incl. gasket 162863 & O-Ring 114049, max 500 bar,	309523
246295	Extension 38 cm, incl. gasket 162863 & O-Ring 114049, max 500 bar,	
246296	Extension 50 cm, incl. gasket 162863 & O-Ring 114049, max 500 bar,	
6711181	Tip cleaning kit (12 pieces), size 10	
098017	Tip cleaning kit (12 pieces), size 12	
208433	Adapter for refitting for circulation system, 1 x 1/4" NPS(F), 2 x 1/4" NPS(M),	308692
208432	Adapter for refitting for circulation system, 1 x 1/4" NPS(M), 2 x 1/4" NPS(M),	
239864	Adapter for refitting for circulation system, 1 x 1/4" NPS(M), 2 x 1/4" NPS(M), SST	
244052	Air Atomizer (for Texture-Gun 241705) with 3/8", 15 m air hose, tip 116190 Ø 2,8mm 65°	309272
244223	Air Atomizer (for Texture-Gun 241705) without air hose, tip 116190 Ø 2,8mm 65°	
206496	Tube, 780mm, spin nozzle 10,3mm used for e.g. wax	

PAINT ROLLERS AND EXTENSIONS

Geosperse – Roller is fixed with screws for all applications



Roller complete 0,45- 0,90m **098085**
Roller complete 0,90- 1,80m **098084**

Frame work roller, complete **098085**

incl. gun (244364)
incl. telescope (218775)
incl. geosperse (218935)
incl. cover 23cm (107590)

Swivel



Room roller, complete **098084**

incl. gun (244364)
incl. telescope (218776)
incl. geosperse (218935)
incl. cover 23cm (107590)

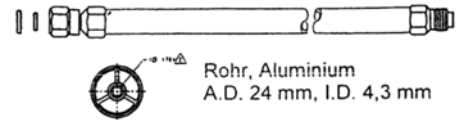
Paint roller , complete **6880095**

incl. gun (244364)
incl. telescope 25cm (232121)
incl. geosperse (240005)
incl. cover 23cm (107590)

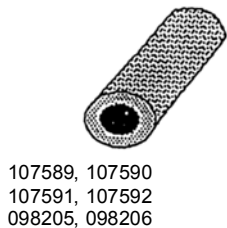
Extension for cover or spray

Gasket **162863** and O-ring **114049** are incl.

232121 25cm
232122 50cm
232123 100cm
232124 150cm
232125 200cm



Cover



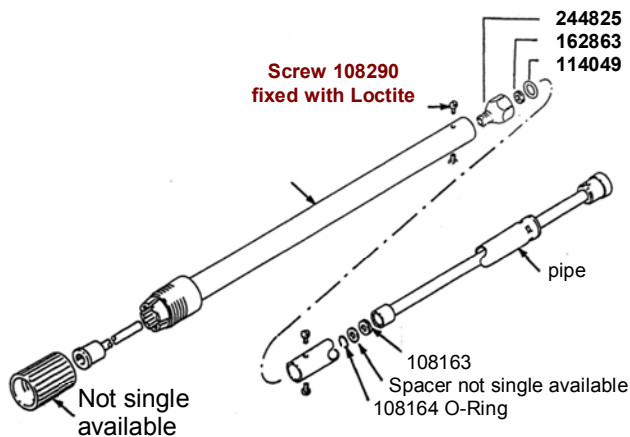
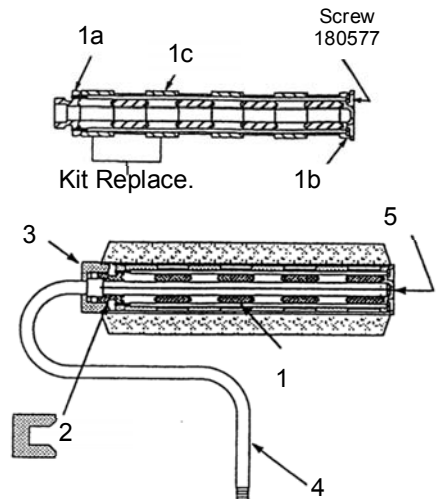
Frame & Diffuser, 23cm wide, 1/8" NPT(M)

Model 218 935 included:

Pos.	Part N°	Description	Qty:
1	218943	Kit Replacement	1
1a	275643	End cap inside	1
1b	275645	End cap outside	1
1c	275673	Diffuser segment	8
2	108808	U-Packing	1
3	183420	Nut retaining	1
4	218582	Frame	1
5	101983	Screw	1

Model 240005 included parts above and:

192637	Nut retaining 7/8"-14UNF (f)
192638	Fitting 1/8" NPT (f)
162863	Gasket
114049	O-Ring



PAINT ROLLERS AND EXTENSIONS

Geospere – Roller is fixed with screws for all applications

Part No.	Description	Manual
	PAINT ROLLER TELESCOPIC	
098084	Power Roller, 90cm to 180cm, Paint roller 098206, 20 mm, Contractor inline gun 244364	
098085	Power Roller, 45cm to 90cm, Paint roller 098206, 20 mm, Contractor inline gun 244364	
	PAINT ROLLER – FIXED EXTENSION	
6880095	Paint roller , 25cm extension, Contractor inline gun, Paint roller 098205	
	PAINT ROLLER	
107589	Paint roller, 23cm wide, 9,5mm, Synthetic-Floor	309321
107590	Paint roller, 23cm wide, 12mm, Synthetic-Floor	
107591	Paint roller, 23cm wide, 19mm, Synthetic-Floor	
107592	Paint roller, 23cm wide, 32mm, Synthetic-Floor	
098205	Paint roller, 23cm wide, 14mm, Floor, padded	
098206	Paint roller, 23cm wide, 20mm, Floor, padded	
108402	Paint roller 8cm wide 12mm Synthetic-Floor	307755
186944	Paint roller 30cm wide 12mm Synthetic-Floor	
186945	Paint roller 30cm wide 19mm Synthetic-Floor	
186946	Paint roller 30cm wide 32mm Synthetic-Floor	
240054	Paint roller-Frame and diffuser 8cm wide, 7/8" –14 UNF(f) only diffuser 220233, U-cup 108808	308830
240005	Paint roller-Frame and diffuser 23cm wide, 7/8"–14 UNF(f) only diffuser 218943 U-cup 108808	
218935	Paint roller-Frame and diffuser, 23cm, 1/8" NPT(M),only diffuser 218943 U-cup 108808,for telescope	307755
224268	Paint roller-Frame, similar 218935 but 30cm wide	
232121	extension 25cm, for spray or rolling, inlet 7/8" – 14 UNF(F), out. 7/8"–14 UNF(F)	308824
232122	extension 50cm, for spray or rolling	308824
232123	extension 100cm, for spray or rolling	308824
232124	extension 150cm, for spray or rolling	308824
232125	extension 200cm, for spray or rolling	308824
244825	Adapter 7/8" – 14(F) x 1/4" NPT(M), incl. gasket 162 863 u. O-ring 114049	309321
114049	O-Ring between roller and fix-extension	307713
162863	Gasket between roller 240005 and fix-extension	
224399	45° swivel 7/8"(F) x 7/8"(M)	
224410	Adapter 7/8" – 14 (M) x 1/4"NPT(F) to fix extension to gun 220229	
244364	Contactor I-Line gun 1/4" inlet, outlet 7/8" – 14 UNF – 2b	309237
	TELESCOPIC EXTENSION max 21 bar	
218775	Telescope extension 45-90 cm, incl. 244825, inlet 7/8" – 14 UNF(F), outlet 1/8" NPT(F)	309321
218776	Telescope extension 90-180 cm, incl. 244825, inlet 7/8" – 14 UNF(F), outlet 1/8" NPT(F)	309321
218777	Telescope extension 180-360 cm, incl. 244825, inlet 7/8" – 14 UNF(F), outlet 1/8" NPT(F)	307713
	SPRAY EXTENSION max 279 bar	
287019	Spray extension 25 cm with RAC X, without tip	
287020	Spray extension 38 cm with RAC X, without tip	
287021	Spray extension 50 cm with RAC X, without tip	
287022	Spray extension 75 cm with RAC X, without tip	

PAINT ROLLERS AND EXTENSIONS

Cover with quick change clamp

Contractor In-line
244364



Airless Gun

224 399
Swivel 7/8"
(M & F)



244623



Complete with gun

Pressure roller cover

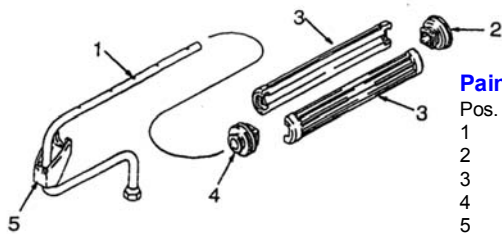


107589 (10 mm)
107590 (12 mm)
107591 (19 mm)
107592 (32 mm)



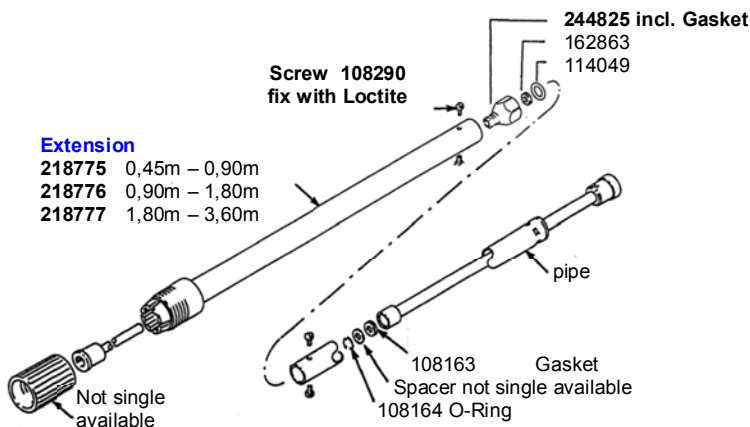
Extension RAC X

287019 (25 cm)
287020 (40 cm)
287021 (50 cm)
287022 (75 cm)



Paint roller – 23cm

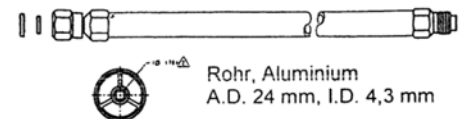
Pos.	Part-No	Description	Qty.
1		Frame	1
2	245999	End cap	1
3	15B065	Diffuser	2
4	246277	Inlet cap	1
5	197106	clamp	1



Extension for rolling or spraying

Gasket 162863 and O-ring 114049 are incl.

232121 25cm
232122 50cm
232123 100cm
232124 150cm
232125 200cm



Rohr, Aluminium
A.D. 24 mm, I.D. 4,3 mm

COVER AND EXTENSION

Cover with Quick Connect clamp

Part No.	Description	Manual
	Paint pressure roller TELESCOPIC	
244281	Scaffold roller 45 to 90 cm, for paint roller 107590, 12 mm without gun	
	Paint roller fixed extension	
245397	Paint roller with 50 cm extension , Contractor Inline (244364) gun, paint roller 107590	309445
244279	Paint roller with 50 cm extension, 7/8"(F) , for connecting to airless gun, without gun	309323
	Paint Roller +	
107589	Paint roller, 23 cm wide, 9,5 mm, Synthetic-Floor	309321
107590	Paint roller, 23 cm wide, 12 mm, Synthetic-Floor	
107591	Paint roller, 23 cm wide, 19 mm, Synthetic-Floor	
107592	Paint roller, 23 cm wide, 32 mm, Synthetic-Floor	
098205	Paint roller, 23 cm wide, 14 mm, Floor, padded	
098206	Paint roller, 23 cm wide, 20 mm, Floor, padded	
244623	Paint roller incl. Frame, Diffuser and paint roller (107590) 23 cm, 1/8" NPT(M), for telescope 232xxx	309322
244271	Paint roller similar 244623 but with tread 7/8"-14 UNF(M)	
232121	Extension 25 cm, to spray or roll, inlet 7/8" – 14 UNF(F), outlet 7/8"-14 UNF(M)	308824
232122	Extension 50 cm, to spray or roll, inlet 7/8" – 14 UNF(F), outlet 7/8"-14 UNF(M)	308824
232123	Extension 100 cm, to spray or roll, inlet 7/8" – 14 UNF(F), outlet 7/8"-14 UNF(M)	308824
232124	Extension 150 cm, to spray or roll, inlet 7/8" – 14 UNF(F), outlet 7/8"-14 UNF(M)	308824
232125	Extension 200 cm, to spray or roll, inlet 7/8" – 14 UNF(F), outlet 7/8"-14 UNF(M)	308824
240010	Swivel 7/8"(M) x 7/8"(F) for connecting of two extensions max. length 7,20 m	308824
244825	Adapter 7/8" – 14(F) x 1/4" NPT(M), incl. gasket 162863 and O-Ring 114049	309321
114049	O-Ring between roller and fix extension	307713
162863	Gasket between roller 240005 and fix extension	
224399	45° swivel 7/8"(F) x 7/8"(M)	
224410	Adapter 7/8" – 14 (M) x 1/4"NPT(F) to install extension to gun 220229	
244364	Contactor Inline gun 1/4" inlet, outlet 7/8" – 14 UNF – 2b	309237
	TELESCOPIC EXTENSION max 21 bar	
218775	Telescope 45- 90cm, incl.244825, inlet 7/8" – 14 UNF(F), outlet 1/8" NPT(F)	309321
218776	Telescope 90-180cm, incl.244825, inlet 7/8" – 14 UNF(F), outlet 1/8" NPT(F)	309321
218777	Telescope 180-360cm, incl.244825, inlet 7/8" – 14 UNF(F), outlet 1/8" NPT(F)	307713
	SPRAY EXTENSION max 279 bar	
287019	Spraying extension 25cm with RAC X, without tip	
287020	Spraying extension 38cm with RAC X, without tip	
287021	Spraying extension 50cm with RAC X, without tip	
287022	Spraying extension 75cm with RAC X, without tip	

PNEUMATIC SEALANT GUN



C27098

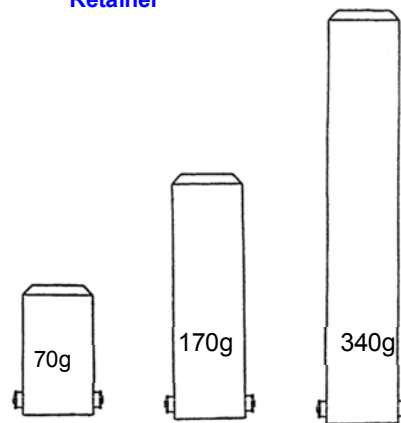
Part No.	Description	Manual
C27098	Gun with handle for Standard 285 gr/310 cm ³ cartouche and 3 m air hose	309162

Gun with handle



C04090

Retainer



C04077

C04091

C04069

Gun without handle

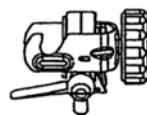
C04087



Part No.	Description	Manual
C04076	Gun with handle for 70 gr. polyethylene cartouche	309968
C04090	Gun with handle for 170 gr. polyethylene cartouche	
C04068	Gun with handle for 340 gr. polyethylene cartouche	
C04087	Gun, Palm Grip without handle for 170 gr. polyethylene cartouche	
C04077	Retainer 70 gr.	
C04091	Retainer 170 gr.	
C04069	Retainer 340 gr.	
C04093	Gun Body (Palm Grip)	
C04079	Handle	



Handle
C04079



Gun body
C04093

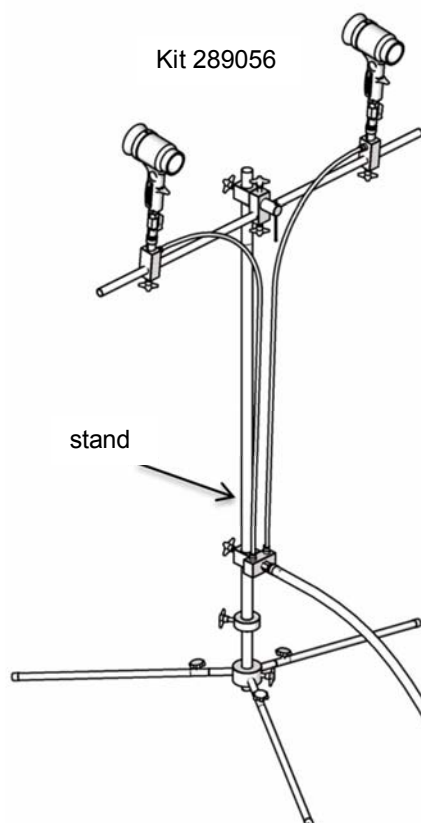
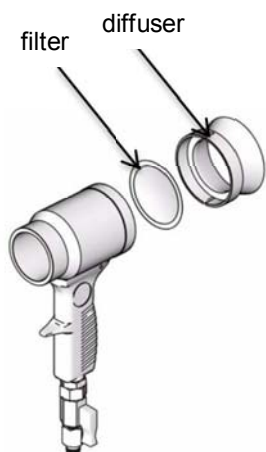
AIR DRYING GUN



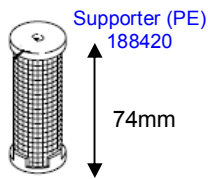
Part No.	Description	Manual
289054	Air drying gun, working pressure 0.7-4 bar	313434
289056	2 air drying guns + stand	313434

Accessories

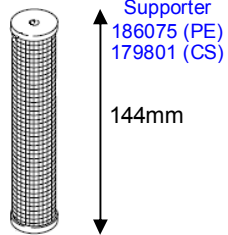
289055	Stand drying gun
289057	Filters (kit of 5)
289058	Diffuser



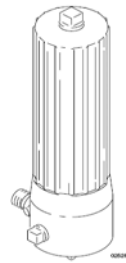
FLUID FILTERS AND ACCESSORIES



236495 2x30Mesh
236496 2x60Mesh
236497 2x100Mesh
236498 2x200Mesh



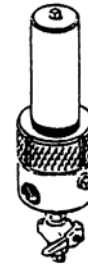
224458 2x30Mesh
224459 2x60Mesh
224468 2x100Mesh
224469 2x200Mesh



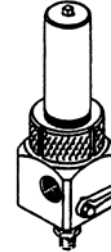
214570 (Alu)



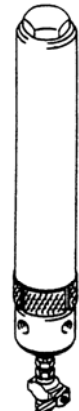
218029 (CS)
223160 (SST)
238782 (SST)
240183 (SST)



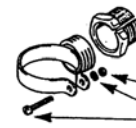
238620
237069



214724

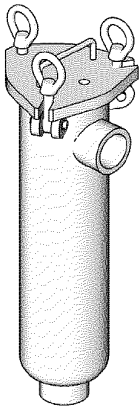


238623
214726

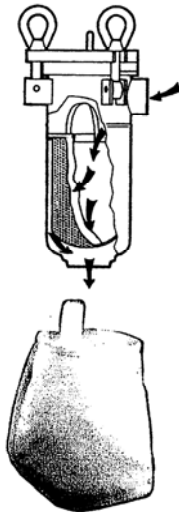


238630

Bag Filter



915515 Model 6
915516 Model 6
915517 Model 12
915518 Model 12
916367 Model 12 (sanitary)

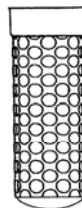


521227
521229
521231
521233

Gasket



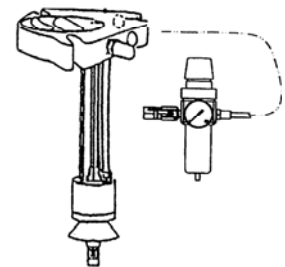
521691



Strainer basket, SST,
Perforated
3,57 mm orifice.
521268, model 6
521276, model 12
Nylon bag order separately

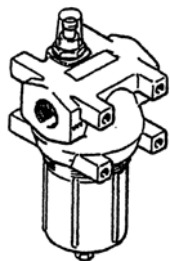


Strainer basket, SST
integrated strainer
Mod.6 Mod.12
521271, 521279, 75 micron
521272, 521280, 100 micron
521273, 521281, 150 micron



916100

Red Alert Filter without element

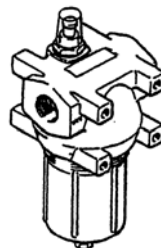


214002
102929
214001
104435



108106, 108110
108111, 108114
108116, 108119

Red Alert Filter with elements



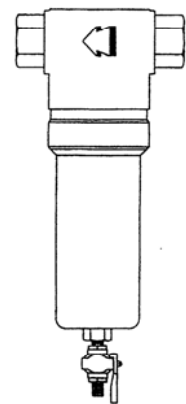
207994 207998
207995 207999
207996 208000
207997



244053



915700

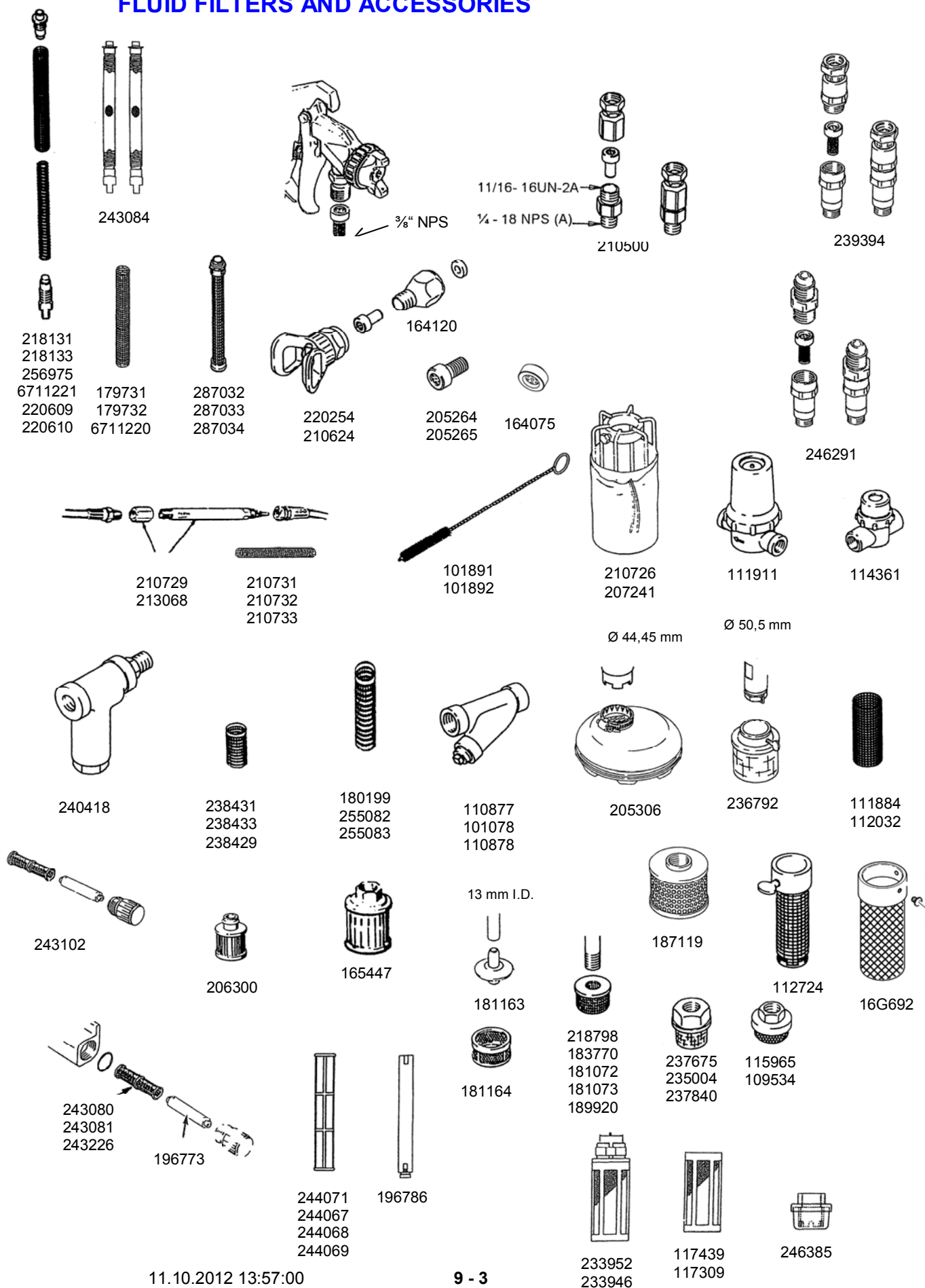


C58997

FLUID FILTERS AND ACCESSORIES

Part No.	Description	Manual
236495	Filter inlet, 590 micron (30 mesh), 2 pieces (238444 = 25 pieces)	307273
236496	Filter inlet, 250 micron (60 mesh), 2 pieces, (238446 = 25 pieces)	
236497	Filter inlet, 149 micron (100 mesh), 2 pieces, (238448 = 25 pieces)	
236498	Filter inlet, 74 micron (200 mesh), 2 pieces, (238450 = 25 pieces)	
223160	Filter, SST, 350 bar, strainer 60 Mesh, 116 cm² filter area, 3/8" inlet, 1/4" outlet, Ø 6,45	307273
238782	Filter, SST, 350 bar, strainer 30 Mesh, 116 cm² filter area 3/8" inlet, 3/8" outlet 2 x, Ø 6,45	
240183	Filter, SST, 350 bar, strainer 60 Mesh, 116 cm² filter area 1/2" inlet, 1/2" outlet 4 x, Ø 6,45	
218029	Filter, CS, 350 bar, strainer 60 Mesh, 116 cm² filter area, 3/8" inlet, 1/4" outlet, Ø 6,45	
214570	Filter, Alu, 210 bar, strainer 60 Mesh, 116 cm² filter area, 3/8" inlet, 1/4" outlet, Ø 6,45	
224458	Filter inlet, 590 micron (30 mesh), 2 pieces, (238436 = 25 pieces)	
224459	Filter inlet, 250 micron (60 mesh), 2 pieces, (238438 = 25 pieces)	
224468	Filter inlet, 149 micron (100 mesh), 2 pieces, (238440 = 25 pieces)	
224469	Filter inlet, 74 micron (200 mesh), 2 pieces, (238442 = 25 pieces)	
186075	Standard support PE, option support metal 179801 (CS zinc plated)	
238623	High pressure surge tank and filter 350 bar, round block 60 mesh	307296
214726	High pressure surge tank and filter 350 bar, square block	
238620	Filter 3/4" with manifold, 350 bar, round block 60 mesh	307296
237069	Filter 3/4" with manifold, 510 bar, round block 60 mesh	
214724	Filter 3/4" with manifold, 350 bar, square block, cover assembly, 60 mesh	
238630	Clamp for holding the surge tank (without locking screw)	307296
915515	Standard filter, max 21 bar for circulation systems, model 6, in - out 1-1/4"npt(f)	311775 EU 193
915516	SST filter, max 21 bar for circulation systems, model 6, in - out 1-1/4"npt(f) both model with filter bag 5 to 300 micron, volume 1,6 L, (Gasket 521691)	
915517	Standard filter, max 21 bar for circulation systems, model 12, in-out 1-1/2"npt(f)	
915518	SST filter, max 21 bar for circulation systems, model 12, in-out 1-1/2"npt(f) Both model with filter bag 5 to 300 micron, volume 1,6 L, (Gasket 521691)	
521227	Nylon bag single layer, 10 micron, for model 6, 521255 for model 12,	
521229	Nylon bag single layer, 50 micron, for model 6, 521257 for model 12,	
521231	Nylon bag single layer, 100 micron, for model 6, 521259 for model 12,	
521233	Nylon bag single layer, 150 micron, for model 6, 521261 for model 12,	
521691	O-Ring Viton, PTFE covered for bag filter 915 515/915 518	
916100	TF 200 vibrations filter set, fit to filter housing model 12	308046
214001	"Red-Alert" Filter, Alu, 3/4", 21bar, 22 L/min, 230cm², filter area, without strainer, drain 1/4" NPT(f)	307282
104435	"Red-Alert" Filter, Alu, 3/4", 210bar, 38 L/min, 230cm², filter area, without strainer, drain 3/4"-16 UNF	307252
214002	"Red-Alert" Filter, Alu, 1 1/4", 21bar, 76 L/min, 1450cm², filter area, without strainer, drain 3/4" NPT(f)	307283
102929	"Red-Alert" Filter, Alu, 1 1/4", 210bar, 76 L/min, 1450cm², filter area, without strainer, drain 3/4"-16UNF	306987
207994	"Red-Alert" Filter, Alu, 1 1/4", 210bar, 1450cm² filter area, with 30 mesh element, drain 3/4"-16UNF	306987
207995	"Red-Alert" Filter, Alu, 1 1/4", 210bar, 1450cm² filter area, with 60 mesh element, drain 3/4"-16UNF	
207996	"Red-Alert" Filter, Alu, 1 1/4", 210bar, 1450cm² filter area, with 100 mesh element, drain 3/4"-16UNF	
207997	"Red-Alert" Filter, Alu, 1 1/4", 210bar, 1450cm² filter area, with 150 mesh element, drain 3/4"-16UNF	
207998	"Red-Alert" Filter, Alu, 1 1/4", 210bar, 1450cm² filter area, with 200 mesh element, drain 3/4"-16UNF	
207999	"Red-Alert" Filter, Alu, 1 1/4", 210bar, 425cm² filter area, with 1 mm stab point element, drain 3/4"-16UNF	
208000	"Red-Alert" Filter, Alu, 1 1/4", 210bar, 425cm² filter area, with 1.3 mm stab point element, drain 3/4"-16UNF	
All filters for Mastic-Sealers 23L/min and for Paints 75L/min		
For filter "Red-Alert" 214001		
108106	Filter strainer, 30 mesh	108107
108107	Filter strainer, 60 mesh	108108
108109	Filter strainer, 30 mesh	108110
108110	Filter strainer, 200 mesh	
For filter "Red-Alert" 214002 and 102929		
108111	Filter strainer, 30 mesh	108112
108112	Filter strainer, 60 mesh	108113
108113	Filter strainer, 100 mesh	
108115	Filter strainer, 150 mesh	108114
108114	Filter strainer, 200 mesh	
Only for filter 102929		108119
		1,0mm square orifice
		108120
		1,3mm square orifice
For filter "Red-Alert" 104435		
108116	Filter strainer, 60 mesh	108 117
108 117	Filter strainer, 100 mesh	108 118
108 118	Filter strainer, 200 mesh	
915700	Fluid filter, SST, 35 bar, for gun dispensing, without strainer, 3/8" NPT(f) inlet and outlet strainer 25 micron 521898, strainer 75 micron 521900, strainer 125 micron 521902 strainer 50 micron 521899, strainer 100 micron 521901, strainer 150 micron 521903 strainer 250 micron 515345, seal = O-ring Viton, PTFE covered 521897	
244053	Fluid filter, SST, 21 bar, in- outlet 3/4" NPT(f) 60 mesh, for other strainer please look in manual	308918
C58997	Filter (incl. strainer 515222) mastic, 420 bar, 1 1/2" (f) (ca19 Kg), (repl. o-ring wet cup) 116586	
C59547	Filterbank, filter (C58997), valve (2 pcs), gauge (2 pcs), 1" NPT(fbe)	
515222	Strainer 590 micron (30 mesh)	
515221	Strainer 420 micron (40mesh)	
515220	Strainer 297 micron (50 mesh)	
515219	Strainer 250 micron (60 mesh)	
516715	Strainer (Stab Point) perforated orifice 1,02 mm	
515224	Strainer (Stab Point) perforated orifice 1,5 - 1,65 mm	

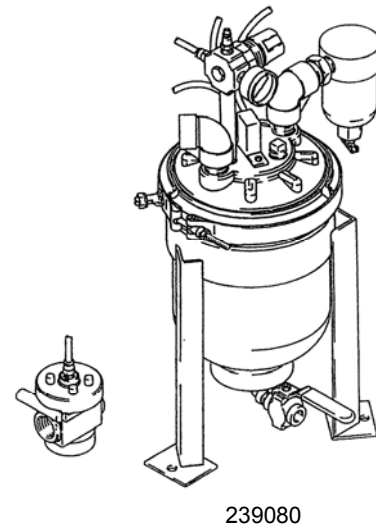
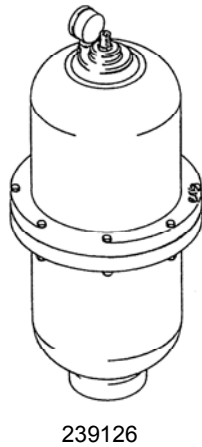
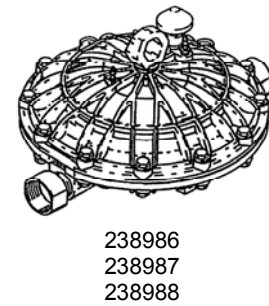
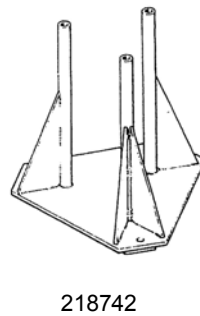
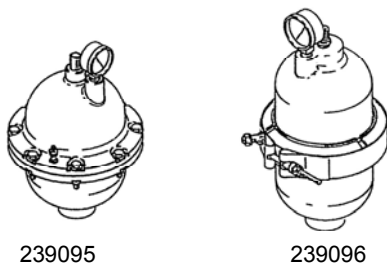
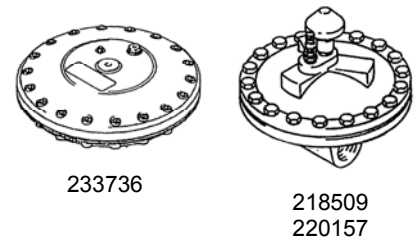
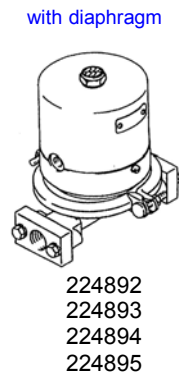
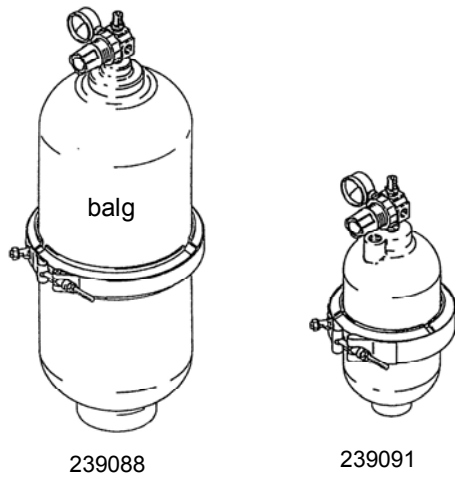
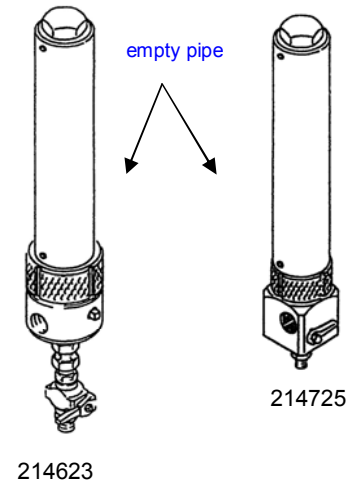
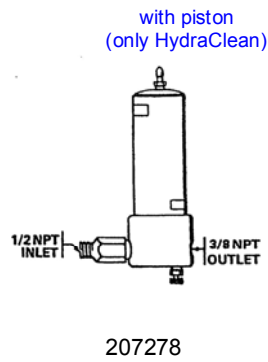
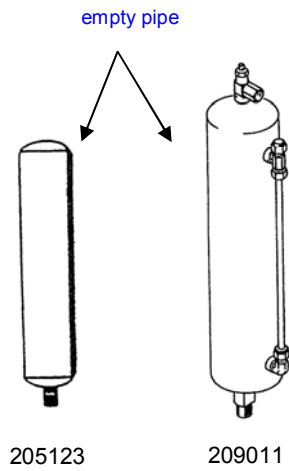
FLUID FILTERS AND ACCESSORIES



FLUID FILTERS AND ACCESSORIES

Part No.	Name	Manual
218131	Filter kit, standard, 50 mesh strainer (blue) 249197 = qty 25 for contractor gun	309091
218133	Filter kit, standard, 100 mesh strainer (orange), 249198 = qty 25 for contractor gun	309237
256975	Filter kit, 150 mesh (red) for contractor gun	
6711221	Filter kit, with 200 mesh strainer (blue)	307614
243084	Filter kit, with 1x 50 mesh strainer (blue) and 1x 100 mesh strainer (orange) for SG2&SG3	309045
179731	Filter strainer, 50 mesh, 250 micron, 224455 = qty 2	309097
179732	Filter strainer, 100 mesh, 149 micron, 224456 = qty 2	307614
6711220	Filter strainer, 200 mesh, 74 micron,	
287032	Filter strainer, 60 mesh, black, 249199 = qty 25 for Contractor II, XTR 7 and FTX II gun	309639
287033	Filter strainer, 100 mesh, blue, 249200 = qty 25 for Contractor II, XTR 7 and FTX II gun	310743
287034	Filter strainer with 1x 60 mesh and 1x 100 mesh for Contractor II, XTR 7 and FTX II gun	
220254	Inline filter kit, 60-100 mesh, Sp. filter	307248
210624	Inline filter kit, but without protective cap	306815
164120	Edge filter housing (f) ¾"– 14 UNF – 2B x (A) 11/16"– UN – 2A	306815
205264	Edge filter, 0.13 mm, for 210500, 210624 and 220254 238561 =qty 3, 224453 =qty 5	
205265	Edge filter, 0.23 mm, for 210500, 210624 and 220254 238563 =qty 3, 224454 =qty 5	
164075	Edge filter head, individual, nylon	
210500	Hose filter, 424 bar, filter insert, standard 205264	
239394	Hose filter/swivel, 400 bar, incl. edge filter 205264, ¼"NPS(M) x ¼"NPS(f)	
246291	Hose filter/swivel, 510 bar, incl. filter 205264, ¼"NPS(M) x ½" UNEF	
240418	Filter, ¾"NPT(f) 103 bar standard strainer, 60 mesh qty 3 = 238431, qty 25 = 238432 40 mesh qty 3 = 238433, qty 25 = 238434, 100 mesh qty 3 = 238 429	306655
110877	Y filter, ½" NPT(f), 28 bar standard, 20 mesh strainer no. 110 906	
101078	Y filter, ¾" NPT(f), 35 bar standard, 20 mesh standard no. 180 199, seal strainer plug 187 758	
110878	Y filter, 1" NPT(f), 28 bar standard, 20 mesh strainer no. 110 907	
210726	Suction filter reuse, drum tube Ø to maximum 3.3 cm	
207241	Suction filter reuse, drum tube Ø to maximum 2.13 cm ½"	
238769	Kit (qty 25) filter bag for 210 726, 60 mesh, 250 micron, nylon bag wide 114, high 203	
206300	Suction filter (plastic), Hydra-Clean	
115965	Suction strainer, ¾" NPT(f) 1680 micron (12 mesh) 304 SST/nylon	309304
109534	Suction strainer, ¾" NPT(f) 841 micron (20 mesh) 304 SST/nylon	306817
218798	Suction strainer ½", 16 mesh, Triton 308, PT 2500, 304 SST	308229
181073	Suction strainer, ½" NPT(f) 16 mesh, EM380/480, Ultra 500, 304 SST/nylon	308854
183770	Suction strainer, ¾", 16 mesh, 495 ST mobile, Line-Lazer 3000, 3500, Ultra 500, 304 SST/nylon	
246385	Suction strainer ¾"-14UNF(f), (12 mesh) 304 SST/nylon 395/495 ST, max, ideal suction depth	
181072	Suction strainer, 1" NPS(f), 16 mesh, U-Max 795/1095/1595/u.1000/1500, EM-5000, 304 SST	
189920	Suction strainer, 1" NPT(f) 8 mesh, Mark V, GM-7000, 304 SST/nylon	
237675	Suction strainer, ½" NPT(f) 12 mesh, GM-3000, 304 SST/nylon	
235004	Suction strainer, ¾"-16UNF, 12 mesh, 290 Easy, 395 ST, 495 ST, 304 SST/nylon	
237840	Suction strainer, 1 ¼" NPT(f), 8 mesh, 2380 micron, GM-10000	
187119	Suction strainer, 1 ½" NPT(f), (Stab Point), perforates orifice 9.4 mm, steel, filter Ø 127 mm	
236792	Suction filter, Texspray Mark V, 12 mesh contains thumb screw 100 220	308263
112724	Suction filter, suction tube Ø 27 mm (order separate clamping screw 100 220), 10 mesh	308415
16G692	Suction strainer tube Ø 42.9 mm (order separate screw 125320), 10 mesh, 304 stainless steel	
233952	Suction filter with strainer 1.0 mm, I.D. Ø 22 mm – I.D. Ø 28 mm = Mod. 77647020004	
233946	Suction filter with strainer 1.8 mm, I.D. Ø 22 mm – I.D. Ø 28 mm = Mod. 77647020005	309463
117439	Strainer, 1.0 mm mesh for 233952 and 77647020004	
117309	Strainer, 1.8 mm mesh for 233946 and 77647020005	
205306	Suction filter (submersible pump), standard 100 mesh standard no. 162362, 149 micron 50 mesh strainer no. 162746, 297 micron	306706
165447	Suction filter, 1" NPS(f), Hydra Clean	306845
181163	Filter housing, nylon, fits in nylon hose 13 mm ID (Husky 307)	
181164	Inlet filter strainer, nylon, fits on 181163	308822
210729	Hose filter, 210 bar, 60 mesh with 0.9 m whip end hose	
213068	Hose filter, 210 bar, 60 mesh without whip end hose (only fits safety flex hose)	307245
210731	Filter strainer, kit 3, 60 mesh – 210732 set of 3, 100 mesh – 210733 set of 3, 200 mesh	
191386	Gun filter housing, bare, possibly edge filter 205264, ¾"NPS(f) x ¾"NPS(M)	
111911	Tank/filter, ¾" NPT(f) nylon, 841 micron (20 mesh) strainer tank seal standard 193133	308821
112035	EDPM, orange, 193133, polyethylene white	
111884	Filter strainer, 841 micron (112032 = 149 micron) for 111911	
114361	Filter, 52 mm high, ¾" NPT(f) nylon, 177 micron (80 mesh) seal 193132, polyethylene	308821
101891	Cleaning brush, Ø 9 mm 101892 Cleaning brush, Ø 15.9 mm	
Filter strainer ST PRO, approx. 114 mm long		Filter strainer UltraMax Smart, approx. 180 mm long
243080	Strainer 60 mesh, 250 micron, (black)	244071 Strainer 30 mesh, 590 micron, (grey)
243081	Strainer 100 mesh, 149 micron, (blue)	244067 Strainer 60 mesh, 250 micron, (black)
243226	Strainer 200 mesh, 74 micron, (red)	244068 Strainer 100 mesh, 149 micron, (blue)
196773	Filter insert ST PRO	244069 Strainer 200 mesh, 74 micron, (red)
		196786 Filter insert, diffusion
243102	Filter insert kit, 190ES with 60 mesh strainer (243080)	

PULSATION DAMPERS



PULSATION DAMPERS

Part No.	Description	Manual
224892	Pulsation damper 3/4" for Husky 716, aluminium, PTFE diaphragm	308178
224894	Pulsation damper 3/4" for Husky 716, stainless steel (SST), PTFE diaphragm	
224893	Pulsation damper 3/4" for Husky 716, aluminium, Buna-N diaphragm	
224895	Pulsation damper 3/4" for Husky 716, stainless steel (SST), Buna-N diaphragm	
233736	Pulsation damper, SST, 25 bar, 3/4" BSP(f), air inlet pressure to 8 bar, 1/4" BSP(f), PTFE	307707
220157	Pulsation damper, SST, 1 1/4" NPT(f) inlet and outlet, UHMWPE diaphragm, 42 bar	307707
218509	Pulsation damper, 2" NPT(f) x 2" NPT(f), UHMWPE diaphragm, 42 bar	307707
238986	Pulsation damper, SST, 21 bar, 2" NPT(f) inlet and outlet, PTFE diaphragm	
238987	Pulsation damper, SST, 21 bar, 2" Tri-Clamp Sanitary, PTFE diaphragm	
238988	Pulsation damper, SST, 21 bar, 1.5" Tri-Clamp Sanitary, PTFE diaphragm	
207278	Pulsation damper, air activated, 4-14 bar, DB 103 bar (Hydra-Clean), 1/2" inlet, 3/8" outlet.	306933
205123	Pulsation damper, 1/2" NPT(M), maximum 35 bar, O.D. Ø 82.55, high incl. retainer 519.1 mm	306487
209011	Pulsation damper, 1/2" NPT(M), maximum 21 bar, SST	307136
214725	HD surge tank 350 bar, rectangular block	307296
214623	HD surge tank 350 bar, round block	307296
218742	Stand for damper 220157, 218509, 238983, 238984 and 238985	307707

Pulsation damper for Husky diaphragm pumps 8.4 bar		308703
3/4" automatic model, coupled with pump air	3/4" automatic model, coupled with pump air	
Upper and lower housing polypropylene	Upper and lower housing polypropylene	
239096 with Buna-N bladder (0°-79°C)	239092 with Buna-N bladder (0°-79°C)	
239121 with PTFE bladder (4°-79°C)	239128 with PTFE bladder (4°-79°C)	
239122 with Viton bladder (0°-79°C)		
	Lower casing stainless steel, upper housing polypropylene	
Upper and lower housing stainless steel	239093 with Buna-N bladder (0°-79°C)	
239095 with Buna-N bladder (-12°-82°C)	239126 with PTFE bladder (4°-79°C)	
239123 with PTFE bladders (4°-104°C)	239127 with Viton bladder (0°-79°C)	
239124 with Viton bladder (-23°-170°C)		
	2" manual can be set via air pressure regulator	
Upper and lower housing acetal		
239094 with Buna-N bladder (0°-79°C)	Upper and lower housing polypropylene	
239125 with PTFE bladders (4°-79°C)	239087 with Buna-N bladder (0°-79°C)	
	239136 with PTFE bladder (4°-79°C)	
3/4" manual can be set via air pressure regulator		
	Lower casing stainless steel, upper housing polypropylene	
Upper and lower housing polypropylene	239088 with Buna-N bladder (0°-79°C)	
239091 with Buna-N bladder (0°-79°C)	239134 with PTFE bladder (4°-79°C)	
239129 with PTFE bladders (4°-79°C)	239135 with Viton bladder (0°-79°C)	
239130 with Viton bladder (0°-79°C)		
Upper and lower housing stainless steel		
239090 with Buna-N bladder (-12°-82°C)		
239131 with PTFE bladder (4°-104°C)		
239132 with Viton bladder (-23°-176°C)		
Upper and lower housing acetal		
239089 with Buna-N bladder (0°-79°C)		
239133 with PTFE bladders (4°-79°C)		

Part No.	Husky leakage detector	Manual
239080	Polypropylene housing, PVC wetted parts, 4.1 bar	308702

FLUID REGULATORS AND ACCESSORIES



24C375
24E471
24C472



203831
204500
205425
204501
206200
209030



214895
214706
214980
217314
221118
24A082
255374



236081
236449
236216
236450
241976
236281



205122
236770
237503



206019



208997
916154



830352



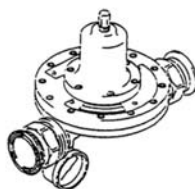
830351



244375



236854



244486



235282



289208

Note: Regulators to 70 bar, max. viscosity 1000 CPS,
except model 204500 and 206200 max. 500 CPS



222200



222121



206661
217576



206819
222405
238926



238890
238889
238892
238891



238893
238894

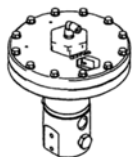
Assembly connectors



167001
156953
192661

Note: Valve 222200 max. 500 CP
Regulator 222121 to 238926 max. 500 CPS

Regulator 238889 to 244734 max. 150000 CPS



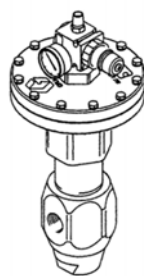
244734



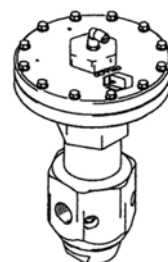
288117
288262
288311



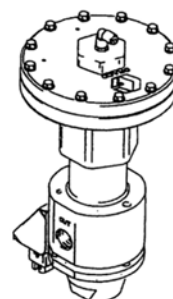
903958



961635
246687
C58318



244740
246642



243700
246643

Note: 903958 to C58318 max. 1.000.000 CPS
244740 to 246643 max. 1.000.000 CPS

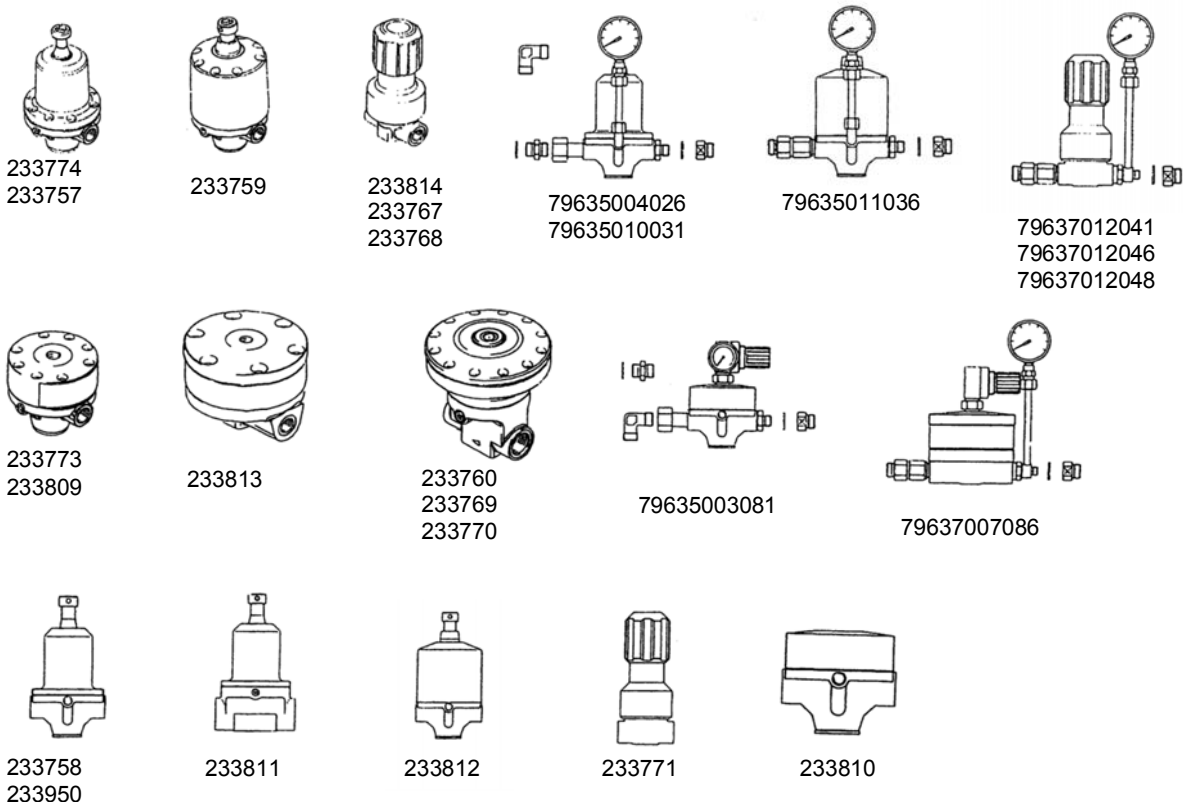
FLUID REGULATORS AND ACCESSORIES

Part No.	Description	manual
24C375	Low Flow Fluid Regulator Ratio 1:1 (6,3bar) SST seal kit 24F140	3A0427
24E471	Low Flow Fluid Regulator Ratio 1:2 (3.5bar) SST seal kit 24F140	
24E472	Low Flow Fluid Regulator Ratio 1:3 (2.1bar) SST seal kit 24F140	
Conversion kit Low Flow Fluid Regulator		24E501 (silver 1:1) 24E502 (green 1:2) 24E503 (black 1:3)
203831	ND fluid regulator, alu, max. working pressure 18 bar, regulated pressure range 0 – 4 bar, Ø 3 mm	3/8"
204500	ND fluid regulator, alu, max. working pressure 18 bar, regulated pressure range 0 – 1 bar, Ø 1.32 mm	
205425	ND fluid regulator, alu, max. working pressure 18 bar, regulated pressure range 0 – 4 bar, Ø 4.57 mm	
204501	ND fluid regulator, alu, max. working pressure 18 bar, regulated pressure range 1.4 – 11 bar, Ø 3 mm	
206200	ND fluid regulator, alu, pneumatically controlled, regulated pressure range 0 – 2 bar, Ø 1.32 mm	
209030	NP fluid regulator, SST, max. working pressure 18 bar, regulated pressure range 0.3 – 7 bar, Ø 4.57 mm	306563 306563 306563 306813 307134
214895	ND fluid regulator, SST, 0.3 – 7 bar, without accessories, maximum working pressure 18 bar	3/8"
214706	ND fluid regulator, SST, 0.3 – 7 bar, pressure gauge and tube stainless steel	
214980	ND fluid regulator, SST, 0.2 – 2 bar, pneum. regulated pressure range (2 bar), chrome gauge/tube	
217314	ND fluid regulator, SST, 1.5 – 11 bar, pressure gauge and tube stainless steel	
221118	ND fluid regulator, SST, 1.5 – 11 bar, without riser and pressure gauge	
244375	ND fluid regulator, SST, 0.3 – 7 bar, pneumatically regulated, without pressure gauge	
24A082	ND fluid regulator, SST, 0.3 – 7 bar, pneumatically regulated, with pressure gauge	
255374	ND fluid regulator, SST, 0.3 – 7 bar, pneumatically regulated, with pressure gauge	307212
236081	ND Acetal fluid regulator, 7 bar, regulated pressure range 0.2 – 2.1 bar, without pressure gauge	1/4"
236449	ND Acetal fluid regulator, 7 bar, regulated pressure range 0.2 – 2.1 bar, with pressure gauge	
236216	ND Acetal fluid regulator, 7 bar, regulated pressure range 1.4 – 7 bar, without pressure gauge	
236450	ND Acetal fluid regulator, 7 bar, regulated pressure range 1.4 – 7 bar, with pressure gauge	
241976	ND Acetal fluid regulator, 7 bar, regulated pressure range 0.2 – 2.1 bar, with pressure gauge 0 – 4.1 bar	
236281	ND Acetal pneumatically regulated, 7 bar, regulated pressure range 0.21 – 7 bar, with pressure gauge	1/4"
236854	ND acetal/Delrin, pneumatically controlled, max. air and fluid 1 – 7 bar, for Pro 5500	308325 308098
830351	ND, stainless steel, pneum. controlled, 18 bar, regulated pressure range 0.3 – 7 bar, with dump valve.	308292
830352	ND, stainless steel, pneum. controlled, 18 bar, regulated pressure range 0.3 – 7 bar, without dump valve.	
830353	ND, stainless steel, pneum. controlled, 18 bar, regulated pressure range 0.3 – 7 bar	
235282	Fluid pressure regulator, stainless steel, 1 1/2" NPT(f) (HF pumps) regulated pressure range 0 – 18 bar	308093
223883	Fluid pressure regulator, stainless steel, 2" sanitary connection	
205122	Backpressure regulator, 3/8", 21 bar operating range 0.3 – 12.4 bar, gauge 0 – 21 bar	306640
236770	Backpressure regulator, 3/8", SST, 21 bar regulated pressure range 0.3 – 12 bar	308401
237503	Backpressure regulator, 1/2" NPT(f), SST, 21 bar control range 0.3 – 12 bar, bare without gauge, tube & adapter	308401
237448	Accessory set to convert from 236770 & 237503 to pneumatic control	308401
206019	Backpressure regulator, HV 1", 21 bar control range 0 – 12 bar, gauge 0 – 21 bar	306770
208997	Backpressure regulator, SST, 1 1/4", 21 bar control range 0.35 – 14 bar, gauge 0 – 14 bar (RP 15J820)	307107
916154	Backpressure regulator, SST, 1 1/4", 21 bar hard metal valve, contr. range 0.3 – 14 bar, gauge 0 – 14 bar (RP 15J822)	310537
224486	Backpressure regulator, stainless steel, 21 bar, 1 1/2" NPT(f) (HF pumps), control range 0.3-14 bar	308115
223824	Backpressure regulator, stainless steel, 21 bar, 2" Sanitary Clamp, control range 0.3-14 bar	308115
206661	HD fluid regulator, 210 bar spring yellow, when spring 501 511 is fitted = blue 14 – 70 bar	306878
(red cap)	Regulated pressure range, 135 – 210 bar 501510 = red 70 – 135 bar	
217576	HP regulator, 14 – 70 bar	306878
222121	HP regulator, 1/4" maximum working pressure 105 bar, SST, regulated pressure range 10.5 – 84 bar	307886
238889	HP fluid regulator, stainless steel 414 bar, regulated pressure range 34 – 207 bar with flushing plug	3/8"
238890	HP fluid regulator, stainless steel 414 bar, regulated pressure range 34 – 207 bar with gauge	
238891	HP fluid regulator, stainless steel 414 bar, regulated pressure range 207 – 345 bar with flushing plug	
238892	HP fluid regulator, stainless steel 414 bar, regulated pressure range 207 – 345 bar with gauge	
238893	HP fluid regulator, stainless steel, regulated pressure range 34 – 276 bar with flushing plug	
238894	HP fluid regulator, stainless steel, pneumatic, regulated pressure range 34 – 276 bar with gauge	
244734	HD pressure regulator same as 238893 but 1/2" NPT(f) inlet and outlet, and opening for pressure sensor	
206819	HP, backpressure regulator, 210 bar spring yellow when spring 501511 is fitted = blue 14 – 70 bar	306860
(white cap)	Operating range 135-210 bar (old version blue) Spring 501510 = red 70 – 135 bar	
222405	HP backpressure regulator, 210 bar, regulated pressure range 0-70 bar, 1/4" inlet and outlet	306860
238926	HD backpressure regulator, SST, 210 bar, 1/4" inlet and outlet NPT	306860
222200	HP backpressure valve, SST, 10-350 bar, 3/8" NPT(f) inlet and outlet	307892
903958	Mastic regulator 3/4" NPT(f), regulated pressure range 70-130 bar, spring green, if spring 521079 is installed, blue = regulated pressure range 28-70 bar, inlet pressure should be 42 bar higher than the working pressure	307517
961635	Mastic regulator 3/4" NPT(f), pneumatically controlled, regulated pressure range 14 – 310 bar, Inlet pressure should be 42 bar higher than the working pressure. Includes: 1/4" air regulator	307517
246687	Mastic regulator 3/4" NPT(f), same as 961635 but regulated pressure range 7 – 310 bar	307517
C58318	Mastic regulator 3/4" NPT(f), same as 961635 but in SST	307517
244740	Mastic regulator 3/4" NPT(f) same as 961635 but with openings for sensor connection, without air regulator	307517
243700	Mastic regulator 3/4" NPT(f), 240 V heats max 202°C, regulated pressure range 17 – 241 bar	307517
289208	Fluid regulator 3/8" NPT(f) 230V heats max 204°C, regulated pressure range 14 – 210 bar	312396
246642	Mastic regulator 3/4" NPT(f), pneumatically controlled, fluid side also spring-loaded, regulated control range 7-310 bar, openings to connect sensor, air inlet 90° quick-connect	307517
246643	Mastic controller 3/4" NPT(f), pneumatically controlled, fluid side plus spring loaded, regulated control range 7 – 241, 240 Volt heated	307517
167001	Assembly connector 1/4" NPT(m) x 7/16"-20NF-2, separate 100322 lock washer, 150513 nut	306878
156953	Assembly connector 1/4" NPT(m) x 3/8"-16NC-2 separate 100639 lock washer, 100307 nut	306878
192661	Assembly connector, stainless steel, 1/4" NPT(m) x 3/8"-16NC-2 (for filter, regulator)	307273
288117	Pneumatic Back Pressure Regulator, 1-1/4 npt(f) inlet and outlet, SST	311595
288262	Pneumatic Back Pressure Regulator, 2 in. sanitary inlet and outlet, SST	
288311	Pneumatic Back Pressure Regulator, 1-1/2 npt(f) inlet and outlet, SST	
15J498	Pneumatic Conversion Kit, converts a 208997 spring-operated to a pneumatic-operated regulator	

FLUID PRESSURE REGULATORS

BSP / NPT wetted sections in stainless steel

Note: Assembly standing compressed air connection on top or top setscrew



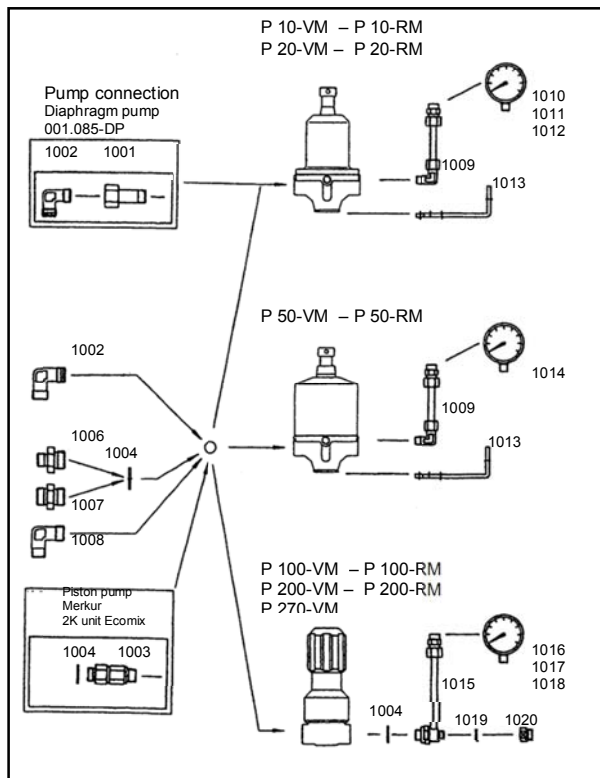
Accessories mechanical regulators (spring) BSP(G) thread

Pos.	Part No.	Name
1001	77254008003	Ball nipple, removable G 3/8" A, SST
1002	77214017003	Angle, swivel, 8-G 3/8", SST
1003	77240005002	Nipple, removable R 3/8" keg. - G 3/8", SST
1004	74188015090	Seal A 17 x 21, SST
1006	76639016003	Connector red. 6-G 3/8" - G 1/4, SST
1007	76640005001	Connector 8-G 3/8", SST
1008	75214011001	Angle R 3/8" keg. - G 1/4", SST
1009	77796064003	Tube cpl. PN 100, SST
1010	75782003001	Gauge G 1/4-U, 0-4 bar, CuZn
1011	75782006001	Gauge G 1/4-U, 0-16 bar, CuZn
1012	75782007001	Gauge G 1/4-U, 0-25 bar, CuZn
1013	77654002001	Angle cpl.
1014	75782010001	Gauge G 1/4-U, 0-60 bar, CuZn
1015	77796063002	Tube cpl. PN 250, SST
1016	75782012001	Gauge G 1/4-U, 0-160 bar, CuZn
1017	75782013001	Gauge G 1/4-U, 0-250 bar, CuZn
1018	75782014001	Gauge G 1/4-U, 0-315 bar, CuZn
1019	74188012090	Seal A 14 x 18, SST
1020	76641017001	Connector G 3/8" A - G 1/4, SST

Model key

Pressure regulator, e.g. **P20 - R M DN13**

P20	=	Max. operating range	20bar
R	=	Use	V - Downstream regulator R - Upstream regulator
M	=	Control	P - pneumatic M - mechanical (spring)
DN13	=	Valve seat opening	13mm



FLUID PRESSURE REGULATORS – BSP / NPT wetted sections in stainless steel

Ref No. BSP	Ref No. NPT	Model	Style	Pump	Maximum working pressure	Regulated pressure range bar	Seat Ø mm	Flow 10W – oil litres/min	manual
233774	234273	P10 – VM	Spring	3/8"	40 bar	1 – 10		26.6	309474
79635021004	---	P10 – VM – OEM	Spring	3/8"	40 bar	1 – 10	5	26.6	6000365E
233757	234263	P20 – VM	Spring	3/8"	40 bar	1 – 20		26.6	309474
233759	234267	P50 – VM	Spring	3/8"	70 bar	10 – 50	5	37.2	309474
233814	234260	P100 – VM	Spring	3/8"	180 bar	40 – 100		30.8	309475
233767	234264	P200 – VM	Spring	3/8"	360 bar	90 – 200		31.2	309475
233768	234265	P270 – VM	Spring	3/8"	360 bar	90 – 270		35.0	309475
233773	234272	P10 – VP	Pneum	3/8"	40 bar	0.4 – 10	5	26.6	309474
233809	234256	P10 – VP, OEM	Pneum	3/8"	40 bar	0.4 – 10	5	26.6	309474
233813	234259	P200 – VP	Pneum	3/8"	360 bar	40 – 250		40.3	309475
233760	234266	P60 – VP DN7	Pneum	3/4"	360 bar	5 – 60		42.9	309475
233769	234270	P150 – VP DN7	Pneum	3/4"	360 bar	20 – 150		44.5	309475
233770	234271	P320 – VP DN7	Pneum	3/4"	360 bar	40 – 320		46.7	309475

Backpressure regulator

233758	234262	P10 – RM	Spring	3/8"	10 bar	1 – 10	6.5	17.5	309474
233950	234261	P20 – RM DN1	Spring	3/8"	20 bar	1 – 20	6.5	21.7	309474
233811	234255	P20 – RM DN13	Spring	1"	20 bar	2 – 20	13.0	29.6	309474
233812	234258	P50 – RM	Spring	3/8"	50 bar	5 – 50	6.5	43.7	309474
233771	234268	P100 – RM	Spring	3/8"	170 bar	40 – 100	3.5	38.8	309475
233772	234269	P200 – RM	Spring	3/8"	235 bar	90 – 200	3.5	49.8	309475
233810	234257	P10 – RP	Pneum	3/8"	10 bar	1 – 10	6.5	17.5	309474

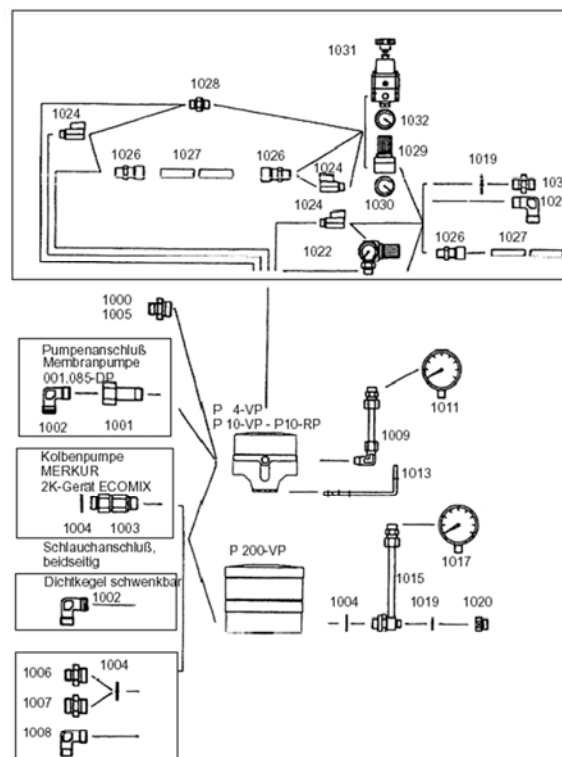
Fluid pressure regulator with riser tube, gauge and union connector – BSP thread

79635004026	233774 incl. pos. 1009, 1011, 1001, 1002, 1006, 1007, 1004, 1020 and 1019	P10 – VM	6000366E
79635010031	233757 incl. pos. 1009, 1011, 1001, 1006, 1007, 1004, 1020 and 1019	P20 – VM	6000366E
79635011036	233759 incl. pos. 1009, 1014, 1003, 1004, 1006, 1020 and 1019	P50 – VM	6000366E
79637012041	233814 incl. pos. 1015, 1016, 1003, 1004, 1020 and 1019	P100 – VM	6000369E
79637012046	233767 incl. pos. 1015, 1017, 1003, 1004, 1020 and 1019	P200 – VM	6000369E
79637012048	233768 incl. pos. 1015, 1018, 1003, 1004, 1020 and 1019	P270 – VM	6000369E
79635003081	233773 incl. pos. 1000, 1001, 1002, 1004, 1005, 1019, 1020 and 1022	P10 – VM	6000367E
79637007086	233813 incl. pos. 1003, 1004, 1015, 1017, 1020, 1019, 1029 and 1028	P200 – VM	6000368E

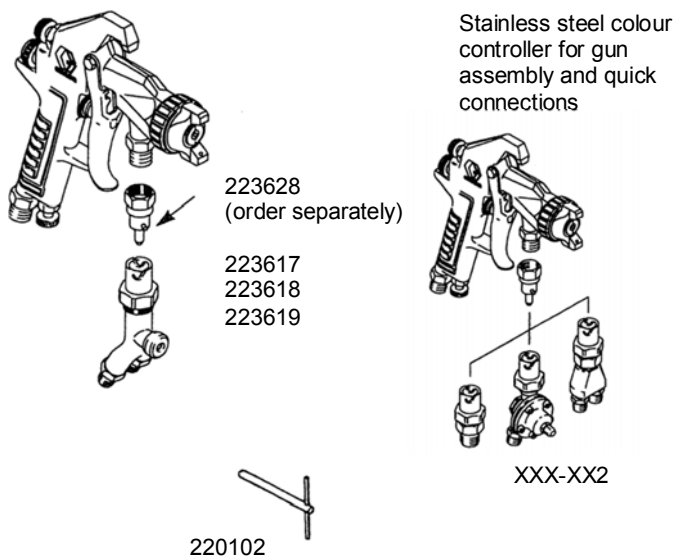
OEM = special, valve seat PEEK, ball silicon nitride

Pneumatic regulator accessories – BSP(G) thread

Ref.	Ref No.	Name
1000	76639013001	Nipple reduction 7-G 3/8" – G 1/4", SST
1001	77254008003	Ball nipple, removable 3/8" (m), SST
1002	77214017003	Bracket, can swivel 8 – G 3/8", SST
1003	77240005002	Nipple, removable R 3/8 tap – G 3/8", SST
1004	74188015090	Seal A17 x 21, SST
1005	76640009001	Connector 9 – G 3/8", SST
1006	76639016003	Nipple reduction 6 – G 3/8" – G 1/4", SST
1007	76640005001	Connector 8 – G 3/8", SST
1008	75214011001	Bracket R 3/8" tap – G 1/4", SST
1009	77796064003	Tube cpl. PN 100, SST
1010	75782003001	Gauge G 1/4"-U, 0-4 bar CuZn
1011	75782006001	Gauge G 1/4"-U, 0-16 bar CuZn
1012	75782007001	Gauge G 1/4"-U, 0-25 bar CuZn
1013	77654002001	Bracket cpl.
1014	75782010001	Gauge G 1/4"-U, 0-60 bar CuZn
1015	77796063002	Tube cpl. PN 250, SST
1016	75782012001	Gauge G 1/4"-U, 0-160 bar CuZn
1017	75782013001	Gauge G 1/4"-U, 0-250 bar CuZn
1018	75782014001	Gauge G 1/4"-U, 0-315 bar CuZn
1019	74188012090	Seal A 14 x 18, SST
1020	76641017001	Bracket G 3/8" A – G 1/4", SST
1022	77631014002	Air pressure regulator cpl. G 1/4", 0.5-8 bar
1023	75214006002	Bracket R 1/4" tap – M 14 x1
1024	77601005002	Ball valve cpl. PN 15, G 1/4" – R 1/4"
1026	75201001010	Connector – G. R 1/4" – 8
1027	70346057004	Hose 8 – 6, per m PUR
1028	75239001003	Nipple, removable R 1/4" tap – R 1/4" tap CuZn
1029	75631004001	Air pressure regulator G 1/4", 0-10 bar
1030	75781002001	Gauge G 1/8"-R, 0-16 bar
1031	75631002002	Air pressure regulator G 1/4", 0.1-3.5 bar
1032	75781001001	Gauge G 1/8"-R, 0-6 bar
1036	76639014001	Nipple reduction 6 – G 1/4" A- M 14 x 1



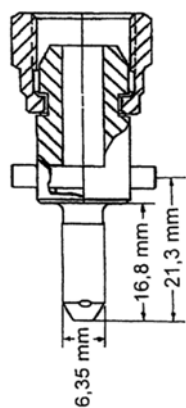
GUN MOUNTED FITTINGS PRESSURE REGULATORS AND ACCESSORIES



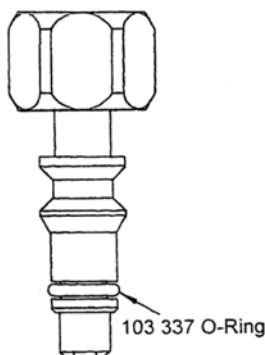
Bajonett- anschuß	Ring- anschuß	Schraub- anschuß	Bajonett- anschuß
 223-627*	 208-085*		 223-628*
 223-621*	 208-082*	 223-622*	 223-623*
 223-624*	 208-250		 223-625*
 223-626*			 210-097

* Edelstahl

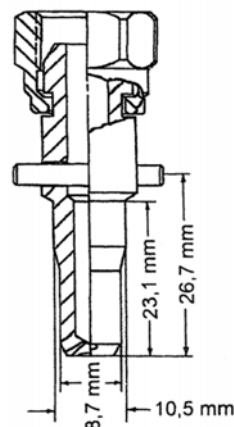
Part No.	Name	manual
223627	Bayonet connection nipple	307016
208085	Ring connection nipple	
223628	Bayonet connection nipple	
223621	Gun regulator (bayonet)	
208082	Gun regulator (ring quick disconnect)	
223622	Gun regulator (screw connection)	
223623	Gun regulator (bayonet)	
223624	Twist lock	
208250	Ring quick disconnect	
223625	Bayonet coupling stainless steel	
223626	Bayonet twin connection	307751
210097	Bayonet twin connection	
223617	"Y" restrictor valve, 1/4" NPS(m) inlet and outlet, bayonet coupling	
223618	"Y" restrictor valve, 3/8" NPS(m) inlet and outlet, bayonet coupling	
223619	"Y" restrictor valve, 1/4" NPS(m) inlet and outlet, 3/8" NPS(f) screw seal	
223620	"Y" restrictor valve, 3/8" NPS(m) inlet and outlet, 3/8" NPS(f) screw seal	
220102	Restrictor valve adjusting key	



223627



208085



223628

AIR PRESSURE GAUGES



Part No.	Input NPT	Material fitting	Sight material	Display range	Ring/housing	Ø	Mounting
110444	1/8"	Brass	Glass	0 – 1.1 bar	Steel, black	50.8	down
104655	1/8"	Brass	Glass	0 – 4.2 bar	Steel, black	38.1	down
110436 ‡	1/8"	Brass	Glass	0 – 7.0 bar	Steel, black	38.1	down
111598	1/8"	Brass	Polycarbonate	0 – 11 bar	Steel, black	38.1	down
102730	1/8"	Brass	Glass	0 – 1.1 bar	Steel, black	50.8	Rear
108190 ‡	1/8"	Brass	Glass	0 – 7.0 bar	Steel, black	38.1	Rear
113911	1/8"	Brass	Glass	0 – 11 bar	Steel, black	38.1	Rear
185350	1/4"	Brass	Glass	0 – 15 PSI	Steel, black	89.0	down
100960	1/4"	Brass	-	0 – 14 bar	Steel, black	50.8	down
101180 ‡	1/4"	Brass	Glass	0 – 14 bar	Chromed	50.8	down
C36260	1/4"	Brass	Plastic	0 – 11 bar	Steel, black	50.8	Rear
101689	1/4"	Brass	Glass	0 – 14 bar	Chromed	50.8	Rear
112123	1/4"	Brass	Polycarbonate	0 – 14 bar	Steel, black	50.8	Rear

xxxxxx ‡ = Can also be used as a fluid pressure gauge



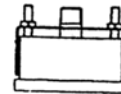
AIR PRESSURE GAUGES

Installed in cupboard wall, opening: 42 or 66.7 mm

15T500	1/8"	Brass	Glass	0 – 7 bar	Steel, black	40	Rear
114117	1/4"	Brass	Polycarbonate	0 – 11 bar	Steel, black	63.0	Rear



- 102019 Spare glass for 50.8 mm (2") gauge
- 193199 Adhesive foil (qty 12) for 50.8 mm (2") gauge
- 193200 Adhesive foil (qty 12) for 63.5 mm (2.5") gauge



FLUID PRESSURE GAUGES



Part No.	Input NPT	Material fitting	Sight material	Display range	Ring/housing	Ø	Mounting
187875	1/4"(A)	SST	Glass	0 – 2.1 bar	stainless steel	63.5	down
101176	1/4"(A)	Brass	Glass	0 – 4.1 bar	Chrome	50.8	down
195583	1/4"(A)	SST	Glass	0 – 4.1 bar	stainless steel	63.5	down
187874	1/4"(A)	SST	Glass	0 – 7.0 bar	stainless steel	63.5	down
113673*	1/4"(A)	Brass	Plastic	0 – 7.0 bar	stainless steel	50.8	down
187873	1/4"(A)	SST	Glass	0 – 14 bar	stainless steel	63.5	down
187876	1/4"(A)	SST	Glass	0 – 21 bar	stainless steel	63.5	down
101696	1/4"(A)	Brass	Glass	0 – 70 bar	Chrome	50.8	down
105770*	1/4"(A)	Brass	Glass	0 – 70 bar	stainless steel	63.5	down
112564	1/4"(A)	SST	Glass	0 – 100 bar	stainless steel	63.5	down
802072*	1/4"(A)	Brass	Glass	0 – 100 bar	stainless steel	63.5	down
102397	1/4"(A)	Brass	Glass	0 – 207 bar	Chrome	50.8	Rear
+112941*	1/4"(A)	SST	Glass	0 – 350 bar	stainless steel	63.5	down
+102814*?	1/4"(A)	Brass	Glass	0 – 350 bar	stainless steel	63.5	down
+115523*	1/4"(A)	Brass	Glass	0 – 350 bar	stainless steel	63.5	Rear
+113654*	1/4"(A)	SST	Glass	0 – 350 bar	stainless steel	63.5	Rear
+114434*	1/4"(A)	SST	Glass/polycarb	0 – 700 bar	stainless steel	63.5	Rear
† 804582*	1/4"(A)	Brass	-	0 – 350 bar	stainless steel	63.5	Rear

xxx xxx* = Filled with damping liquid

? = not for G-Force

† = G-Force, scale in kPA/PSI, 0–5000

+ = bar/Mpa/PSI

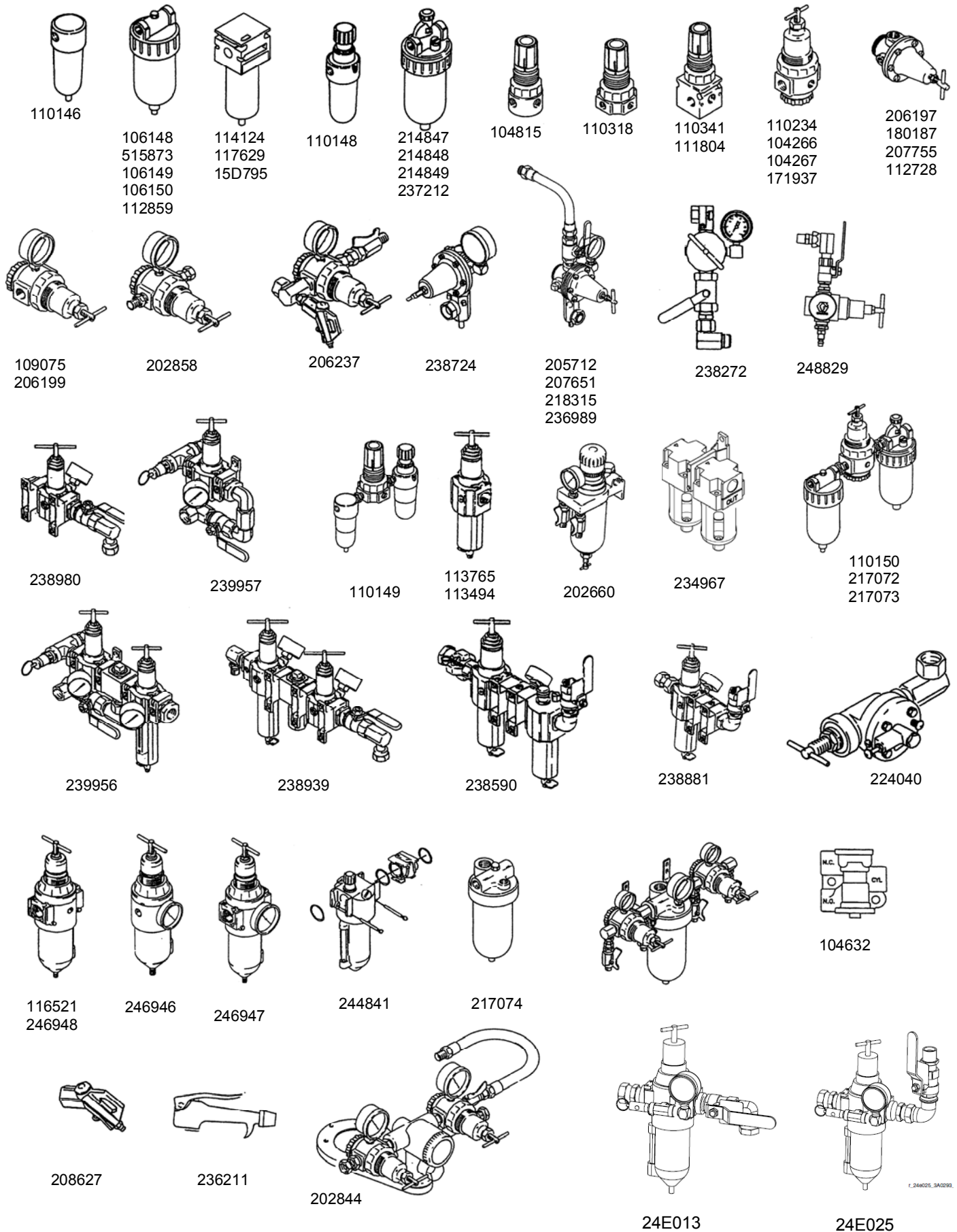
GAUGES WITH PULSATION DAMPING

(Diaphragm and liquid)

206171*	1/4" NPT(I)	Brass	0 – 14 bar	Chrome	50.8	down
110182*	1/4" NPT(I)	SST	0 – 140 bar	stainless steel	63.5	down
114852*	1/2" BSP(I)	SST	0 – 410 bar	stainless steel	107	down
6773222*	3/4" BSP(A)	SST	0 – 400 bar	stainless steel	56.5	down



AIR FILTERS, REGULATORS & LUBRICATORS



AIR FILTERS, REGULATORS & LUBRICATORS

Part No.	Description			manual
110146	Air filter ¼" NPT(f), 20 micron	110148	Air lubricator, ¼" NPT(f)	308169
106148	Air filter ⅜" NPT(f), 20 micron, 515 873 air filter 5 micron	214847	Air lubricator, ⅜" NPT(f)	
106149	Air filter ½" NPT(f), 20 micron	214848	Air lubricator, ½" NPT(f)	
106150	Air filter ¾" NPT(f), 40 micron	214849	Air lubricator, ¾" NPT(f)	
112859	Air filter 1" NPT(f), 40 micron	237212	Air lubricator, 1" NPT(f)	
234967	Dual Air filter Kit ¼" NPT(f), 5 micron filter element 123091 , 0,3 micron filter element 123092			
114124	Air filter ⅜" NPT(f), 10.3 bar, 5 micron filter element 114228			
117629	Air filter ⅜" NPT(f), 10.3 bar, 5 micron filter element 114228 , with auto drain			
15D795	Air filter ½" NPT(f), 10.3 bar, 40 micron filter element, with auto drain			
104815	Air regulator 0 – 4.2 bar, ⅛" NPT(f)			308167
110341	Air regulator 0 – 9 bar, ⅛" NPT(f) – piston-controlled			
111804	Air regulator 0 – 9 bar, ¼" NPT(f) – piston-controlled			
110318	Air regulator 0 – 12 bar, ¼" NPT(f)			
115243	Air regulator 0 – 21 bar, ¼" NPT(f) with gauge 0.3 – 3.4 bar			
115242	Air regulator 0 – 21 bar, ¼" NPT(f) with gauge 0.3 – 7 bar			
116513	Air regulator 0 – 21 bar, ¼" NPT(f)			
110234	Air regulator 0 – 17.5 bar, ⅜" NPT(f)			
104266	Air regulator 0 – 17.5 bar, ½" NPT(f)			
104267	Air regulator 0 – 21 bar, ½" NPT(f) with gauge 0 – 8.6 bar			
171937	Air regulator 0 – 9 bar, ½" NPT(f) – Mylar membrane			
15T499	Air regulator 0.3 – 8 bar, ¼" NPT(f) used with the Merkur packages			
15T536	Air regulator 0.3 – 10. bar, ⅜" NPT(f) used with the Merkur packages			
15T539	Air regulator 0.3 – 10. bar, ⅝" NPT(f) used with the Merkur packages			
114105	Air regulator H.V. ½", Max. inlet 20 bar, regulated pressure range 0.3 – 10 bar			308859
114459	Air regulator H.V. 1", Max. inlet 20 bar, regulated pressure range 0.3 – 10 bar			
206197	Air regulator 0 – 9 bar, ½" NPT(f)			308168
180187	Air regulator 0 – 5.6 bar, ¾" NPT(f)			
207755	Air regulator 0 – 9 bar, ¾" NPT(f)			
112728	Air regulator 0 – 9 bar, 1" NPT(f)			
110147	Air regulator 0 – 9 bar, ¼" NPT(f) with gauge 0 – 14 bar			308167
109075	Air regulator ⅝" NPT(f) with gauge			
244844	Air regulator ½" NPT(f) (104 266) with gauge			
206199	Air regulator ½" NPT(f) (206,197) with gauge			
110149	Regulator kit, maximum 21 bar, ¼"			308169
110150	Regulator kit, maximum 17.5 bar, ⅜"			
217072	Regulator kit, maximum 17.5 bar, ½"			
217073	Regulator kit, maximum 17.5 bar, ¾"			
24E013	Air control for Heavy Duty Xtreme sprayers cart (Regulator+ ball valve + air filter)			3A0293
24E025	Air control for Light Duty Xtreme sprayers cart (Regulator+ ball valve + air filter)			
244841 +	Lubricator conversion kit (to add on Air control)			
238939	Filter air pressure regulator set, ½" NPS(f) air inlet for Monark and President AA units mobile			308686
238980	Air pressure regulator set, ⅝" NPS(f) air inlet for Monark and President AA units mobile			
239956	Filter air pressure regulator set, ⅝" NPS(f), air inlet for Monark and Pres. AA units wall units			
239957	Air pressure regulator set, ⅝" NPS(f) air inlet for Monark and President AA wall units			
239975	Filter air pressure regulator kit, ½" NPS(f) air inlet for Monark. AA units on small cart			
239976	Air pressure regulator set, ⅝" NPS(f) air inlet for Monark airless units on small cart			
240446	Air pressure regulator set, ⅝" NPS(f) air inlet for Monark AA bucket unit			
240231	Air pressure regulator set, ⅝" NPS(f) air inlet for Monark airless bucket unit			
238590	Regulator Kit set, 17.5 bar, King Bull Senator			308722
238613	Regulator Kit set, 17.5 bar, King Bull Senator AA system			
202858	Air regulator, ⅝" NPT(A) x ½" NPS(f) with gauge			308167
206237	Air regulator set with gauge, air blowing gun			308167
238272	Air regulator set with gauge, shut-off cock, ½" President			308168
248829	Air regulator set with gauge, shut-off cock, 3/8" Monark, Markur, feed pumps			310863
238724	Air regulator set, incl. regulator ½", gauge, manifold ¾"NPS(f) inlet and plug			308168
205712	Air regulator set Bulldog with gauge, air valve 1 – 9 bar pressure regulating range			
207651	Air regulator set King with gauge, air valve 1 – 9 bar pressure regulating range			
218315	Air regulator set King with gauge, air valve 1 – 5.6 bar pressure regulating range			
236989	Air regulator set Premier with gauge, air valve 1 – 9 bar pressure regulating range			
246946	Filter air pressure regulator, ¼" with gauge			308169
246947	Filter air pressure regulator, ½" with gauge			308169
113765	Filter – air pressure regulator, ⅝"			308686
113494	Filter – air pressure regulator, ¾"			308648
238881	Filter – air pressure regulator set ¾"			308648
116521	Filter – air pressure regulator ¾" Xtreme model 246948 = 116521 with gauge C36260			308169
244841	Air lubricator set, Xtreme accessories			309341
202660	Filter – wall mounting, ½" inlet, 2 outlet via ¼" ball valve			306273
217074	Filter, ½", 40 micron			308169
217075	Filter regulating set, ½" inlet, 2 outlet via regulator, two direct			307476
202844	Even-Flo, air regulator, control valve, air hose			306479



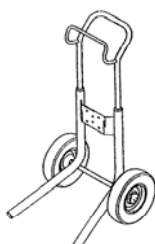
224040	Pump runaway valve, 3/4 NPT(f) inlet, 3/4" NPS(f) outlet	308201
104632	3-way control valve 3 x 1/2"NPT(f), 1/8" NPT(f) pilot air fitting	
236211	Air blow gun	307081
208627	Air blow gun	
6789257	Kilfrost, 1 liter	

+ Not shown

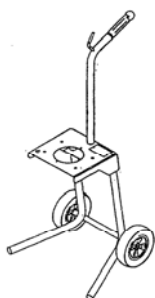
CARTS AND ELEVATORS



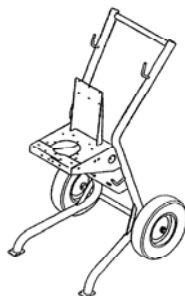
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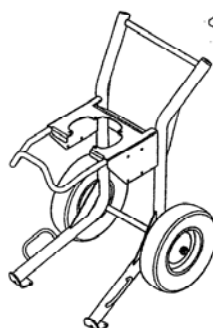
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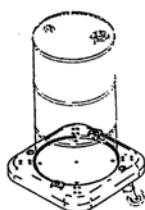
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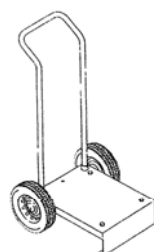
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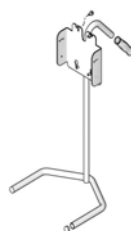
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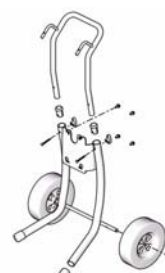
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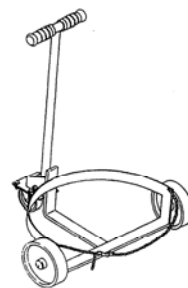
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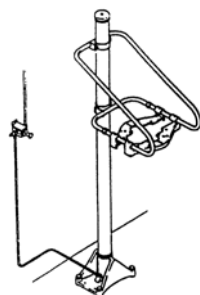
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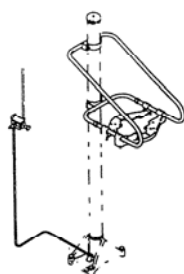
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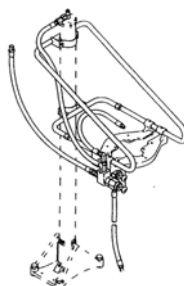
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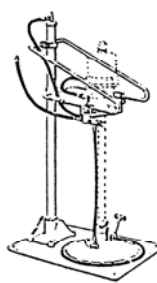
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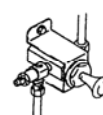
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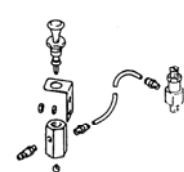
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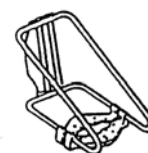
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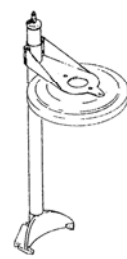
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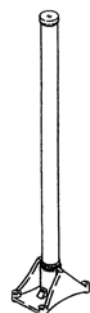
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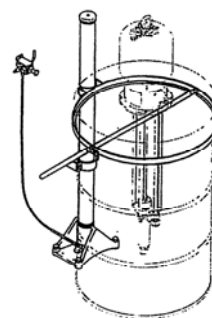
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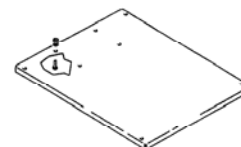
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237746
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241663

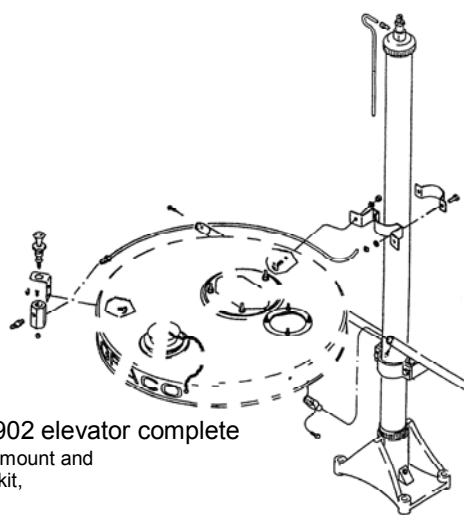


204740
205339

CARTS AND ELEVATORS

Part No.	Description	manual
205054	Ring cart 19 l (5 gallons)	
204144	Ring cart 38 l – 61 l (10 – 16 gallons)	
203622	Roller support (4 rollers) for 120 lb drum	308668
233581	2-wheel cart for Triton 308 high floor bottom spacer 507 mm	309304
243606	2-wheel cart for Falcon, old Merkur high floor top edge engine fixing 525 mm	
240223	2-wheel cart (small) for Monark, Husky 307, high floor bottom spacer 513 mm	
238938	2-wheel cart for Monark, President, high floor bottom spacer 567 mm	
287884	2-wheel cart for pumps with NXT – motor 3400/6500, high floor bottom spacer 813 mm	311164
247312	Adapter plate for cart 287 884 is also needed for pumps with MXT motor 2200	
236943	2-wheel cart for Premier, high floor bottom spacer 866 mm	308415
203650	2-wheel cart for 20 and 40 litre container	306436
237557	2-wheel cart bare, universal	308567
289694	2-wheel cart for new Merkur	
24A577	Stand for new Merkur	
111470	3-wheel cart for 200 litre drum	308154
203664	Hand elevator bracket fits cart 203650	306472
204510	Pump assembly set including air control set (Monark, President)	306568
204461	Pump assembly set including control for follower plate	306556
206232	Pump assembly set (Bull, King)	306287
207561	Air regulator kit elevator	306287
237579	Air regulator kit elevator for mounting on stainless steel covers	
206276	Air control set (Bulldog)	306781
204740	Base plate 60 l / 120 lbs	306523
205339	Base plate 200l	306556
205332	Elevator, 40 litre (Monark, President), stroke height 465 mm, extended 1.476 mm	306287
204121	Elevator, 60 litre (120 lb) bare (Fire-Ball) stroke height 743 mm	306522
204124	Elevator, 60 litre (120 lb) (Fire-Ball) stroke height 743 mm, with drum cover Ø internal 385 mm	
204385	Elevator, bare for Fire-Ball, Monark and President, stroke height 965 mm, extended 2.370 mm	306287
207408	Elevator, bare for Bulldog, King (heavy design), stroke height 897 mm, extended 2.439 mm	306287
237746*	Elevator (for drum cover mounted pump Mon. and Pres., with SST cover, elevator 204385)	306287
237902*	Elevator (for drum cover mounted pump, Bull; King only with SST cover, elevator 207408)	306287
241663*	Elevator (for drum cover mounted pump, for normal steel cover, elevator 204385)	306287
202777	Retaining ring, necessary for 237746, if normal steel cover plus bracket is used	306287
207562	Cover bracket (225758, only normal steel cover), bracket I.D. 24 7/8 = 631.83 mm mounting on 204385 or 207408	306287
204352	Elevator, complete for open 200 l drums, Monark, President, for bung hole pump also use mounting plate 184140	306568
204490	Elevator, complete (including 204385) 200 litre drum	306556

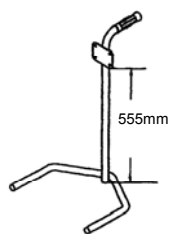
* the cover is not included !! Please order separately



237746 or 237902 elevator complete

incl. 237578 cover mount and
237579 air control kit,
fit's SST cover
(order cover separately)

RAMS AND STANDS



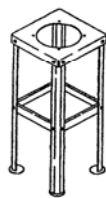
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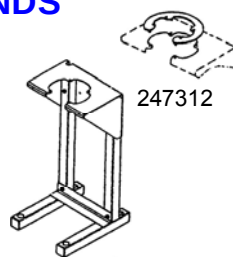
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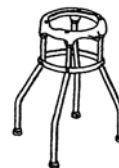
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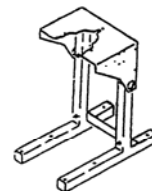
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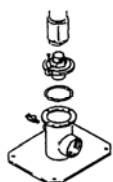
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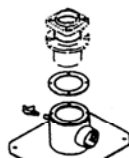
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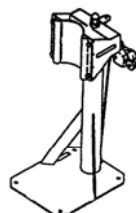
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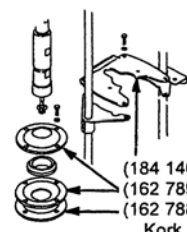
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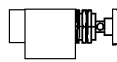
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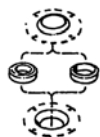
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113913



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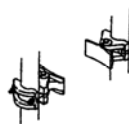


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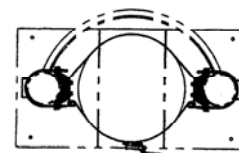
Clamps



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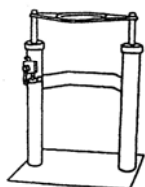


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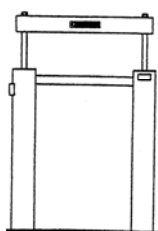
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Ram 3" D30



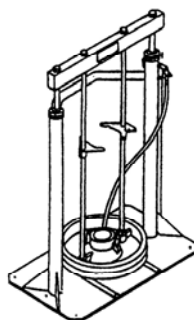
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Ram 3" & 6,5" D200 & D200S



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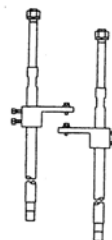
Ram 3" mit Folgeplatte



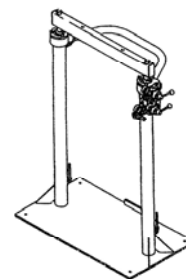
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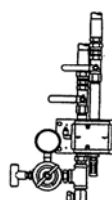
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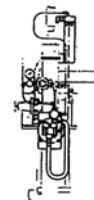
918309



234015
sanitary



918468
918393



918478
918396



244072

RAMS AND STANDS

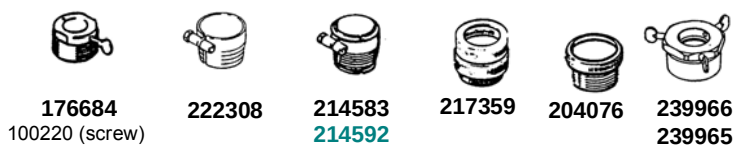
Part No.	Description	manual
206450	Single cylinder RAM, 20 litre, bare, stroke height 380 mm	306838
237636	Single cylinder RAM, 20 litre, bare for Check-Mate pump, 200/450 short Monark, President	306838
237561	Single cylinder RAM, 20 litre, bare for Check-Mate pump, 450/800 Bulldog, Senator	306838
237788	Single cylinder RAM, 19 litre, with air control 238724, for NXT- Air motor	312373
918405	Two-cylinder RAM, 3", 5 gallons, bare without accessories, stroke height 485 mm	310525
918495	Similar 918405 but with air control kit 918406 & shutoff/cock to follower plate	310525
241086	Two-cylinder RAM, 3", 30 l, bare without accessories, stroke height 610 mm	310525
255763	Two-cylinder RAM, 3", "D30", with air control kit 238724, stroke height (551mm)	312373
207279	Two cylinder RAM 3", 200 litre, with follower plate 238929 ring EPDM, note accessories	306934
255648	Two cylinder RAM "D200" 3" 200 liter, with air control kit 255650 For more RAM and accessories please look in chapter 1b NXT	312373
233087	Two-cylinder RAM 6.5", 200 litre bare, without accessories (follower plate rods etc.)	310523
244072	Air regulator kit 200 l, 6.5" RAM (global)	310524
918420	Two-cylinder RAM 6.5" hydraulic, 200 litre bare without accessories	310523
255688	Two-cylinder RAM "D200S" 6.5" hydraulic, 200 litre, with air control kit 255650	312373
918309	Rod mounting kit for Bulldog, King pumps in global RAM, cold application	310524
918304	Rod mounting kit for Premier pumps in global RAM, cold application	310524
184140	Mounting plate (without screws) for fitting Monark, President, Check-Mate in RAMs	306934
162225	Mounting plate from Fire-Ball 10:1, 50:1 & 75:1, in RAMs, mounting kit 247337	
224829	Assembly kit for mounting Check-Mate 200 in 200 litre RAM, incl. 161452 seal	308027
206537	Drum bracket kit for 200 litre RAM 207279	312373
C32463	Drum bracket for 6.5" 200l RAM (2 brackets required)	
918395	Drum bracket for 6.5", 200l RAM	
918397	Drum bracket for 6.5" (5 clamp's)	
113913	Valve 3way control, max 21Bar, brass, 1/8 -27,	
511270	Pneumatic signal horn	
222792	Kit of protective plates (qty 10) polyethylene for 200 l follower plate	
218743	Stand, Falcon, without the corresponding plate, 4 x 108175 foot plug and screws	308994
241915	Stand, Falcon	309022
24B577	Stand, new Merkur (NXT)	306720
205640	Stand for Bull, King, total height 640 mm	306720
205700	Stand for Bull, King, total height 945 mm	307678
218742	Stand for HF pump and pulsation dampeners	307837
220581	Stand for HF pump, Total height 952.5 mm	311619
253692	Stand, for pumps with NXT motors 3400/6500, Total height 1048 mm	
247312	Adapter plate for stand 253692 is also needed for pumps with NXT motor 2200	307551
217296	Stand, Foam-Cat, heater Total height 826 mm	
241693	Stand, Hydra-Cat, FRHC (Console 236061) Total height 826 mm	
223952	Floor stand, bare for 10:1 Bull and 20:1 King, SH, grease delivery, without seal and screws	307971
222780	Floor stand for Check-Mate 450, Dura Flo 1800 and 2400, material inlet 3" NPT	307971
245132	Floor stand for Xtreme pumps, material inlet 3" NPT(I)	
237961	Floor stand kit for Dura-Flo 600 and 750 with 1 1/2" inlet thread (including 222776)	
237781	Floor stand kit for Dura-Flo 900 and 1200 with 2" inlet thread (including 222776)	
222776	Assembly kit for assembling Check-Mate 450/2100 and Dura-Flo	308027
198347	Assembly adapter für 1-1/4"NPT(F) (64mm), <i>Xtreme Unterpumpe</i>	406513
245131	Floor stand kit for Xtreme – Pumpe (incl. adapter 198 347)	
190737	Assembly adapter for 1-1/2"NPT(M) (64mm), <i>Dura Flo 145cm³, 180cm³</i>	406305
237960	Floor stand kit for Dura Flo – Pumpe 145-180cm³ (incl. adapter 190737)	
237961	similar 237960 but with Adapter 222274 and valve ball 208390	
190166	Assembly adapter für 2"NPT(M) (64mm), <i>Dura Flo 220cm³, 290cm³</i>	406397
237392	Floor stand kit for Dura Flo – Pumpe 220-290cm³ (inkl. Adapter 190166)	
237781	similar 237392 but additional with Adapter 222274 and valve ball 208390	406297
160098	Sealing ring I.D. 50.8 mm seal packing on pump inlet and plate of the 200l RAM	
161452	Sealing ring I.D. 61.9 mm seal packing on pump inlet and plate of the 200l RAM	
180748	Sealing ring I.D. 70.6 mm seal packing on pump inlet and plate of the 200l RAM	
162789	Sealing plate I.D. 69.6 mm, 2 required (packing on pump inlet and plate of the RAM)	
108048	Sealing plate I.D. 79.4 mm, 2 required (packing on pump inlet and plate of the RAM)	
224266	Adapter kit, incl. Order O-ring to mount the 50/75:1 Pres. in 200 l RAM separately 160098	309345
224267	Adapter kit, incl. Order O-ring to mount the 50:1 Pres. in 200 l RAM separately 160098	
	Sanitary rams	
234015	Two cylinder RAM 3" sanitary stainless steel without follower plate, connection rods	310572
15B111	Follower plate Ø 546 mm (21.5"), stainless steel with inflatable neoprene seal incl. air regulator	309549
15B114	Follower plate Ø 571.5 mm (21.5"), stainl. steel with inflatable neoprene seal incl. air regulator	309549
947376	Connection rod RAM follower plate (2 required)	309505

Air Controls		manual
255650	Integrated Air Controls for D60, D200 and D200s, max.6,9bar, inlet 3/4npt	312374
24C824	Integrated Air Controls for D200 and D200s, max.6,9bar, inlet 3/4npt (Ram only, no pump control)	
257612	Air Controls for S20 3" ,20Liter Supply Systems, 6,9 bar, 1/2npt	
257613	Air Controls for L20 3" ,20Liter Supply Systems, 6,9 bar, 1/2npsm	

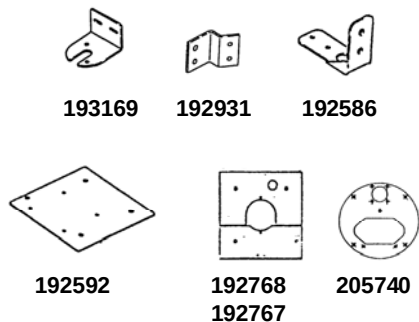
2-Button Interlock		manual
257615	Two-Button Interlock for D60 3", 60Liter Supply Systems	312374
255719	Two-Button Interlock for D200 3", 200Liter Supply Systems	
255720	Two-Button Interlock for D200s 6,5", 200Liter Supply Systems	

WALL, DRUM BRACKETS, SUCTION TUBES AND KITS

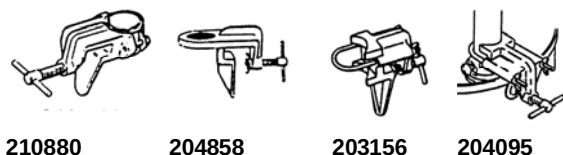
Bung holes



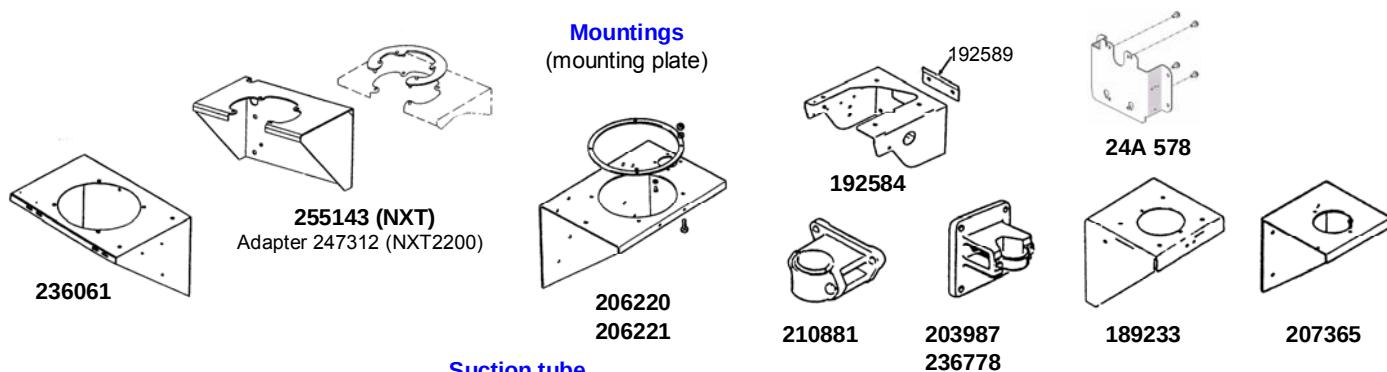
Mountings



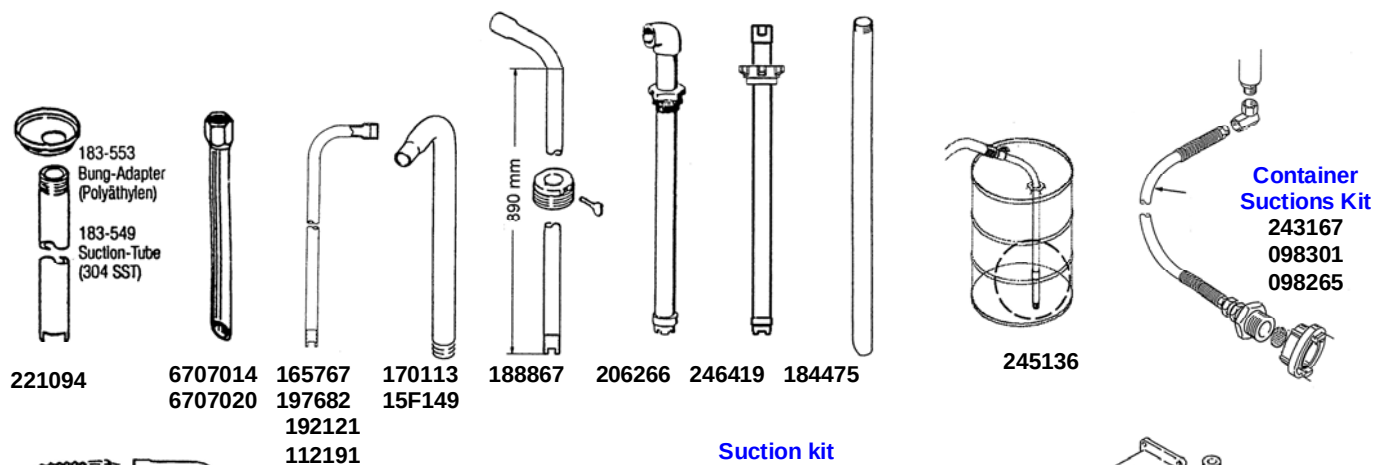
Drum clamp



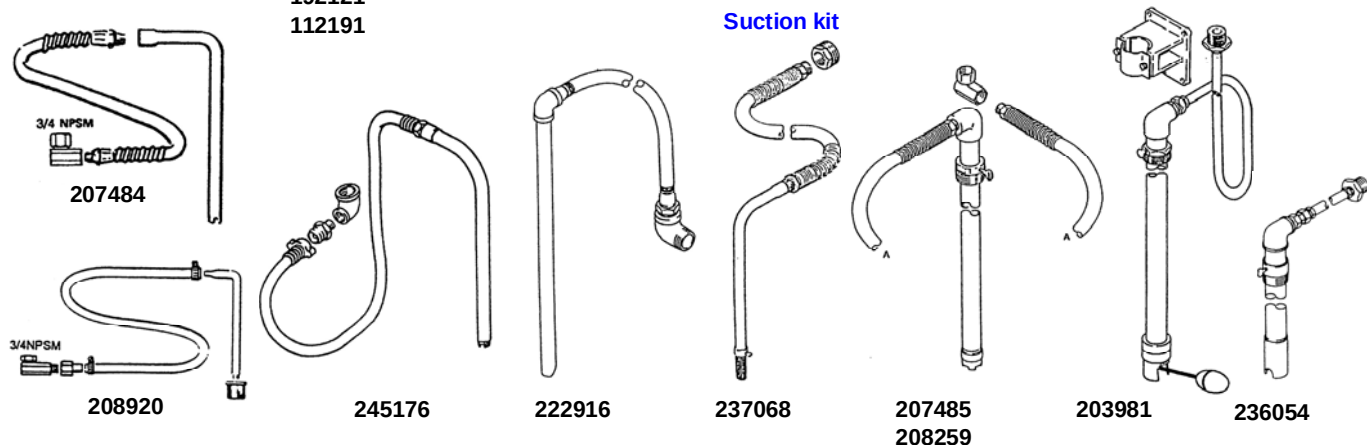
Mountings (mounting plate)



Suction tube



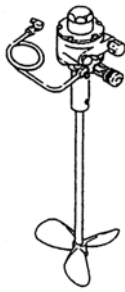
Suction kit



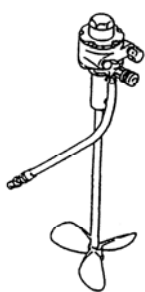
WALL, DRUM BRACKETS, SUCTION TUBES AND KITS

Part No.	Description	manual
176684	Bung adapter, suction tube 206 266, screw 100200 order separately (I.D. Ø 38.4)	308069
214583	Bung adapter, Fast-Flo (metric construction)	307427
222308	Bung adapter, Fire-Ball, 5:1 Monark, 10:1 President	306518
205573	Bung adapter, 5:1 Monark, 10:1 President stainless steel	308118
217359	Bung adapter, sealed, Fast-Flo (metric construction) I.D. Ø 51 mm	307552
204076	Bung adapter, Fast-Flo (O-ring seal) I.D. Ø 54.3 mm	306010
239966	Bung adapter, 2" x 32.76 I.D. Ø for 15/50:1 Fire-Ball	308900
239965	Bung adapter, 2" x 41.9 I.D. Ø for 50/75:1 President	308900
210881	Wall bracket, Fast-Flo (metric construction)	307427
203987	Wall bracket, Fast-Flo, 5:1 Fire-Ball	306508
207365	Wall bracket for 3/6:1 President / Wall kit, Monark, President – 3 connection rods	308394
24A578	Wall bracket new Merkur (NXT)	312798
210880	Drum bracket, Fast-Flo (metric construction)	307427
204858	Drum bracket, stainless steel for bunghole pump	307026
203156	Drum bracket for open drums	306305
204095	Drum bracket for fixing pumps up to Ø 54 mm in the 2" bunghole	306521
6720083	3 litre kit, 15/23:1 Monark, only kit 6711307,	309166
243496	5 litre kit, 395/495 St Pro, only kit 188787-787, strainer 112133 (previous 236342)	
224835	Wall kit, Husky 307/ 716/ 515	308553
189233	Wall kit, Husky 1040	308479
206220	Wall kit, Monark, President – 2 connection rods	306783
206221	Wall kit, Bull, King, Viscount II, Glutton	306783
236061	Wall kit, Hydra-Cat FRHC	306783
192584	Wall kit for President HF, Viscount I, plus plate for Husky 1040	308225
192589	Wall kit for console 192 584	308770/3
192592	Plate for mounting a Husky 1040 to wall kit 192 584	
255143	Wall console NXT motors 3400 / 6500	308773
247312	Adapter plate also necessary for NXT 2000 motors	311619
192767	Plate, front, for mounting Monark, President (3 connection rods) on kit 192584	
192768	Plate, rear, assembly together with 192 767	308757
192931	Bracket for mounting fluid pressure regulator 222121 on console 192584	
192586	Bracket for mounting fluid pressure regulator 236770 on console 192584	308757
193169	Bracket only for filter 240183	308768
205740	Plate, for mounting ¾:1 President, 2 connection rods in stands 205 640, 205 700 etc.	
6707014	Suction tube, ¾" NPT(I), 450 mm long for 20-30 I (steel), straight, OD Ø 20 mm	6000173
6707020	Suction tube, 1" NPT(I),(steel) , straight, OD Ø 28 mm	6000085
196094	Suction tube, straight ¾" NPT(A), for 200 I Ø 27 mm, stainless steel	309116
196095	Suction tube, straight ¾" NPT(A), for 200 I Ø 27 mm, aluminium	309116
196096	Suction tube, straight ¾" NPT(A), for 200 I Ø 27 mm, polypropylene	309116
184475	Suction tube, straight 1 ½" NPT(A), for 200 I (steel)	308179
165767	Suction tube, ¾" NPT(I), 90°, 450 mm, OD 21 mm for 20-30 I (alu)	306761
197682	Suction tube, 1" NPT(I), 90°, 464 mm for 20-40 I (alu), Ø 33.4 mm, 1" inlet thread	309329
192121	Suction tube, ¾" NPT(I), 90°, 450 mm for 20-40 I, OD Ø 21.5 mm for 20-40 I (alu ½" inlet thread)	
112191	Suction tube, ¾" NPT(I), 90°, 450 mm, OD 27 mm, (SST), with ¾" inlet thread	308333
183769	Suction tube, plug-in tube ¾", 90° for 20-30 I O.D. Ø 27 mm (alu with ½" thread)	307039
15F149	Suction tube, plug-in tube 1", 90° for 20-30 I (alu 1" thread), Ø 33	310893
206266	Suction tube, ¾" NPT(I), 90° for 200 I (steel) Ø 38 mm (ball 100279 can be used in the foot)	306787
246419	Suction tube, 1" NPT(I) straight, 200 I (steel) Ø38 with foot valve & sealed Sp adapter	309815
188867	Suction tube, ¾" NPT(I), 90° for 200 I, stainless steel, bung adapter 188940 and screw 100220 (5/16" – 18 UNC), (normal steel) must be ordered separately, SST 111276, inlet ¾"NPS	308332
207484	Suction set, 20-30 I with 1.05 m ¾" hose, connection thread ¾" NPS(I)	307039
208920	Suction set, 20-30 I with 1.2 m 1" hose, connection thread ¾" NPS(I)	307106
241634	Suction set without suction filter, with 1.2 m hose ¾" I.D. polyethylene core, 9/16-18 UNF	308994
245176	Suction set 20-40 I, Xtreme, with 1.8 m 1" hose, adapter 1"NPT(A), elbow 1"NPT(I) x 1 ¼" NPT(I)	309342
245136	Tube extension set for 245 176, can be used as 200 I suction set	
236054	Suction set, 200 I with 1.8 m ¾" Buna-N hose, connection thread 1 ½" NPT(A)	308335
207485	Suction set, 200 I with 1.8 m ¾" hose, connection thread ¾" NPS(I) (foot valve), A.D. Ø 38 mm	307111
208259	Suction set, 200 I with 1.8 m ¾" hose, connection thread ¾" NPS(I), O.D. Ø 38 mm	
221094	Suction set, ¾", 200 I Husky 715, bung adapter polyethylene, tube SST 1.4301	307855
237068	Suction set, 20-30 I with 1.8 m 1" hose with nylon core, bush 2"(A) and suction strainer	308415
222916	Suction set, 200 I with 2.4 m polyethylene hose 1 ½" I.D. connection 1 ½"	308179
223009	Suction set, (206266 and 221171)	
203981	Suction set, 200 I with 1.8 m ¾" Buna-N hose, connection 1 ½" NPT(A), float and console	306508
203992	Suction set, 200 I with 1.8 m ¾" Buna-N hose, connection 1 ½" NPT(A), shut-off float	306508
243167	Container suction set, 1", Mark V model 232173 and 245045	
098301	Container suction set, ¾" Mark V (with foot valve)	
098265	Container suction set, ¾", all units with ¾" NPT(A) thread at the pump inlet	EU 296

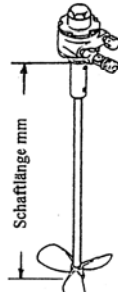
AGITATORS



204536



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222695
221096



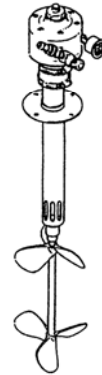
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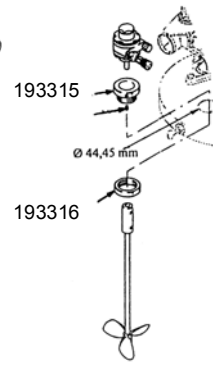
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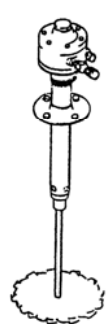


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206760
206758
222698

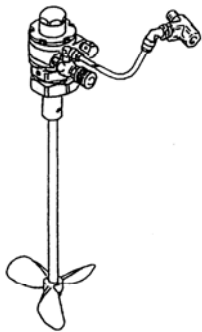


193315

193316



210067
210068



245081



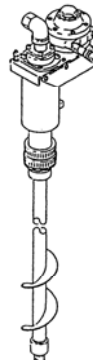
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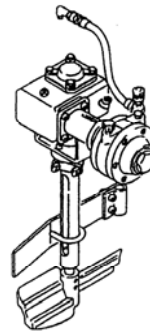
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235534



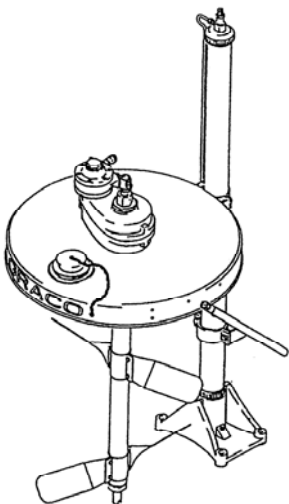
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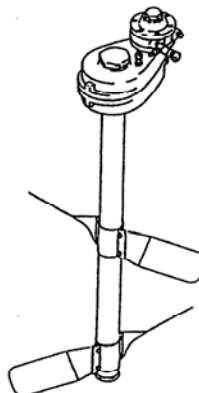
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236662
236663



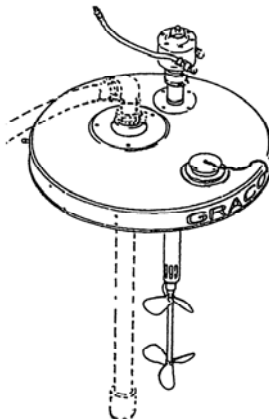
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24C729



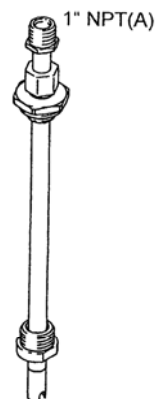
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239857



238157



207199



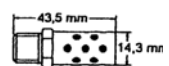
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191920



191606



113779



202659



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AGITATORS

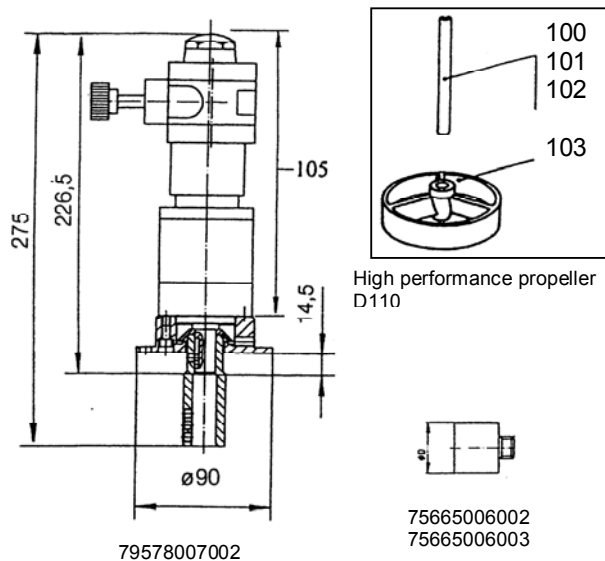
Part No.	Motor Part No.	Power	Description	blade Ø mm	manual
224571 222695 204536 221096 245081 193315	101687	0.2 kW	For 5 gallons stainless steel, needle valve, shaft length 325 mm For 5 gallons stainless steel, needle valve, air hose For 5 gallons stainless steel, airline For 5 gallons stainless steel for Husky 715 For 5 gallons stainless steel for Triton 308 cover mounting Adapter I.D Ø 31.83 mm, A.D; 43.64 mm for 0.2 kW agitator, separate 193316 nut, & 2 x 110272 clamping screw	96	306565 306565 306565 307857 309306 308822
224572 206758	101687 101140	0.2 kW 0.4 kW	For 10 gall. stainless steel, needle valve, shaft length 420 mm 200 l drum	96 140	306565
222698 206760 207953 207199 225883	101140 101388 101140 101140 101487	0.4 kW 0.8 kW 0.4 kW 0.4 kW 1.9 kW	200 l drum, stainless steel (one agitator vane) 0.8 kW 60 gallons Mix tanks 845 mm 0.4 kW 15 gallons Mix tanks 711 mm Complete with drum cover (237306 & adapt 206258) for 200 l drum Open 200 l drum with drum bracket	140 140 140 140 191	306840 306938 306426
226086 243340	101687	0.2 kW	5 gallons, agitator with pot cover, CS 5 gallons, agitator (224,571-571) with pot cover SST, without hand grip	96 96	306670 306565
203711 204995 206219 204482	101140	0.4 kW	200 l drum, siphon hose for drum cover with support base 200 l drum, H.D. pump for drum cover with support base 200 l drum, H.D. for drum cover without support base 200 l drum (for 2:1 standard)	140	306459 306459 306459 306558
205715	101487	1.9 kW	200 l drum, (cover fastening)	191	307277
210067 210068	101140	0.4 kW	15 gall. Mix tanks stainless steel 30 gall. Mix tanks stainless steel	203	307154
225831	101388	0.8 kW	Open 200 l drum bracket	140	306358
LSA-117/200			300 litre – 1100 litre tanks, use 5 micron air filter		310500
224854 235534	111310	1.1 kW	Twistork worm agitator, 200 l bunghole drum, max 10000 cP Twistork worm agitator, stainless steel, 200 l, 845 mm		308175
236629 236760	101140 112723	0.4 kW	Twistork with suction ¾", SST, reducing gear 1,82:1 Twistork with suction ¾", oilfree*, right-handed/left-handed rotation, SST, ratio 1.82		308345
236661 236662 236663	162425	0.4 kW	19 l (5 gall.) stainless steel, bronze, reducer 20:1 38 l (10 gall.) stainless steel, bronze, reducer 20:1 57 l (15 gall.) stainless steel, bronze, reducer 20:1	216	308371
238157 240209 231414 231413 239857	101140	0.4 kW	200 l drum, stainless steel, reducer 24:1, max 2000 cP Same as 238 157 with suction hose kit without agitator blades 200 l elevator- agitator kit with siphon hose kit (238250) 200 l elevator agitator kit without siphon hose 200 l elevator agitator kit fits 3:1 Pres. HF, Husky 1040 module	508	308609 308609 308609 308609 308769
Expanding Blade Mixer For center bung mounting only					
24C728	16A871	0,7 kW	Low Viscosity, up to 1000 centipoise, fit in 1-1/2" & 2" bung holes	89	313643
24C729	111310	1.1 kW	High Viscosity, up to 2000 centipoise, fit in 1-1/2" & 2" bung holes	89	
24G621	Agitator speed controller (Fits on air motors 101140 / 101388 / 111310 / 16A871)				3A1315
191920	Extension for 238157, total length 990 mm				
191606	Extension for 238157, total length 1.219 mm				
202659	Air motor oil 470 cm³ (1 pint)				
113779	Muffler ¼" NPT(A)				
207337	Repair kit for air motor 101687 (and R.P. 0.3 kW 6 bar)				
207335	Repair kit for air motor 101140 (and R.P. 0.56 kW 6 bar)				
207335	Repair kit for air motor 162425				
224954	Repair kit for air motor 111310				
207336	Repair kit for air motor 101388				
236996	Repair kit for air motor 112723				

For operation there should be an upstream oil fogger with acid-free lubricant with approx. 2-3° Engler (20 mm²/s), oil supply under load approx. 1-3 drops per minute. * = oil-free to maximum 1800rpm. Only motor 112723

Technical data

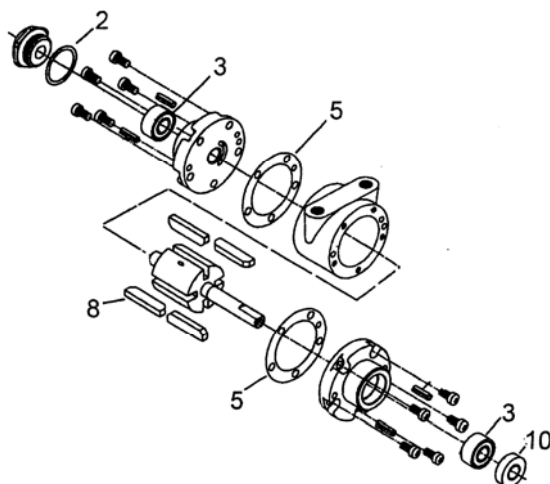
Motor power	0.2 kW at 6000 rpm and 5.6 bar	0.4 kW at 6000 rpm and 5.6 bar
Inlet air pressure	To max. 7 bar.	To max. 7 bar.
Speed range	500 to 6000 rpm	500 to 6000 rpm
Air consumption	70 l/min at 3000 rpm and 1.4 bar	1000 l/min at 3000 rpm and 1.4 bar
Motor power	0.8 kW at 1000 rpm and 6.3 bar	1.9 kW at 1000 rpm and 5.6 bar
Inlet air pressure	To max. 7 bar.	To max. 7 bar.
Speed range	300 to 3000 rpm	300 to 2500 rpm
Air consumption	230 l/min at 1000 rpm and 1.4 bar	650 l/min at 500 rpm and 1.4 bar

AGITATORS GV



Pos.	Name	Note	Item No.
100	Shaft	D 16, L300	76620020003
101	Shaft	D 16, L450	76620020005
102	Shaft	D 16, L800	76620020008
103	Propeller	D110	77368008001
104	Hose	8/6, L*	70346008002
105	Compr. air motor	spare part	75971011005

Part No.	Description	manual
79578007002	Agitator motor 0.6 kW/6 bar with reducing gear 1:25, shaft rotational speed 40 – 159 rpm	IT1.18.10.15B
76620020003	Shaft Ø 16 mm, length 300, SST 1.4305	
76620020005	Shaft Ø 16 mm, length 450, SST 1.4305	
76620020008	Shaft Ø 16 mm, length 800, SST 1.4305	
77368008001	Propeller Ø 110 mm	
75665006002	Muffler 1/8", Ø 24 mm	
75665006003	Muffler 1/4", Ø 24 mm	
65476005002	Repair kit for 0.5 kW motor, contains: 2 bearings, 4 vanes Shaft seal, 3 housing seals and end cap seal	



65476 005002 Repair kit contains:

Pos.:	Name:	Quantity:
2	End cap seal	1
3	Ball bearing	2
5	Housing seal	2
8	Vane	4
10	Shaft seal	1

HEATERS & HEATER BAND`S

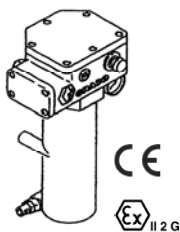


256257

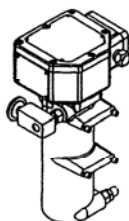
HD – heater



226819
226816



245848
245863
246254



245867
245869
246276

CE



192585
Wall mounting

Drum heating band



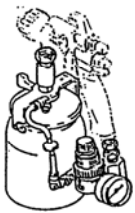
15F028
Connection:
black – L1
white – N
green – GND

Part No.	Type NPT Thread	Description	manual
237947	HD heater 245-863 , 240 Volt and electric cable		309524
239852	HD heater 245-863 , 240 Volt and ½" 0.60 m hose max 35 bar , fittings & bracket		308771
239850	HD heater 245-848 , 120 Volt and ½" 0.60 m hose max 35 bar , fittings & bracket		
226816	HD heater, 207 bar, 120 Volt , 2100 Watt, 18 Ampere		307363
226819	HD heater, 207 bar, 240 Volt, 2100 Watt, 9 Ampere		
245848	Heater, 500 bar, stainless steel , 120 Volt , 2300 Watt, 19.2 Ampere Hazardous EEx d IIB T2 (250°C)		309524
245863	Heater, 500 bar, stainless steel , 240 Volt, 4000 Watt, 16.7 Ampere Hazardous EEx d IIB T2 (250°C)		
246254	Heater, 500 bar, stainless steel , 380 Volt, 4000 Watt, 10.5 Ampere Hazardous EEx d IIB T2 (250°C)		
245867	Heater, 500 bar, stainless steel , 120 Volt , 2300 Watt, 19.2 Ampere without Hazardous		309524
245869	Heater, 500 bar, stainless steel , 240 Volt, 4000 Watt, 16.7 Ampere without Hazardous		
246276	Heater, 500 bar, stainless steel , 380 Volt, 4000 Watt, 10.5 Ampere without Hazardous		

256257	240V 1PH Immersion Heater (used in Hopper XM- Unit's)	
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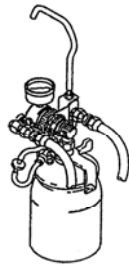
Part No.	Type BSP thread	Description	6000304
15F028		Drum heating band, 200l drum, 230 V, 1000 Watt, 4.5 Amp., 76 mm wide Connection (black & white 230V) green =GND	
Accessories			
77214017003		Bracket G-¾" can swivel, stainless steel	
76640005001		Double nipple G ⅝ (A) x G ⅝ (A), stainless steel	
76639016003		Reducing nipple G ⅝ (A) x G ¼ (A), stainless steel	
75791002001		Dial indicating thermometer 0 – 120 °C	
74050039003		Set screw M5 x 5	
192585		Wall bracket for model 237947 to 246254	

PRESSURE POTS



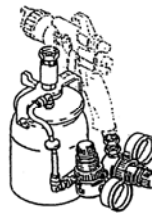
239802 Pressure Pot

SST, 0.95 litre,
with check valve /
air-regulator /
relief valve /



239804 Pressure Pot

SST, 0.95 litre,
with check valve / air-regulator /
relief valve / hose kit 1.8 m /



239803 Pressure Pot

SST, 0.95 litre,
with check valve / two air-
regulators / relief valve



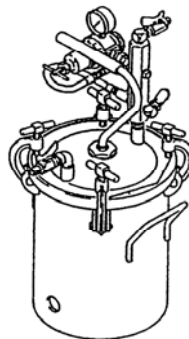
244130



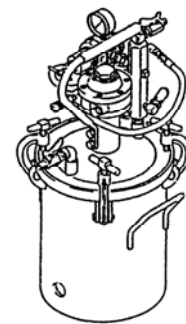
214627 (1.9 litre)



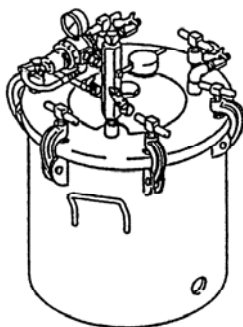
171226
223833
240045
(9.5 litres)



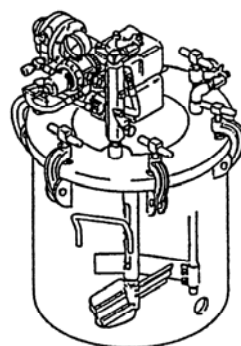
236155
236157
(7.5 litre)



236156
236158
(7.5 litre)



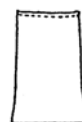
236143
236144
236145
236149
236150
236151



236146
236147
236148
236152
236153
236154



112632
112077
112078
111330
112633



112490
112491
M70695



117572
117575
103994
244953
117571
117574



189883
M70424
240265
198905
M71425
183337

PRESSURE POTS

Part No.	Description		manual
244130	Siphon cup/pressure pot, aluminium,	0.95 l	309205
239802	Pressure pot, stainless steel ,	0.95 l max 0.8 bar, 1.8 m hose kit, single air regulator	308791
239803	Pressure pot, stainless steel ,	0.95 l max 0.8 bar, 1.8 m hose kit, double air regulator	
239804	Pressure pot, stainless steel ,	0.95 l max 0.8 bar, 1.8 m hose kit, remote	
214627	Pressure pot, aluminium,	1.9l max 3.5 bar, 1.8 m hose kit	307318
287819	Pressure pot, aluminium,	with air regulator kit and hose kit	311359
287302	Pressure pot (287819)	bare	311359
171226	Pressure pot, aluminium,	9.5 l max 3.5 bar,	307133
240045	Pressure pot, aluminium, inside PTFE,	9.5 l max 3.5 bar, with air regulator	309243
236155	Pressure pot, stainless steel ,	7.5 l, max 1.1 bar,	308370
236156	Pressure pot, stainless steel ,	7.5 l, max 1.1 bar, with agitator	
236157	Pressure pot, stainless steel ,	7.5 l, max 7.0 bar,	
236158	Pressure pot, stainless steel ,	7.5 l, max 7.0 bar, with agitator	
236143	Pressure pot, stainless steel ,	19.0 l, max 1.05 bar,	308369
236144	Pressure pot, stainless steel ,	38.0 l, max 1.05 bar,	
236145	Pressure pot, stainless steel ,	57.0 l, max 1.05 bar,	
236146	Pressure pot, stainless steel ,	19.0 l, max 1.05 bar, with agitator	308369
236147	Pressure pot, stainless steel ,	38.0 l, max 1.05 bar, with agitator	
236148	Pressure pot, stainless steel ,	57.0 l, max 1.05 bar, with agitator	
236149	Pressure pot, stainless steel ,	19.0 l, max 7.0 bar,	308369
236150	Pressure pot, stainless steel ,	38.0 l, max 7.0 bar,	
236151	Pressure pot, stainless steel ,	57.0 l, max 7.0 bar,	
236152	Pressure pot, stainless steel ,	19.0 l, max 7.0 bar, with agitator	308369
236153	Pressure pot, stainless steel ,	38.0 l, max 7.0 bar, with agitator	
236154	Pressure pot, stainless steel ,	57.0 l, max 7.0 bar, with agitator	

Accessories

240266	Polyethylene insert bag kit (qty 40)	for 0.95 l pressure pot	308791
112491	Polyethylene insert bag kit (qty 40)	for 1.94 l pressure pot	307318
M70695	Polyethylene insert bag kit (qty 5)	for 9.5 l pressure pot	
15D058	Polyethylene (liner) insert cup kit (qty 20)	for 7.5 l pressure pot	307133
112077	Polyethylene (liner) insert pot kit (qty 5)	for 9.5 l pressure pot	
112078	Polyethylene (liner) insert pot kit (qty 25)	for 9.5 l pressure pot	
15D059	Polyethylene (liner) insert pot kit (qty 20)	for 19.0 l pressure pot	
15D060	Polyethylene (liner) insert pot kit (qty 20)	for 36.0 l pressure pot	
15D061	Polyethylene (liner) insert pot kit (qty 8)	for 57.0 l pressure pot	

Cover gasket

Material	for Item	diameters	
189883	Polyethylene, for 0.95 litre pressure pot HVLP & Delta siphon cup,	(88.77 - 78.99mm)	308791
M70424	Polyethylene, for 240-260, 1.0 litre suction cup/pressure pot HVLP,	(88,90 - 69,98mm)	308810
240265	Kit, (5 x M70424) look above!		308336
198905	Polyethylene, for M70-962, 1.94 litre pressure pot,	(94.57 - 78.70mm)	308832
120132	Polyethylene, for 287 819,	(95,25 - 73,15mm)	311359
287821	Kit, (5 x 120132) look above!		
15F346	Viton CV-75, for 287 819, 1.9 litre pressure pot,	(113,8 - 99,3mm)	311359
287404	Kit, (5 x 15F346) look above!		
198905	Polyethylene, for 244 732, 1.9 litre,	(94,5 - 78,7mm)	
M71425	Kit, (5 x 198905) look above!		
183337	Polyethylene, for 214627 1.9 l pressure pot,	(89.60 - 72.9mm)	307318
117572	Santoprene, for 7.5 l pressure pot,	(251,2 - 217,3mm)	308370
117575	PTFE coated, for 7.5 l pressure pot,	similar above!	
103994	Buna-N, for 9.5 l pressure pot,	(215,9 - 203,2mm)	307133
244953	Polyethylene, for 9.5 l pressure pot, Kit (qty 3),	(228,6 - 213,4mm)	308832
M70616	EDPM, for 9.5 l pressure pot,	similar above!	
117571	Santoprene, for 19.0 l, 38.0 l, 57.0 l pressure pot	(384,3 - 345,2mm)	308369
117574	PTFE coated, for 19.0 l, 38.0 l, 57.0 l pressure pot	similar above!	

Chapter 19

Dispensing guns

&

hose reels

Hose Reels

LD

SD

XD



LD Series

Single Pedestal Frame, Composite Spool, Indoor use

Application	Blue	White	Red	Black	Dark blue	Yellow	Bar	Hose ID	Length (m)	Inlet NPS(m)	Outlet NPT(m)
Air/Water	HRL56B	HRL56A	HRL56C	HLR56D	HLR56E	HLR56F	21	3/8"	20	1/2"	3/8"
	HRL65B	HRL65A	HRL65C	HLR65D	HLR65E	HLR65F	21	1/2"	15	1/2"	1/2"
Petroleum Synth. oils	HRM65B	HRM65A	HRM65C	HRM65D	HRM65E	HRM65F	138	1/2"	15	1/2"	1/2"
Grease	HRH55B	HRH55A	HRH55C	HRH55D	HRH55E	HRH55F	276	3/8"	15	3/8"	1/4"

SD Series

Single Pedestal Frame, Metal Spool, Indoor and Moderate Outdoor Use

Application	Blue	White	Red	Black	Dark blue	Yellow	Bar	Hose ID	Length (m)	Inlet NPS(m)	Outlet NPT(m)
Air/Water	HPL23B	HPL23A	HPL23C	HPL23D	HPL23E	HPL23F	21	3/8"	11	1/2"	3/8"
	HPL25B	HPL25A	HPL25C	HPL25D	HPL25E	HPL25F	21	3/8"	15	1/2"	3/8"
	HPL33B	HPL33A	HPL33C	HPL33D	HPL33E	HPL33F	21	1/2"	11	1/2"	1/2"
	HPL56B	HPL56A	HPL56C	HPL56D	HPL56E	HPL56F	21	3/8"	20	1/2"	3/8"
	HPL65B	HPL65A	HPL65C	HPL65D	HPL65E	HPL65F	21	1/2"	15	1/2"	1/2"
Petroleum Synth. oils	HPM33B	HPM33A	HPM33C	HPM33D	HPM33E	HPM33F	138	1/2"	11	1/2"	1/2"
	HPM35B	HPM35A	HPM35C	HPM35D	HPM35E	HPM35F	138	1/2"	11	1/2"	1/2"
	HPM65B	HPM65A	HPM65C	HPM65D	HPM65E	HPM65F	138	1/2"	15	1/2"	1/2"
	HPM65B	HPM65A	HPM65C	HPM65D	HPM65E	HPM65F	138	1/2"	15	1/2"	1/2"
Grease	HPH15B	HPH15A	HPH15C	HPH15D	HPH15E	HPH15F	345	1/4"	15	3/8"	1/4"
	HPH23B	HPH23A	HPH23C	HPH23D	HPH23E	HPH23F	276	3/8"	11	3/8"	1/4"
	HPH1DB	HPH1DA	HPH1DC	HPH1DD	HPH1DE	HPH1DF	345	3/8"	11	3/8"	1/4"
	HPH55B	HPH55A	HPH55C	HPH55D	HPH55E	HPH55F	276	3/8"	15	3/8"	1/4"
	HPH5DB	HPH5DA	HPH5DC	HPH5DD	HPH5DE	HPH5DF	276	3/8"	15	3/8"	1/4"

XD Series

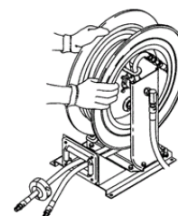
Dual Pedestal Frame, Metal Spool, Rugged, Indoor and Outdoor Use

Application	Blue	White	Yellow	Bar	Hose ID	Length (m)	Inlet NPS(m)	Outlet NPT(m)
Air/Water	HSL25B	HSL25A	HSL25F	21	3/8"	15	1/2"	3/8"
	HSL33B	HSL33A	HSL33F	21	1/2"	11	1/2"	1/2"
	HSL56B	HSL56A	HSL56F	21	3/8"	20	1/2"	3/8"
	HSL65B	HSL65A	HSL65F	21	1/2"	15	1/2"	1/2"
Petroleum Synth. oils	HSM33B	HSM33A	HSM33F	138	1/2"	11	1/2"	1/2"
	HSM35B	HSM35A	HSM35F	138	1/2"	11	1/2"	1/2"
	HSM65B	HSM65A	HSM65F	138	1/2"	15	1/2"	1/2"
	HSM65B	HSM65A	HSM65F	138	1/2"	15	1/2"	1/2"
Grease	HS15B	HS15A	HS15F	345	1/4"	15	3/8"	1/4"
	HS1DB	HS1DA	HS1DF	276	3/8"	11	3/8"	1/4"
	HS55B	HS55A	HS55F	276	3/8"	15	3/8"	1/4"
	HS5DB	HS5DA	HS5DF	276	3/8"	15	3/8"	1/4"

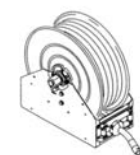
Hose reel
Serie 500 / 350



Part-No.	Description	Manual
224060	Hose reel bare, 3/8" max 550 bar, cs	308109
224050	Hose reel bare, 1/2" max 124 bar, cs	
224055	Hose reel series 500 (grease), 1/4", 15 m hose, 345 bar	
224056	Hose reel (grease), 3/8", 15 m hose, 280 bar	
224058	Hose reel (oil), 1/2", 15 m hose, 126 bar	
224051	Hose reel (air/water), 3/8", 18 m hose, 21 bar	308400
237020	Hose reel, bare, max 124 bar	
237030	Hose reel, bare, max 552 bar, series 350,	
237032	Hose reel (grease), 1/4", 15 m hose, 350 bar	
237022	Hose reel (oil) 1/2" I.D., 1/2"NPT(m), 15 m hose, 124 bar	
238213	Hose reel (air, water) 3/8" I.D., 3/8"NPT(m) x 1/2"NPT(m), 18 m hose, 12.5 bar, shaft SST	308546
237728	Hose reel bare, series 700, max. 103 bar,	
245410	Hose reel, bare series 750, 25 bar, for Husky pumps, in 1 1/2", out 1 1/4"	
206941	Hose reel (two hoses)	306864
+ 218340	Hose stopper 6-11 mm hose	
+ 218341	Hose stopper 12-23 mm hose	



206941



237728
245410

Hose Reels

LD enclosed



LD Series enclosed

Manual 313938

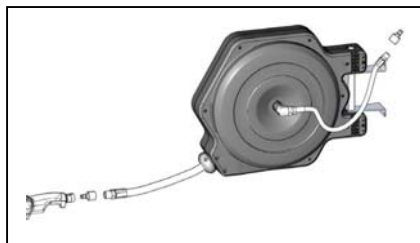
EC declaration: 199314

Model N°	Application	Hose size	Maximum pressure		Inlet kit *
			PSI	Bar	
HEL13D	Air only	6mm x 10m	250	17.2	24C437
HEL15D	Air only	6mm x 15m	250	17.2	24C437
HEL23D	Air / water	10mm x 10m	250	17.2	24C438
HEL25D	Air / water	10mm x 15m	250	17.2	24C438
HEL33D	Air / water	12mm x 10m	250	17.2	24C438
HEL34D	Air / water	10mm x 14m	250	17.2	24C438
HEM23D	Oil	10mm x 10m	1800	124	24C440
HEM33D	Oil	12mm x 10m	1800	124	24C441
HEH13D	Grease	6mm x 10m	5000	345	24C442

* Must be ordered separately

Inlet Hose adapter kit

Manual 313940



Notes:

OIL AND GREASE DISPENSING GUNS, HOSE REELS

SD_5 / Matrix extension kits / XDV20 extension kits / SDV15 extension kits
non-drip quick close, nozzle with, rigid extension

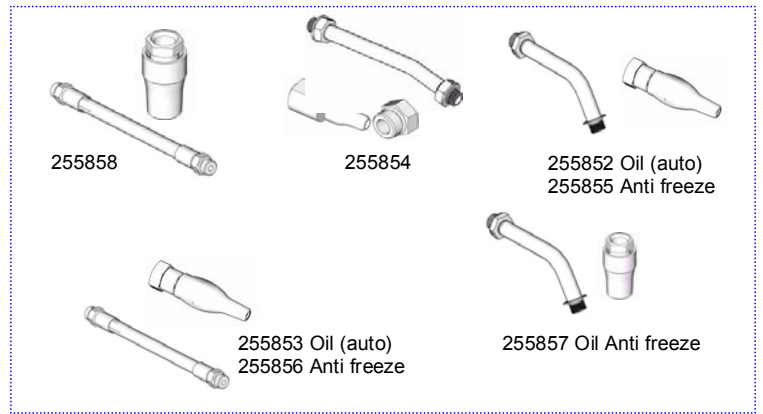
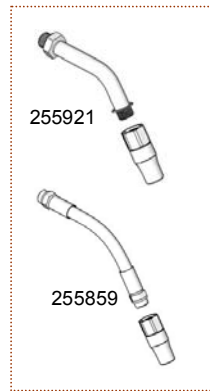


SDV 15Valve

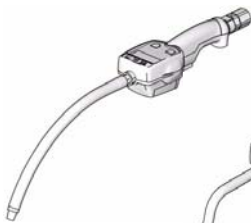
247712, 247713, 247714,
247715, 247716, 247717,

XDV 20Valve

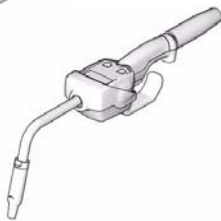
247718, 247721, 247722,
247723, 247724, 247725,



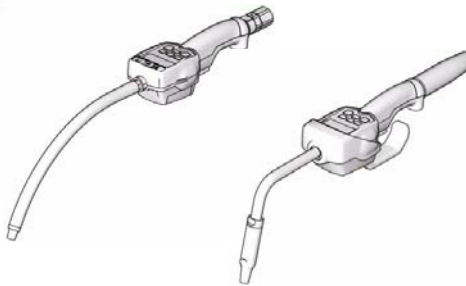
LDM5 & LDP5



255751

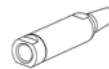


256215



255277

256216



239829 Oil & Anti freeze Nozzle



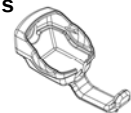
238371 gear Lube Nozzle

color-cover's



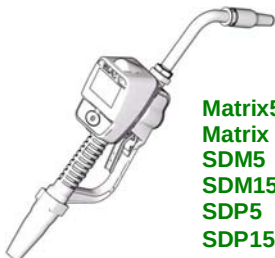
Boot

black	191294
red	191287
blue	191288
green	191289
yellow	191295



Impact Guard

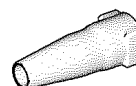
247759
243835
243836
243837
247760



Matrix5
Matrix 15
SDM5
SDM15
SDP5
SDP15

black
red
blue
green
yellow

Boot
15T366
15T367
15T368
15T369
15T370



Bracket
Drum mount
15B750

OIL AND GREASE DISPENSING GUNS

Part-No.	Description	manual	
SDV15 Valves Models XDV 20 Non metered Valve Models			
247712	SDV15 ½" npt (f) Dispensing valve 19L/min, automatic non-drip, rigid extension, quick close, for oil	312789	
247713	SDV15 ½" npt (f) Dispensing valve 19L/min, automatic non-drip, flexible extension, quick close, for oil		
247714	SDV15 ½" npt (f) Dispensing valve 19L/min, non-drip, gear lube extension, quick close		
247715	SDV15 ½" npt (f) Dispensing valve 19L/min, non-drip, rigid extension, quick close, for anti freeze		
247716	SDV15 ½" npt (f) Dispensing valve 19L/min, non-drip, flexible extension, quick close, for anti freeze		
247717	SDV15 ½" npt (f) Dispensing valve 19L/min, ¾"-16(f) straight thread, quick close, no extension		
247718	Dispensing gun XDV20 ½" npt (f) inlet and 7/8 " outlet tube and tip, motor oil and anti freeze		
247721	Dispensing gun XDV20 ½" npt (f) inlet and 7/8 " outlet hose and tip, motor oil and anti freeze		
247722	Dispensing gun XDV20 ¾" npt (f) inlet and 7/8 " outlet tube and tip, motor oil and anti freeze		
247723	Dispensing gun XDV20 ¾" npt (f) inlet and 7/8 " outlet hose and tip, motor oil and anti freeze		
247724	Dispensing gun XDV20 ½" npt (f) inlet and 7/8 " outlet bare (without outlet tube or tip)		
247725	Dispensing gun XDV20 ¾" npt (f) inlet and 7/8 " outlet bare (without outlet tube or tip)		
+ 256164	Filter kit for SDV15 (10 pieces Filter/Strainers)		
255921	Rigid extension Anti-freeze/Oil for XDV20	255859	Flex. extension Anti-freeze/Oil for XDV20
255857	¾" outlet tube and tip, motor oil & anti freeze SDV15	255858	¾" outlet hose and tip, motor oil & anti freeze SDV15
LDM 5 = flow meter LDP 5 = flow meter „adjustable“			
255751	Manual flow meter LDM 5 electr. 9 Volt, inlet ½", ¾" hose, max 18,9 L/min, 69 bar	312668	
255277	Manual flow meter LDP 5 electr. 9 Volt, inlet ½", ¾" hose, max 18,9 L/min, 69 bar		
256215	Manual flow meter LDM 5 electr. 9 Volt, inlet ½", ¾" tube, 75° elbow, max 18,9 L/min, 69 bar		
256216	Manual flow meter LDP 5 electr. 9 Volt, inlet ½", ¾" tube, 75° elbow, max 18,9 L/min, 69 bar		
+ 255 884	Filter kit for LDM5 and LDP5 (10 pieces Filter/Strainers & 10 pieces O-Rings)	313015	
+ 255861	Automatic nozzle with flexible extension for anti freeze	312668	
+ 239949	Automatic thermal compensating nozzle with rigid extension for oil and anti freeze		
+ 239951	Automatic thermal compensating nozzle with flexible extension for oil and anti freeze		
+ 239950	Automatic thermal compensating nozzle with rigid extension for gear lube		
238371	Nozzle Gear Lube	239 829	Nozzle Oil and Anti-Freeze
+ 257350	Upgrade EM5 to LDM5	+ 257 351	Upgrade PM5 to LDP5
SD Series Meters SDM5 (19L/min or less) SDM15(53L/min or less) SDP5 (19L/min or less) SDP15(53L/min or less)			
255350	SDM5 ½" npt(f) swivel, rigid extension and standard automatic non-drip quick-close nozzle for oil	312865	
255348	SDM5 ½" npt(f) swivel, flexible extension and standard automatic non-drip quick-close nozzle for oil		
255349	SDM5 ½" npt(f) swivel, gear lube extension and standard quick-close nozzle		
255802	SDM5 ½" npt(f) swivel, rigid extension and standard quick-close nozzle for anti freeze		
255803	SDM5 ½" npt(f) swivel, flexible extension and standard quick-close nozzle for anti freeze		
256836	SDM15 ½" npt(f) swivel, rigid extension, high flow, quick-close nozzle for oil		
256837	SDM15 ½" npt(f) swivel, flexible extension, high flow, quick-close nozzle for oil		
255800	SDM15 ¾" npt(f) swivel, rigid extension, high flow, quick-close nozzle for oil		
255801	SDM15 ¾" npt(f) swivel, flexible extension, high flow, quick-close nozzle for oil		
255200	SDP5 ½" npt(f) swivel, rigid extension and standard automatic non-drip quick-close nozzle for oil		
255351	SDP5 ½" npt(f) swivel, flexible extension and standard automatic non-drip quick-close nozzle for oil		
255352	SDP5 ½" npt(f) swivel, gear lube extension and standard quick-close nozzle		
255355	SDP5 ½" npt(f) swivel, rigid extension and standard quick-close nozzle for anti freeze		
255356	SDP5 ½" npt(f) swivel, flexible extension and standard quick-close nozzle for anti freeze		
256838	SDP15 ½" npt(f) swivel, rigid extension, high flow, quick-close nozzle for oil		
256839	SDP15 ½" npt(f) swivel, flexible extension, high flow, quick-close nozzle for oil		
255353	SDP15 ¾" npt(f) swivel, rigid extension, high flow, quick-close nozzle for oil		
255354	SDP15 ¾" npt(f) swivel, flexible extension, high flow, quick-close nozzle for oil		
+ 255885	Filter kit for SD Series, 10p. Filter/Strainers(15M308) & 10p. Spacers (15M309) & 10p. O-Rings (155332)		
Matrix® 5 & Matrix® 15 Meters			
256282	Matrix 5, ½ " npt(f) swivel, rigid extension, standard, automatic , non-drip, for oil	313046	
256482	Matrix 5, ½ " npt(f) swivel, flexible extension, standard, automatic , non-drip, for oil		
256483	Matrix 5, ½ " npt(f) swivel, gear lube extension, standard, for Gear Lube		
256484	Matrix 5, ½ " npt(f) swivel, rigid extension, standard, for Anti-Freeze		
256485	Matrix 5, ½ " npt(f) swivel, flexible extension, standard, for Anti-Freeze		
256486	Matrix 5, ½ " npt(f) swivel, rigid extension, High Flow, for oil		
256487	Matrix 5, ½ " npt(f) swivel, flexible lube extension, High Flow, for oil		
256488	Matrix 5, ¾ " npt(f) swivel, rigid extension, High Flow, for oil		
257120	Matrix 5, ¾ " npt(f) swivel, flexible extension, High Flow, for oil		
257539	Matrix 5, none swivel, none extension, none nozzle, for oil		
255852	Automatic non-drip quick-close nozzle rigid extension for oil		
255853	Automatic non-drip quick-close nozzle rigid extension for oil		
255854	Non-drip quick-close nozzle with rigid extension for gear lube		
255855	Non-drip quick-close nozzle with rigid extension for anti freeze		
255856	Non-drip quick-close nozzle with flexible extension for anti freeze		
255857	Non-drip quick-close high-flow nozzle with rigid extension for oil and anti-freeze		
255858	Non-drip quick-close high-flow nozzle with flexible extension for oil and anti-freeze		
+ 255459	Automatic non-drip quick-close nozzle only for oil		
+ 255460	Quick close nozzle only anti freeze		
+ 255470	Quick close nozzle only for gear oil		
+ 255461	Quick-close high-flow nozzle only for oil and anti freeze		
15T366	Inlet swivel covers for SD Series BLACK	15T368	Inlet swivel covers for SD Series BLUE
15T367	Inlet swivel covers for SD Series RED	15T369	Inlet swivel covers for SD Series GREEN
15T370	Inlet swivel covers for SD Series YELLOW		

+ not shown.

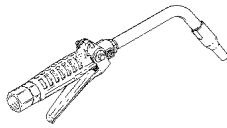
OIL AND GREASE DISPENSING GUNS

V5 - V12 - EM6 - and EM12 - Dispense Valves

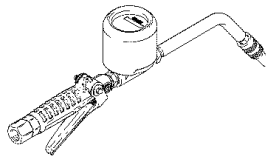
Bare Valve



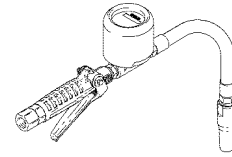
Model V12



Model EM6

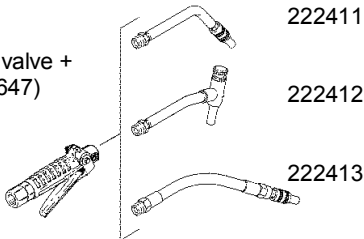


Model EM12



Model V5

bare valve +
(238647)

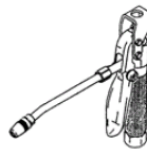


222411

222412

222413

Pro-Shot



242055
242056
242057
242058

Z-Swivel



202577
202579
224569

FlowMeter

IM6

IM5



244076



239824

Tube extension



191126
191128
191130
191131

Swivel



204083
204084

Flow Valve



203688



204072



203504



110218



109145
112255
109148



204204



200325



205532



205582



201881



200389

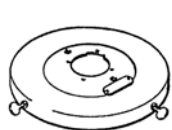
OIL AND GREASE DISPENSING GUNS

Part No.	Description	manual
238646	Bare valve 3/4", with trigger lock,	308642
238647	Bare valve 1/2", with trigger lock,	
243992	Bare valve 1/2", without trigger lock,	
	V12 – with trigger lock (With Extension)	
238644	Dispense Valves, 3/4 in. swivel, rigid extension (191403),	
238645	Dispense Valves, 3/4 in. swivel, flex extension (238652),	
238651	Dispense Valves, 1/2 in. swivel, rigid extension (191403)	
238652	Dispense Valves, 1/2 in. swivel, flex extension (238652)	
	V5 - with trigger lock	
222411	Dispense Valves, for oil	
222412	Dispense Valves, for gear lube	
222413	Dispense Valves, for anti freeze	
	EM12 - Metered Valves (Metric Meter), with trigger lock	
238642	Manual flow meter EM 12, 1/2" inlet, outlet 1/2" rigid extension,	
238643	Manual flow meter EM 12, 1/2" inlet, outlet 1/2" flex extension,	
238638	Manual flow meter EM 12, 3/4" inlet, outlet 1/2" rigid extension,	
238639	Manual flow meter EM 12, 3/4" inlet, outlet 1/2" flex extension,	
	EM06 - Metered Valves (Metric Meter), without trigger lock	
243602	Manual flow meter EM 6, 1/2" inlet, outlet 1/2" rigid extension,	
243603	Manual flow meter EM 6, 1/2" inlet, outlet 1/2" gear lube,	
246604	Manual flow meter EM 6, 1/2" inlet, outlet 1/2" flex extension,	
242055	Pro-Shot Lubricating gun, 1/4" NPT(f) inlet, bare with safety latch	309032
242056	Pro-Shot Lubricating gun, 1/4" NPT(f) inlet, bare with discharge tube hydraulic coupling and safety latch	
242057	Pro-Shot Lubricating gun, 3/8" NPT(f) inlet, bare with safety latch	
242058	Pro-Shot Lubricating gun, 3/8" NPT(f) inlet, with discharge tube hydraulic coupling and safety	
204083	Swivel, straight, 1/4" NPT(m) x 1/4" NPT	306708
204084	Swivel, straight, 1/4" NPT(m) x 1/4" NPT	
202577	Z-swivel, 1/4"	
202579	Z-swivel, 3/8" NPT(m) x 1/4" NPT	
224569	Z-swivel, 3/8"	
244076	Flow meter IM6, electr. max 45,4 L/min, max 103 bar	307965
239824	Flow meter IM5 electr., 9 Volt, max 34 bar max 18,9 L/min	308687
	Tube extension, fits: 1:1 Fast-Ball, 5:1/10:1 Fire-Ball	
191126	Tube extension, 1 1/2 NPT(m), ca. 362 mm, order sep. 110127 foot piece, 110 mm, 60 l/16 gallon coverm.	309868
191128	Tube extension, 1 1/2 NPT(m), ca. 553 mm, order sep. 110127 foot piece, 110 mm, 200 l/ coverm.	
191130	Tube extension, 1 1/2 NPT(m), ca. 660 mm, order sep. 110127 foot piece, 110 mm, 200 l/, bung	
191131	Tube extension, 1 1/2 NPT(m), ca. 914 mm, order sep. 110127 foot piece, 110 mm, 1.040 l/, bung	
203688	Float valve and ball drum valve with 1 1/2" NPT internal thread fits suction tube	
110218	Hand lubricator, also cartridge use	
200325	Hydraulic coupling	306708
200389	Tube with hydraulic coupling	
204072	Tube 153 mm with 360° lockable pivot and hydraulic coupling, 1/8" NPT(m)	
109145	Hose, Buna-N 30 cm with handle, without hydraulic coupling, 1/8" NPT(m)	306708
204204	Hose, 30 cm with handle, hydraulic coupling and 15° angled tube 6 cm long, 1/8" NPT(m)	
112255	Hose, 45 cm with handle, without hydraulic coupling, 1/8" NPT(m)	
203504	Hose, 30 cm, hydraulic coupling and lock sleeve connector to quickly connect gun coupling	
+15428	Hose, inside nylon, 30 cm without coupling/handle, both sides 1/8" NPT(m)	
9	Hose, Buna-N 70 cm with handle, without hydraulic coupling, 1/8" NPT(m)	
109148		
205532	Hydraulic adapter – steel tips	306708
205582	Hydraulic adapter – nylon tips	
201881	Hydraulic adapter – steel (insert on external grease fittings)	
+	Filler fitting hand lubricator	308306
236171		
233933	Accu-Shot manual flow rate meter electronic, 2 x 1.5 Volt battery for greases, max 345 bar	309454
+	Lock sleeve connector for 16mm ø flat head grease fitting	306708
200020	Lock sleeve connector (giant) for 22mm ø flat head grease fitting	
+		
200021		

+ not shown.

DRUM COVERS AND FOLLOWER PLATES

Drum covers 19 litre (5 gal. barrel)



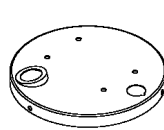
222058
(Ø309mm)



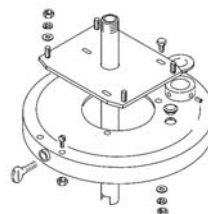
222059
(309mm)



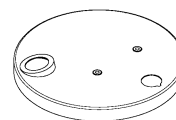
205342
(Ø309mm)



240212
(Ø309mm)

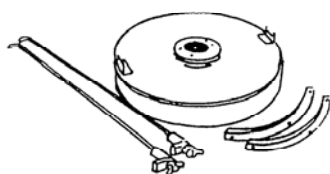


221095
(Ø309mm)



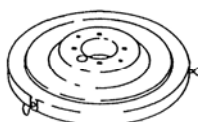
197298
197216
(Ø309mm)

Drum covers 60 l with holder



204269
(Ø384mm)

Drum cover 60 litre (16 gal. barrel)



204574
(Ø384mm)

Adapter Plate



165094



237571
206258

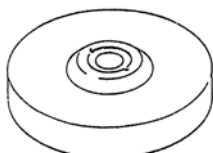


186558

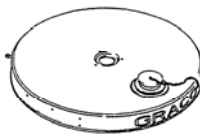


160754

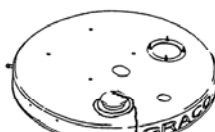
Drum covers 200 litre (55 gal. barrel)



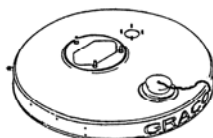
200326
(Ø628.65mm)



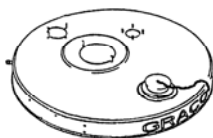
238283
238008
(Ø628.65mm)



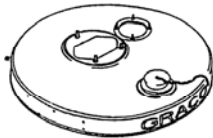
237949
(Ø628.65mm)



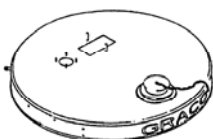
237 307
(Ø628.65mm)



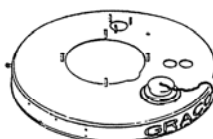
237 308
(Ø628.65mm)



237306
(Ø628.65mm)

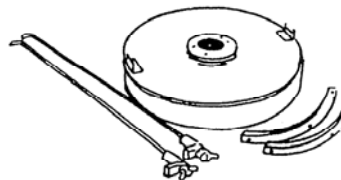


237 310
(Ø628.65mm)



237 309
(Ø628.65mm)

Drum covers 200 l with holder



206586 (upper)
204273 (below)

DRUM COVER AND FOLLOWER PLATES

Drum Covers 19 liter (5gal)

Part No.	Description	manual
222059	5 gallons/19 l cover Ø 309mm ID, with clamp for 50:1 Fireball, Eagle pumps	307878
222058	5 gallons/19 l cover Ø 309mm ID, for 15:1 Fireball oil pumps	307879
240212	5 gallons/19 l cover, SST with clamping screws and opening for agitator (Husky 307)	308822
221095	5 gallons/19 l cover for Husky 515/716 with agitator opening, siphon hose and fastenings	307857
205342	5 gallons/19 l cover bare without screws for agitator and siphon hose	306670
197298	5 gallons/19 l cover bare, carbon steel, for Triton 1:1,	309304
197216	5 gallons/19 l cover bare, SST, for Triton 1:1,	309304

Drum Covers 60 liter (16gal)

Part No.	Description	manual
204574	16 gallons/120 lb US version - 60 l (Ø 384 mm)	306345
204269	16 gallons/120 lb cover with Hold-Down Rods, 15:1 and 50:1 FB, (Kit Hold-Down 222061)	306345

Drum Covers 200 liter (55gal)

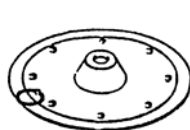
Part No.	Description	manual
200326	200 l (400 lb) drum cover, closed cover (Ø628,65mm) carbon steel, 5/15/50/75 :1 FB, 5:1 Monark, 10:1 President (2" NPT bunghole adapter 160754)	307879
206586	200 l (400 lb) drum cover, closed, carbon steel with Hold-Down Rods, 5:1FB, 10:1President, (gasket 192658) (Kit Hold-Down 207361)	306345
204273	200 l (400 lb) drum cover, closed, carbon steel with Hold-Down Rods, 5:1FB, 10:1President, (gasket 192658) (Kit Hold-Down 207361)	306345
237306	200 l drum, SST, 1:1 Fast-Flo, 5:1 Monark, 10:1 President	308466
237307	200 l drum, SST, 1.5:1 Monark, ¾:1 President	308466
237308	200 l drum, SST, 30:1 President, opening for agitator and filter	308466
237309	200 l drum, SST, Bulldog, King, for agitator 205715	308466
237310	200 l drum, SST, 2:1 standard for agitator 204995, 206219	308466
237949	200 l drum, SST, glutton pump	308466
238283	200 l drum, SST, only agitator 238157	308466
238008	200 l drum, SST, without openings for pumps or agitators	308466
112924+	Drum cover seal EPDM, is placed on top on the drum's border on top of the drum	

Adapter

Part No.	Description	manual
237571	Adapter plate, stainless steel, for siphon hose or 2" bunghole pump (3 fixing holes)	308466
206258	Adapter plate, normal steel, cover 237306 or 237307 (3 fixing holes)	308466
237524	Hand grip kit	308466
160754	Adapter plate, aluminium casting, 2" NPT orifice (2 or 4 fixing holes) for 200liter or 60liter drums cover.	
186558	Adapter plate, SST, 2:1 standard 5 gall. 2" with 2 x 7.9 mm Ø, equipped for Twistork with 4x 10 mm	308211
165094	Distancing ring, 254 mm high O.D. 144 mm. For Fireball, to balance out drum heights	

+ not shown

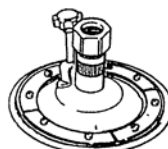
DRUM COVER AND FOLLOWER PLATES



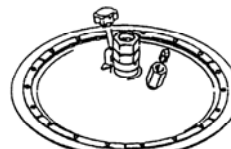
220653 (285,7mm)
220654 (375mm)
223344 (375mm)
223700 (375mm)



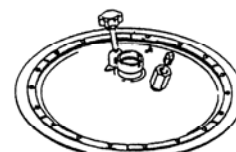
223845 (594mm)
223846 (594mm)
233701 (594mm)



204351
 (Ø289mm)



204353 (594mm)
205699 (594mm)



204405
 (594mm)

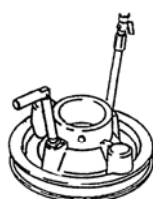
5 Gal. Follower Plate



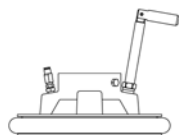
222812



222909



918408



255419



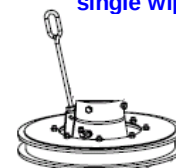
206747
 (Ø289mm)

flat style
single wiper



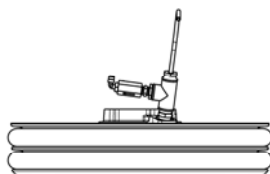
257727 (Ø289mm)
257728 (Ø289mm)
257729 (Ø289mm)
257732 (Ø330mm)
257733 (Ø330mm)
257734 (Ø330mm)
257737 (Ø365mm)
257740 (Ø365mm)
257738 (Ø365mm)

flat style
single wiper

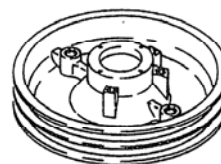


257730 (Ø289mm)
257731 (Ø289mm)
257735 (Ø330mm)
257736 (Ø330mm)
257739 (Ø365mm)
257741 (Ø365mm)

30 / 55 Gal. round double Wiper



255661 (Ø365mm)
255662 (Ø571mm)
255663 (Ø571mm)
255664 (Ø571mm)



191991
C56136 (PTFE)

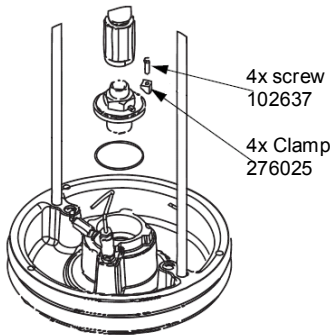
DRUM COVER AND FOLLOWER PLATES

Follower Plate					
220653	25-35 lb pot, 50:1 Fire-Ball,	Ø 285.7 mm,	collar Ø 68.28 mm	(wiper 183241)	306345
220654	120 lb drum, 15:1 and 50:1 Fire-Ball,	Ø 375 mm,		(wiper 183243)	
223344	120 lb drum, 50:1 President,	Ø 375 mm,		(wiper 183243)	
223845	200 kg drum, 15:1 and 50:1 Fire-Ball,	Ø 594 mm,	Grommet Ø 31.8 mm,	(wiper 186463)	
223846	200 kg drum, 50:1 President,	Ø 594 mm,	Grommet Ø 41.3 mm,	(wiper 183243)	
223700	120 lb drum, 5:1 Dynastar, 10:1 FB 425	Ø 375 mm,	Grommet Ø 53.9 mm,	(wiper 183243)	
223701	200 kg drum, 5:1 Dynastar, 10:1 FB 425	Ø 594 mm,	Grommet Ø 53.9 mm,	(wiper 186463)	
Follower Plate elevator					
204351	22.7 kg 50:1 Fire-Ball, Ø 289 mm	(manual cart elevator)		(wiper 160342)	307878
204353	200 kg, 50:1 Fire-Ball Ø 594 mm	(pneumatic stand elevator)		(wiper 161287)	306556
205699	200 kg, 50:1 President Ø 594 mm	(pneumatic elevator)		(wiper 161287)	306556
204405	200 kg, 5:1 Monark, 10:1 President, Ø 594 mm		collar Ø 56.41 mm	(wiper 161287)	306556
Follower Plate 5 gallons (19 Liter)					
206747	5 gallons, for CM-Pump 222639	Ø 289 mm,	collar Ø 64.58 mm	(wiper 167594)	306839
222812	5 gallons, for CM-Pumps 200/450,	Ø 289 mm,	collar Ø 64.58 mm	(wiper 184420)	
222909	5 gallons, same as 222 812	but made of SST			
255419	5 gallons, Follower plate, Ø289 mm, collar Ø 89.3 mm,			(round wiper hose 15W597)	310526
918408	5 gall. Check-Mate 800/1000 , Ø 263 mm,	collar Ø 89.3 mm		(without wiper ring hose)	310526
257727	5 gallons, Follower plate, Ø289 mm, collar Ø 89.3 mm,			(flat single wiper 257639 Nitrile)	313527
257728	5 gallons, Follower plate, Ø289 mm, collar Ø 89.3 mm,			(flat single wiper 257640 PolyUretane)	
257729	5 gallons, Follower plate, Ø289 mm, collar Ø 89.3 mm,			(flat single wiper 257641Nitrile PTFE-coated)	
257730	5 gallons, Follower plate, Ø289 mm, collar Ø 89.3 mm,			(flat double wiper 257642 Nitrile)	
257731	5 gallons, Follower plate, Ø289 mm, collar Ø 89.3 mm,			(flat double wiper 257643 PolyUretane)	
Follower Plate 8 gallons (30 Liter)					
257732	8 gallons, Follower plate, Ø330 mm, collar Ø 89.3 mm,			(flat single wiper 257644 Nitrile)	313527
257733	8 gallons, Follower plate, Ø330 mm, collar Ø 89.3 mm,			(flat single wiper 257645 PolyUretane)	
257734	8 gallons, Follower plate, Ø330 mm, collar Ø 89.3 mm,			(flat single wiper 257646 Nitrile PTFE-coated)	
257735	8 gallons, Follower plate, Ø330 mm, collar Ø 89.3 mm,			(flat double wiper 257647 Nitrile)	
257736	8 gallons, Follower plate, Ø330 mm, collar Ø 89.3 mm,			(flat double wiper 257648 PolyUretane)	
Follower Plate 16 gallons (60 Liter)					
257737	16 gallons, Follower plate, Ø365 mm, collar Ø 89.3 mm,			(flat single wiper 257649 Nitrile)	313527
257740	16 gallons, Follower plate, Ø365 mm, collar Ø 89.3 mm,			(flat single wiper 257650 PolyUretane)	
257738	16 gallons, Follower plate, Ø365 mm, collar Ø 89.3 mm,			(flat single wiper 257651 Nitrile PTFE-coated)	
257739	16 gallons, Follower plate, Ø365 mm, collar Ø 89.3 mm,			(flat double wiper 257652 Nitrile)	
257741	16 gallons, Follower plate, Ø365 mm, collar Ø 89.3 mm,			(flat double wiper 257653 PolyUretane)	
Follower Plate 30 gallons (115 Liter)					
255661	30 gallons, Follower plate, Ø480 mm, collar Ø 115,1 mm,			(round double wiper kit 255654)	313527
Follower Plate 55 gallons (200 Kg)					
191991	55 gallons, Follower plate, Ø 540 mm,		collar Ø 115,1 mm	(without wiper ring hose)	306934
C56136	for use RAM 200 litre 207279 (3") , 233087 (6.5") and 918420 (6.5") hydraulic				306934
241251	55 gallons, Follower plate, same as 191991 but additional PTFE coated				310524
15B111	Follower plate 191991 with wiper hose PVC (lower C03061 & upper C03062)				309549
15B114	Follower plate, SST for 200 l SST RAM with inflatable wiper ring, Ø 546 mm drum "SANITARY RAM PLATES"				
255662	Follower plate, SST for 200 l SST RAM with inflatable wiper ring, Ø 571 mm drum "SANITARY RAM PLATES"				
255662	55 gallons, Follower plate PTFE, Ø 571mm, collar Ø 115,1 mm			(round double wiper kit 255653 EPDM)	313527
255663	55 gallons, Follower plate, Ø 571mm, collar Ø 115,1 mm			(round double wiper kit 255653 EPDM)	
255664	55 gallons, Follower plate, Ø 571mm, collar Ø 115,1 mm			(round double wiper kit 255652 neoprene)	

DRUM COVER AND FOLLOWER PLATES

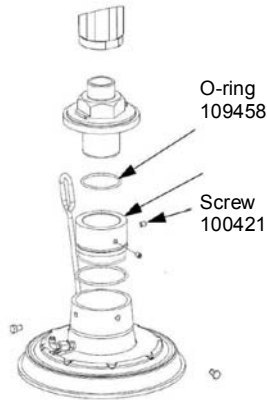
Check-Mate Mounting

Plate mounting Kit (55 Gal.)
255392 incl.
4x screw / 4x clamp /
O-Ring 109495



See next page for pump models
this kit is used with

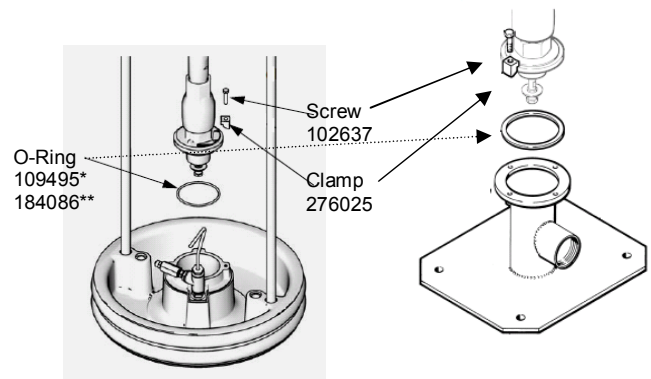
Dura-Flo Mounting Kit 257630 (20,30 ,60 liter platens)



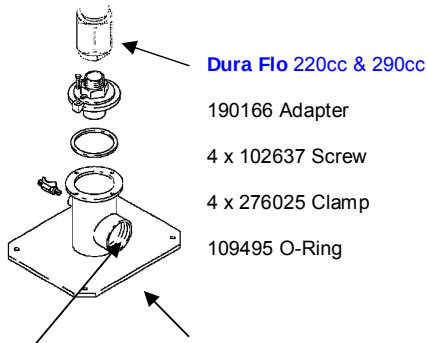
Check-Mate Mounting

Plate mounting Kit (55 Gal.) or Stand mounting kit

222776 incl.



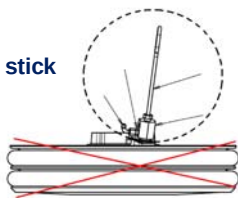
Floor Stand Mounting Kit 237782



3" npt inlet

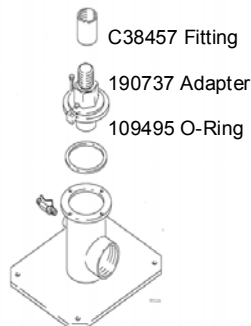
Stand not incl.
222274

Kit Bleed stick

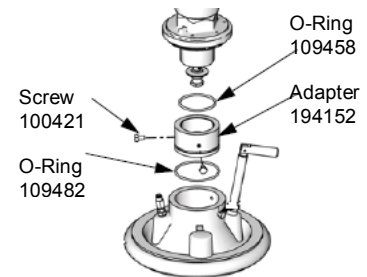


257984

Floor Stand Mounting Kit 245131 245132 with stand

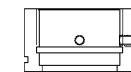


Kit Mounting 20-30 Liter CM-Lower 255393



160721
order separately

Adapter
id Ø 56mm
626253



Adapter
194152
O-Ring 109458
order separatly

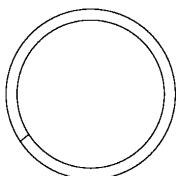


Adapter
Dura Flo Ø 64mm
190737 (1 1/2")
190166 (2")

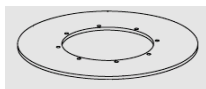


Fitting:
1/1/4 NPT (f)
11/2NPT(f)
C38457

Seal Wiper Shapes



Round Ring
(Closed)



Flat Ring
18/12/1210:57



Round Hose
(Open)



Tee- Ring



Inflatable

DRUM COVER AND FOLLOWER PLATES

Adapter

194152	Adapter I.D. Ø 64.58, O.D. Ø 88.8 mm for adapting to plate 237702 / 241081 CM 200/450 (O-Ring 109458 not included)	
626253	Adapter 56mm, O.D. 64 mm. In order to use pumps with 56 Ø foot valve e.g. in 222812	
190737	Adapter for mounting Dura Flo Ø64mm to stand or follower plate, thread 1-1/2"	
190166	Adapter for mounting Dura Flo Ø64mm to stand or follower plate, thread 2"	
C38457	Bushing / fitting to connect DuraFlo 190737 Adapter to Xtreme lower, 1-1/4" (f) to 1-1/2" (f)	
255392	Plate mounting kit (55 Gal.), 4 screws, 4 clamps and O-Ring 109495* for Dura-Flo 1800 and 2400, Check-Mate 800, 1000 and 2100 pumps. To use kit with Check-Mate 450, Dura-Flo 600, 750, 900, and 1200 pumps order O-Ring 184086** separately	312373
222776	Plate mounting kit (55 Gal.), or Floor Stand, 4 screws, 4 clamps and O-Ring O-Ring 109495* used with Dura-Flo 1800 and 2400, Check-Mate 800, 1000 and 2100 pumps. O-Ring 184086** used with Check-Mate 450, Dura-Flo 600, 750, 900, and 1200 pumps.	405952
245131	Stand Floor Xtreme, 4 screws, 4 clamps, O-Ring, Adapter 190737 and Bushing C38457 (1-1/2 to 1 1/4 NPT(f)	406513
237782	Stand Floor Dura Flo, 4 screws, 4 clamps, O-Ring and Adapter 190166, for Dura Flo 220cc & 290cc	406297
257630	KIT for mounting Dura Flo pumps to 20, 30 and 60 liter platens	313527
257984	KIT 200L Bleed Stick	

Wiper ring 5 gallon / 19 liter

257639	Seal Kit, flat single wiper ring Ø289mm, Nitrile	312373
257640	Seal Kit, flat single wiper ring Ø289mm, PolyUretane	
257641	Seal Kit, flat single wiper ring Ø289mm, Nitrile PTFE-coated)	
257642	Seal Kit, flat double wiper ring Ø289mm, Nitrile)	
257643	Seal Kit, flat double wiper ring Ø289mm, PolyUretane)	
184420	5 gall. flat wiper ring for 222812, 237702	308049
184552	5 gall. flat wiper ring for 222909	308049
C03064	5 gall. hose Ø28,5mm length 889mm, for 918408 (PVC hose blue with screw clamp)	310526

Wiper ring 8 gallon / 30 liter

257644	Seal Kit, flat single wiper ring Ø330mm, Nitrile	312373
257645	Seal Kit, flat single wiper ring Ø330mm, PolyUretane	
257646	Seal Kit, flat single wiper ring Ø330mm, Nitrile PTFE-coated)	
257647	Seal Kit, flat double wiper ring Ø330mm, Nitrile)	
257648	Seal Kit, flat double wiper ring Ø330mm, PolyUretane	

Wiper ring 15,9 gallon / 60 liter

257649	Seal Kit, flat single wiper ring Ø365mm, Nitrile	312373
257650	Seal Kit, flat single wiper ring Ø365mm, PolyUretane	
257651	Seal Kit, flat single wiper ring Ø365mm, Nitrile PTFE-coated)	
257652	Seal Kit, flat double wiper ring Ø365mm, Nitrile)	
257653	Seal Kit, flat double wiper ring Ø365mm, PolyUretane)	

Wiper ring 30 gallon / 115 liter

255654	Seal Kit, 2x round wiper ring (15B317) Ø461mm (closed ring) EPDM	312373
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Wiper ring 55 gallon / 200 liter

255653	Seal Kit 2x round wiper ring (120819) Ø571mm	EPDM	313527
255652	Seal Kit 2x round wiper ring (121040) Ø571mm	Neoprene	313527
918312	Wiper hose kit 200 I RAM (2x EPDM hose with steel band)	EPDM	308976
C03059	Wiper hose kit 200 I RAM (2x PVC hose with steel band)	PVC	406445
6789048	Wiper ring, PVC, Ø 40 mm, Ø 571 mm drum,	PVC	
165601	Wiper ring, white neoprene, food quality, drum Ø 568 to 575 mm,	white Neoprene	
236726	Tee Wiper kit, (two Tee wipers and 4 clamps) for RAM 207279, max 66°C	Neoprene	406199
243279	Tee Wipers, 2 pieces incl. clamps max 150°C HOT MELT	Silicone	309196
255668	Tee Wipers, 2 pieces incl. clamps max 190°C HOT MELT	Silicone	309196
C31007	Seal hose kit, two silicon hoses incl. clamps max 204°C HOT MELT	Silicone	309196
234995	Seal hose kit, tow EPDM hoses incl. clamps max 234°C HOT MELT	EPDM	309196
15X729	Seal Inflatable ID Ø546mm Sanitary	Neoprene	309549
15W136	Seal Inflatable ID Ø571mm Sanitary	Neoprene	309549

Wiper ring 300 gallon / 1000 liter

918241	Wiper hose kit 300 gallons (1145l) RAM (rubber hose with steel band)	Rubber	309169
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† not shown

AIR MOTORS & HYDRAULIC MOTORS

Part No.	Description	Notes	Repair kit	Piston area cm ²	Stroke length	manual
223099	Fast-Flo	Transfer	214584	10.00	101	307456/977
204464	Standard	For 204456, 226040,		10.00	101	307851
204722		208117, 223954,		10.00	101	
223953				10.00	76	
241505	Falcon II	20:1 Falcon	241834*	42.6	57	308995
246775	Fire-Ball 225	3:1 Inline incl. lower	246918	25.6	57	309869
203876	Fire-Ball 300	5:1 Inline incl. lower	238286	45	76.2	309869
206405	Fire-Ball 300	15:1 Inline air motor	206728	45	76.2	306531
239877	Fire-Ball 300	50:1 Inline air motor	206728	45	76.2	308883
237526	Fire-Ball 425	3:1 Inline air motor	207385	90	102	309869
238108	Fire-Ball 425	6:1 Inline air motor	207385	90	102	309869
205626	Fire-Ball 425	10:1 Inline incl. lower	238751	90	102	309869
206955	Monark	2 rods, 1.5:1, 2:1	206728	45	76.2	307043
222791		3 rods 23:1, DB and CM		45	76.2	
205997		3 rods 5:1, 15:1		45	76.2	
215363		10:1 Monark		45	76.2	
207546		Sanitary		45	76.2	
215354		Muffler for Monark air motor (not for Inline & Sanitary)				307361
241953	Muffler/discharge plates refitting kit (for more recent pumps standard 92 to 75 dBA)					
205647	Presidents	Inline 9/10:1	207385	90	102	306982
206078		Inline 45/50:1		90	102	306982
205038		2 connection rods		90	102	306982
207352		3 connection rods		90	102	306982
210007		2 connection rods SST		90	102	307157
222772		Check Mate		90	102	306982
241265		Adjust-A-Stroke (stroke adjustment)		90		308952
243801	Presidents	Outlet plate kit connection possible for external air evacuation				309152
243421		Outlet plate muffler kit for HF President, ¾:1 Pres. 2 balls & 30:1 Pres. Red. by approx 20 dBA				309094
214873	Muffler for President air motor					307361
217540	Senator	Standard	218122	158	120.6	307592
220571		Quiet	220916	158	120.6	307592
624250		Sanitary Electronickel	218122	158	120.6	307592
208356	Bulldogs	Standard	206734	249	120.6	307049
625794		Sanitary Electronickel	206734	249	120.6	307049
215255		Quiet	215906	249	120.6	307304
237001		Quiet unit icing	215906	249	120.6	307304
233077		External air evacuation	215906	249	120.6	307304
210302		(Obsolete) Adjust a Stroke	206734	249	120.6	307050
208804	Muffler for Bulldog/King motor encapsulated in hood					307104
245111	Kings	Standard	207730	506	120.6	309347
220106		Quiet		506	120.6	309348
235525		External air evacuation		506	120.6	309348
245112		Quiet unit icing		506	120.6	309348
222800	Premier		222958*	800	120.6	308213
239003	Casing kit	Refitting kit air motor casing Premier – plastic				308689
6720038	Viscount I	2 connection rods	218210	9.55	101	-
217222		Motor block	218210	9.55	101	307654
236417		3 connection rods	236698	9.55	101	308330
217022	Viscount II	GH units	220457	31.6	119	307158
217338		2 components	220457	31.6	119	307158
235345		Standard motor	223654	31.6	119	307158
223646		Quiet	223654	31.6	119	308048

* = without air control valve

for NXT Air –Motor please look chapter 1b and 1c

LOWER PUMPS – BALL TYPE

Part No.	Name	Stand repair kit	manual
-	1:1 Fast-Flo, CS and SS, leather	213012	
-	1:1 Fast-Flo, CS and SS, UHMWPE	215964	307427
-	1:1 Fast-Flo, CS and SS, PTFE	213013	
-	1:1 Fast-Flo, CS and SS rubber	218112	
241516	10:1/20:1 Falcon	241597	308996
237140	1,5:1 Monark, 3:1 President DB, Leather	237198	
218746	1,5:1 Monark, 3:1 President DB, stainless steel , UHMWPE/leather	220927	307652
237199	1,5:1 Monark, 3:1 President DB, stainless steel , PTFE	237200	
223177	2:1 Monark, 4:1 President DB, UHMWPE/leather	223320	
	2:1 Monark, 4:1 President DB, Leather	237193	307983
	2:1 Monark, 4:1 President DB, leather/PTFE	237194	
224341	5:1 Monark, 10:1 President, short, stainless steel , UHMWPE/PTFE	224401	308116
15G976	5:1 Monark, 10:1 President, short, stainless steel , PTFE	224889	308116
224344	5:1 Monark, 10:1 President, short, stainless steel , neoprene	224402	308117
224349	5:1 Monark, 10:1 President, 200 l bung, stainless steel, UHMWPE/PTFE	224403	308118
220465	5:1 Monark, 10:1 President, 200 l bung, PTFE	208520	307044
222173	5:1 Monark, 10:1 President, mining pump	224902	307962
223587	15:1 Monark, 30:1 President DB, leather 1x PTFE, normal steel glands	206733	306 981
223842	15:1 Monark, 30:1 President DB, leather/PTFE mixed, stainless steel glands	235635	306 981
	15:1 Monark, 30:1 President DB, PTFE, stainless steel glands	237725	308 106
	15:1 Monark, 30:1 President, stainless steel, UHMWPE/leather	223675	306 981
223595	23:1 Monark, DB, leather 1x PTFE, normal steel glands	218135	
239145	23:1 Monark, DB, leather 1x PTFE, stainless steel glands	239328	307619
240444	23:1 Monark DB, 46:1 President DB, leather/PTFE mixed, stainless steel glands	235636	
	23:1 Monark DB, 46:1 President DB, stainless steel , PTFE	236724	
239835	1,5:1 President, 4:1 Bulldog, "4 ball" HF	220587*	
239838	1,5:1 President, 4:1 Bulldog, "4 ball" HF, stainless steel	220587*	
15D787	4:1 Bulldog, "4 ball" HF, stainless steel, ceramic	220587*	308793
240606	1,5:1 President, 4:1 Bulldog, "4 ball" HF, stainless steel with Tri-Clamp adapter	220587*	
240607	1,5:1 President, 4:1 Bulldog, "4 ball" HF, SST, inlet 1½" BSP(f), outlet 1¼" BSP(f)	220587*	
239834	2:1 President, "4 bar" HF, Viscount	220588*	
239837	2:1 President, "4 bar" HF, stainless steel, Viscount	220588*	308793
240608	2:1 President, "4 ball" HF, stainless steel with Tri-Clamp adapter	220589*	
240609	2:1 President, "4 bar" HF, stainless steel, inlet 1½" BSP(f), outlet 1¼" BSP(f)	220589*	
239833	3:1 President/Viscount 300, "4 ball" HF	220589*	
239836	3:1 President/Viscount 300, "4 ball" HF, stainless steel	220589*	
686679	3:1 President/Viscount 300, "4 ball" HF, stainless steel , ceramic	220589*	
239860	3:1 President/Viscount 300, "4 ball" HF, PTFE	224934*	308793
239859	3:1 President/Viscount 300, "4 ball" HF, stainless steel , PTFE	224934*	
240610	3:1 President, "4 ball" HF, stainless steel with Tri-Clamp adapter	220589*	
240611	3:1 President, "4 bar" HF, stainless steel, inlet 1½" BSP(f), outlet 1¼" BSP(f)	220589*	
240612	3:1 President, "4 ball" HF, stainless steel, PTFE with Tri-Clamp adapter	224934*	
240613	3:1 President, "4 bar" HF, stainl. steel , PTFE, inlet 1½" BSP(f), outlet 1¼" BSP(f)	224934*	
217529	15:1 President DB, leather/PTFE	235634	306936
206184	28:1 President DB, stainless steel/PTFE		306769
243731	3:1 Bulldog, 6:1 King, Viscount II 600 "4 ball" HF		
243734	3:1 Bulldog, 6:1 King, Viscount II 600 stainless steel , "4 ball" HF, 2 BSP(f)	243727*	309136
248329	3:1 Bulldog, 6:1 King, Viscount II 600 stainless steel , "4 ball" HF, 2 BSP(f), Cr		(309130)
243771	3:1 Bulldog, 6:1 King, Viscount II 600 stainless steel , "4 ball" HF, 2" NPT(f)		
243736	3:1 King, Viscount II 300, stainless steel , "4 ball" HF, 2" BSP(f)		
248331	3:1 King, Viscount II 300, stainless steel , "4 ball" HF, 2" BSP(f), Cr	243729*	309136
243773	3:1 King, Viscount II 300, stainless steel , "4 ball" HF, 2" NPT(f)		
243732	4:1 King, Viscount II 400, "4 ball" HF, 2" NPT(f)		
243735	4:1 King, Viscount II 400, stainless steel , "4 ball" HF, 2" BSP(f)	243728*	309136
248330	4:1 King, Viscount II 400, stainless steel , "4 ball" HF, 2" BSP(f), Cr		
243772	4:1 King, Viscount II 400, stainless steel , "4 ball" HF, 2" NPT(f)		
210208	5:1 Bulldog DB, 10:1 King/Viscount II 1000	223439	308043
206453	5:1 Bulldog, stainless steel, PTFE DB	207349	306818
206452	5:1 Bulldog, stainless steel, rubber DB	206931	306818
222801	10:1 Bulldog, 20:1 King, 34:1 Premier, Dura-Flo 2400	222879	308151
222803	10:1 Bulldog, 20:1 King, 34:1 Premier, Dura-Flo 2400, stainless steel	222875	308152
237514	21:1 Bulldog, Dura-Flo 1200, stainless steel , leather	237178	308360
236470	28:1 Bulldog, 56:1 King, Dura-Flo 900, stainless steel , leather	237172	308354
236456	33:1 Bulldog, 68:1 King, Dura-Flo 750, stainless steel , leather	237240	308418
236458	41:1 Bulldog, Dura-Flo 600, stainless steel , leather	237234	308350
241177	41:1 Bulldog, Dura-Flo 600, stainless steel , PTFE/UHMWPE	237609	308350
217403	60:1 Bulldog	218040	307647
222796	28:1 King, 45:1 Premier, Dura-Flo 1800	222849	308147
222805	28:1 King, 45:1 Premier, Dura-Flo 1800, stainless steel	222845	308148
687055	28: 1 King, Dura-Flo 1800, SST, 3 x UHMWPE/2 x PTFE graphite, Hydra-Clean	-	308148
241956	28: 1 King, Viscount II, Dura-Flo 1800, stainless steel , ceramic, UHMWPE/PTFE	222845	308148
	45:1 King, CS, leather (224435)	224438	307728
	45:1 King, stainless steel , leather (223841)	223643	308107
	63:1 King, CS, leather (224545)	224433	
	63:1 King, stainless steel , leather (223600)	223658	307663
	68:1 King, Dura Flo 750, leather	238117	308417
236478	74:1 King, Dura Flo 1100, leather	237166	308357

* = without throat seal

Cr = Chromed piston rod



XTREME LOWER PUMPS WITH INTEGRATED FILTERS

Part No.	Delivery per cycle	Pressure ratio	Repair kit PE leather	Repair Leather / 1XTuffst.	Repair Tuff Stack repair kit	Pump rod		manual
	Surface					Plasma Coat (Standard)	Hard chromed	
244411	145 cm³ 6 cm²	80:1 King, 41:1 Bulldog	244850 Standard	246 833	244900	197320	198414	309340
244413	180 cm³ 7.5 cm²	68:1 King, 33:1 Bulldog	244851 Standard		244901	197321	198415	
244415	220 cm³ 9.0 cm²	56:1 King, 28:1 Bulldog	244852 Standard	246 835	244902	197322	198416	
244417	250 cm³ 10.45 cm²	45:1 King, 24:1 Bulldog	244853 Standard		244903	197323	198417	
244419	290 cm³ 12 cm²	13:1 Senator, 21:1 Bulldog	244854 Standard		244904	197324	198418	
XTREME LOWER PUMPS WITHOUT FILTER								
244410	145 cm³ 6 cm²	80:1 King, 41:1 Bulldog	244850 Standard	246 833	244900	197320	198414	309340
244412	180 cm³ 7.5 cm²	68:1 King, 33:1 Bulldog	244851 Standard		244901	197321	198415	
244414	220 cm³ 9.0 cm²	56:1 King, 28:1 Bulldog	244852 Standard	246 835	244902	197322	198416	
244416	250 cm³ 10.45 cm²	45:1 King, 24:1 Bulldog	244853 Standard		244903	197323	198417	
244418	290 cm³ 12 cm²	67:1 Premier, 21:1 Bulldog	244854 Standard		244904	197324	198418	
XTREME LOWER PUMPS WITH INTEGRATED FILTER (Tuffstack)								
249270	145 cm³ 6 cm²	80:1 King, 41:1 Bulldog	–	–	244900 Standard	197320	198414	309340
249271	180 cm³ 7.5 cm²	68:1 King, 33:1 Bulldog	–	–	244901 Standard	197321	198415	
249272	220 cm³ 9.0 cm²	56:1 King, 28:1 Bulldog	–	–	244902 Standard	197322	198416	
249273	250 cm³ 10.45 cm²	45:1 King, 24:1 Bulldog	–	–	244903 Standard	197323	198417	
XTREME LOWER PUMPS FOR 2K SYSTEMS WITHOUT FILTER (Tuffstack, Hydracats)								
244420	145 cm³ 6 cm²	–	–	–	244900 Standard	197320	198414	309340
244421	180 cm³ 7.5 cm²	–	–	–	244901 Standard	197321	198415	
244422	220 cm³ 9.0 cm²	–	–	–	244902 Standard	197322	198416	
244423	250 cm³ 10.45 cm²	–	–	–	244903 Standard	197323	198417	
244424	290 cm³ 12 cm²	–	–	–	244904 Standard	197324	198418	

LOWER PUMPS – CHECK-MATE PRIMING PISTON

Part No.	Description	Stand repair kit	manual
222790	10:1 Monark, 20:1 President, 55:1 Bulldog Check-Mate 450	222773*	308017
246932	10:1 President CheckMate, UHMWPE–Tuff Stack	234422	
235540	10:1 Monark, 20:1 President, 55:1 Bulldog Check-Mate 450, PTFE	222773* †	
237206	20:1 President Check-Mate 450, short with 5/8" – UNC –2A on the piston rod	222773*	308017
237450	34:1 Senator, 55:1 Bulldog, short, with 1/2" NPT(f) outlet and larger oil cup	222773*	
222771	23:1 Monark, 46:1 President, Check-Mate 200	222784*	308080
222814	23:1 Monark, 46:1 President, Check-Mate 200, stainless steel	222972*	308200
237202	46:1 President, Check-Mate 200, short	222784*	308080
222810	12:1 Bulldog, 24:1 King, 39:1 Premier, Check-Mate 2100, PE/PTFE	222860	308149
246934	12:1 Bulldog, 24:1 King, 39:1 Premier, Check-Mate 2100, PE/PTFE–Tuff Stack	234419	308149
222811	12:1 Bulldog, 24:1 King, 39:1 Premier, Check-Mate 2100, stainless steel	222860	308150
236611	31:1 Bulldog, 65:1 King, Check-Mate 800	222864	308351
246939	31:1 Bulldog, 65:1 King, 19:1 Senator Check-Mate 800 (inks)	241782 throat seal	308351
236612	31:1 Bulldog, 65:1 King, Check-Mate 800, stainless steel	222866	308352
222954	50:1 King, 80:1 Premier, Check-Mate 1000	222869	308355
236613	50:1 King, 80:1 Premier, Check-Mate 1000, stainless steel	222871	308356
237795	Check-Mate 800, 200I Hot-Melt (237 896)		308570
237885	Check-Mate 800, 5 Gall. Hot-Melt (237 897)		308570
253141	Check-Mate 800, 200I Hot-Melt, graphite filled PTFE, designed with grease chamber	253545 throat seal	308570

* = without throat seal

† = Order PTFE piston packing 188 257 and inlet valve packing 189217 separately, **see manual 308017**

Note: When processing polysulfide with Check-Mate pump, an alternative is to replace the throat seal with the "Tuff Stack"

Packing kit 244857 (contains 10 V packs) for Check-Mate 450

Packing kit 244861 (contains 10 V packs) for Check-Mate 1000

Packing kit 234422 (contains 3xUHMWPE, 2xTuff Stack) for Check-Mate 450

LUBRICANTS

Part No.	Description	manual
206994	TSL liquid 0.24 litre for pump throat packing. TSL is not for air motors !!!	307765
206995	TSL liquid 0.95 litre	
206997	TSL liquid, one box a. 12 x 206995 = 12 quarts = 11.4 l	
206996	TSL liquid 3.8 litre	
206998	TSL liquid, one box a. 4 x 206996 = 15.14 l	
288166	TSL liquid 6X 0.95 litre (old TSL) TSL liquid, dissolves or retards curing of material on displacements rods	
24F516	IsoGuard Select Liquid(IGS) for wetcups HVR & HFR	
218797	Hydraulic oil 0.95l for PT2500	308166
207428	Hydraulic oil 3.785 litres for EH 333, EH 433, GH, Hydra-Max, etc.	307766
169236	Hydraulic oil 19 litres for Viscount (073004)	307766
202659	Air motor oil 473 cm³ (US 1 pint) for agitators etc.	307764
6789257	Killfrost 1 litre (de-icer)	
217374	ISO pumps – oil 473 ml (US – 1 pint) (073020)	307767
218656	ISO pumps – oil 15.14 litres (4 x 1 gallons)	307763
106565	ISO pumps – grease 430 cm³ cartridge (070420)	
123174	Tube grease anti-seize 7g	
111920	Tube grease 10.6 gram lithium base for Husky air valve (070272)	
118665	Tube grease 118 gram lithium base for Fusion gun (070272)	
248279	10x 118665 (Tube grease 118 gram lithium base for Fusion gun) (070272)	
117773	Grease cartridge 88 gram for Fusion gun (food grade) (Grease gun 117792)	
551189	Grease gun incl. additional 1 cartridge, 88 gram cartridge (115 982)	
111265	Tube clear grease 113 gram silicone-free, also for Sanitary (070302)	308177
110293	Can 208 ml gear grease NLGI class I (070386)	307972
115982	Tube 88 gram synthetic grease, silicon-free, dropping point 240°C, NLG class 2, red (070303)	MSD020
116553	Tube grease, dielectric 1 OZ =28.25 gr. (E-static) (070521)	309031
253574	Anti-corrosion agent (pump armor) for pumps 1 litre	309124
245133	Anti-corrosion agent (pump armor) for pumps 3.8 litres (1 gallon)	MSD029
70950003001	Tube white grease paste OKS 270, 100 g, silicon-free, fully waterproof	6000370
117784	Synthetic oil for G-Force 2525 LD and 2626 LD water pump, water pump, 4.5 fl. oz, 133 cm³	309828
246377	Oil for all G-Force pumps with exception of 118122 (G-Force 2525LD and 2626LD)	
110009	Heat-conducting white paste (silicon free) 30 gr	
C07664	Heat-conducting white paste (silicon free) 120 gr	

206994
206995
206996



253574
245133



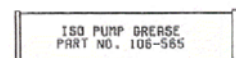
202659



70950003001



551189
(117792)



106565

TOOLS

Allen Keys

- 114141** 1/16" = 1.587 mm
101369 3/32" = 2.381 mm
110890 7/64" = 2.778 mm
101690 1/8" = 3.175 mm
100633 5/32" = 3.969 mm
101821 3/16" = 4.763 mm
101976 1/4" = 6.35 mm

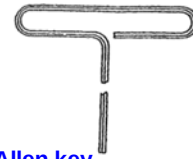


Ball-end hexagon socket

- 112080** 2.0 mm
107460 4.0 mm



Hand socket wrench
101821 3/16"



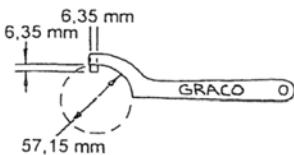
Allen key

- 106571** -5/16" 2.381 mm
106572 3/16" 4.762 mm

106



15A724 Spring pin (Rep. old Merkur pump)



102176 Cross key



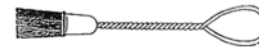
171147
Universal gun key



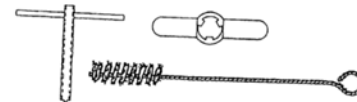
197448
Key, HVLP guns



- 101891** Round brush, nylon, Ø 9 mm
101892 Rund brush, nylon, Ø 15.9 mm



105749 Cleaning brush, metal with 9 mm longen white fibres



M70612 Tool kit for HVLP gun series 960/980

70620100003 Jointed cross key for Ø 35 – 60, (d-Ø 5 mm)

70620100004 Jointed cross key for Ø 60 – 90, (d-Ø 6 mm)
(Rep.Merkur pump)

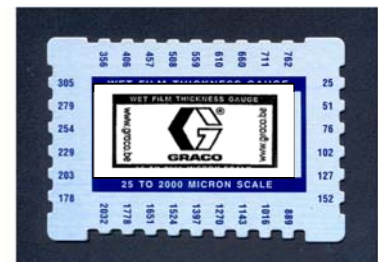


- 191744** Multifunction key for Pro 3500, 4500 & 5500
276741 Multifunction key for Pro Xs2, Xs3, Xs4 & Auto Xs



Tip cleaning needle kit

- 75143010002** No. 00, Ø 0.15
098017 No. 15
6711181 No. 10
75143010006 No. 4, Ø 0.3



Thickness gauge
25 – 500 Mµ,(ES-1.4301)
70783001001



117661 Pen reversible chuck with adjustable sizes on both sides up to 3.1 mm



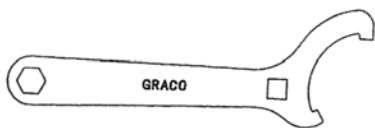
- 15C162** Gun cleaning kit HVLP contains: round brushes, 1 ea 1.8/2.5/3.2/4.0/4.7/6.7/13.5 mm Ø
 Pin chuck, incl. 1 x 5 mm & 1 x 6.5 mm brush
 Pin chuck, incl. 6 ea 0.5 mm Ø wire chucks



15C161 Gun cleaning kit contains:

- Round brushes 1 ea 1.8/2.5/3.2/4.0/4.7/6.5/9.5/22-32 mm Ø
 Round brush, metal 10 mm Ø, round brush, plastic 10 mm Ø.
 Pin chuck incl. 1 x 5 mm & 1 x 6.5 mm Ø brush
 Pin chuck incl. 3 x 0.3 mm & 6 x 0.5 mm Ø wire chucks
 Brush 31 mm wide, plastic B
 Brush plastic hair, brush metal wire. One O-ring lifter.

TOOLS



Hook key for package nut

184119 Check-Mate 200/450 small wet-cup

112887 Dura-Flo 600/750/900 pin 6,35mm
Check-Mate 800/1000 & Check-Mate 450
With large wet-cup Ø 59,4mm

184278 Dura-Flo1800/2400 & CM2100 pin 9mm
Ø 102mm

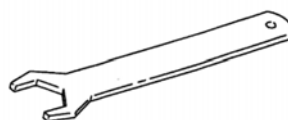
15T258 Xtreme 145cc – 290cc pin 11,4mm
Ø 81,3mm



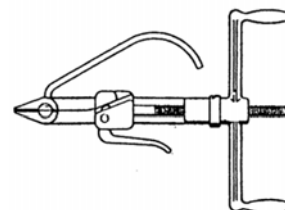
16F615
Wrench for Xtreme
036cc – 145 cc



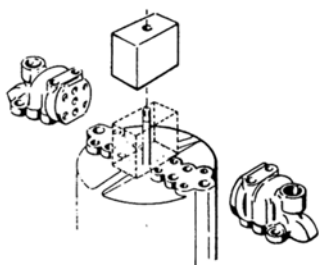
176881 Key, size 38, 46 mm
Package nut, Hydra-Cat



110335 Key, size 44.7mm
Package nut, "mid range"
HF – pump



168092 Steel band pliers
(use 200 LRAM)



168513 Assembly gauge
For correct assembly of air distributors
For Senator, Bulldog & King air motors

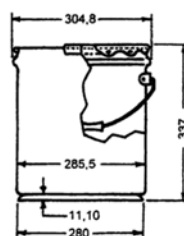
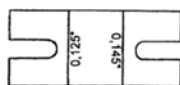


207579 Pliers
To hold the control bar on the air motor
in a protected manner: Fire-Ball, Monark,
President, Senator, Bulldog and King

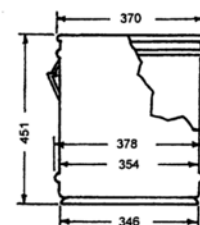


171818 Gauge

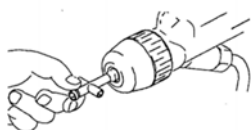
To measure the valve play between the inlet valve and piston on
Fire-Ball, Monark and President air motors



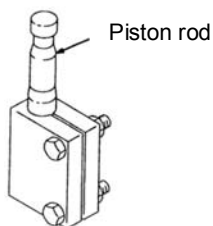
101108
5 gall. (19 Ltr.) container CS
115077 plastic (Line-Lazer)



204134
10 gall. (38 Ltr.)
container CS



189780 Assembly key
Round pattern kit
ProXs4 AA & Auto Xs AA



220385 Tool kit
To hold the piston rod on HF
piston pumps in a protected
manner **309136**

Clamp Grounding



17440-00

15D436

Low pressure hose “AIR , GAS & WATER”



Raw hose without fitting

Raw hose Part No.	Operating pressure bar	Dimens. mm (in.) ID	OD	Fluid/properties		Cover	cover colour	Weight gram per 30cm
				Core	Insert			
054753	17.2	2.7	3.96 (5/32)	-	-	Nylon 12	black	
054754	17.2	2.7	3.96 (5/32)	-	-	Nylon 12	red	
054757	17.2	2.7	3.96 (5/32)	-	-	Nylon 12	green	
598095	17.5	2.7	3.96 (5/32)	-	-	Nylon	Clear	
054118	8.0	4.3	6.35 (¼")	-	-	polyethylene	Transparent	
054130	8.6	4.3	6.35 (¼")	-	-	polyethylene	black	
C12509	17.2	4.57	6.35	-	-	Nylon	black	
C12508	17.2	7.0	9.5	-	-	Nylon	black	
054760	8.6	8.33	12.7	-	-	Polyethylene/ Polyurethane	black	
061304*	7	4.8	9.4	polyurethane	Fabric steel SS	polyurethane	red	–
061346	7	7.9	14.0	Rubber	Textile fabric	caoutchouc	red	54.43
061338	7	6.3	9.5	-	-	polyurethane	pink	–
061374	8.6	6.3	9.5	-	-	polyurethane	black	
114888	12.5	8.0	10.0	-	-	Nylon	black	
061020	18	6.4	15.8	Neoprene	2 fabrics	Buna-N	black	72.57
061360	21	6.35	12.7	PVC	Textile fabric	PVC	blue	
15E291	14	6.6	12.7	PVC	2 fabrics	PVC	red	40.82
15E292	14	8	15	PVC	2 fabrics	PVC	red	45.36
15E293	14	9.7	17	PVC	2 fabrics	PVC	red	54.43
15E294	14	12.8	21.0	PVC	1 fabrics	PVC	red	113.4
061215*	13	19.1	28.5	Buna-N	1 textile fabric	Buna-N	red	163.3
061342+	14	19.1	28	Synth.rubber	1 steel fabric	Synth. rubber	black	190.5

+ = conducts electricity – conductible inner hose
 * = conducts electricity – cable strands

Chapter 22

Low pressure hose "AIR , GAS & WATER"



Hose with fitting

Part No.	Connection thread	Fixture Part No.	Sheathed hose finished length in m and part no.						
			1.2	1.8	3.0	4.5	7.5	15.0	Special
061304 (3/16")	1/4" NPS(f) – 1/4" NPS(m)			236873					
061338 (1/4")	1/4" NPS(f) – 1/4" NPS(f)						241811		
061020 (1/4")	1/8" NPT(m) – 1/4" NPT(m) 1/4" NPT(m) – 1/4" NPT(m)		207348 200115	200033	200991				206749(0.9) 200118(0.8)
15E291 (1/4")	1/4" NPS(f) – 1/4" NPS(f) 1/4" NPT(m) – 1/4" NPT(m) 1/4" NPT(m) – 1/2" NPT(m) 1/8" NPT(m) – 1/4" NPT(m)	104415	109124	212005 109125	109126		216069 109127		109123(0.45) 109128(12.0) 237583(0.76)
061360 (1/4")	1/4" NPT(m) – 1/4" NPT(m)		C12007 (0.91m)						C12014 (2.44)
061140 (1/4")	1/4" NPT(m) – 1/4" NPT(m) helix hose						115425	205 600	
061346 (5/16")	1/4" NPS(f) – 1/4" NPS(f) 1/4" NPS(m) – 1/4" NPS(f)		239631 ³			239636 ³	239637 ³		
15E292 (5/16")	1/4" NPS(f) – 1/4" NPS(f) R 1/4" BSP(f)	103605 6773017				210866	210867	210 868	
15E293 (3/8")	1/4" NPS(f) 3/8" NPS(f) R 3/8" BSP(f)	104414 6773021							244448 (7.9)
15E294 (1/2")	1/4" NPT(f) – 1/2" NPT(m) 3/8" NPT(m) – 3/8" NPT(m) 1/2" NPT(m) – 1/2" NPT(m)		214652 (0.52m) 110046	205418	214656	214651 (5.1m) 253229	214655		214657(1.5) 214653(30.0) 218093(0.56)
061215+ (3/4")	1/2" NPT(m) – 3/4" NPT(m) 3/4" NPT(m) – 3/4" NPT(m)		110048	214950 208610	214955	205548	214951 208611		214952 (0.4) 214954 (0.8) 214956(0.6)
061342+ (3/4")	3/4" NPT(m) – 3/4" NPT(m)								214953(0.4) 238374(0.53)

+ = conducts electricity

Low and medium pressure hose “coating’s & solvent’s”



Raw hose **without** fitting

Raw hose Part No.	Operating pressure bar	Dimensions mm (in.)		Fluid/properties		Upper cover fluid	Top cover Colour
		ID	OD	Core	Insert		
061135	21	3.2	5.6	Nylon	none	none	Clear
054123	17	4.57	6.35	Nylon 11	none	none	Natural/light
054175	21	4.3	6.35	Nylon 11	-	-	Natural/light
061345	7	4.8	6.35	Nylon	none	polyurethanes	Clear
061132	16	6.4	8.9	Nylon	none	none	Clear
054188	13	6.35	9.5	PTFE	none	none	Natural/light
054785	7	6.3	9.5	L.D. Polyethyl	none	none	Grey
054780	7	7.0	9.5	Nylon PA 12	none	none	blue
061134	14	9.5	12.7	Nylon	none	none	Clear
061205	35	6.4	12.7	Nylon	1 fabrics	Neoprene	black
061195	21	9.5	17.5	Nylon	1 fabrics	Synth. rubber	black
061200	35	12.7	21.8	Nylon	2 fabrics	Neoprene	black
061185	35	19.1	30.2	Nylon	2 fabrics	Neoprene	black
061260	35	19.1	30.2	Nylon	2 fabrics	Neoprene	black
061188	35	25.4	38.1	Nylon	2 fabrics	Neoprene	black
016684+	12	19.0	29.0	Synth. rubber	Textile fabric, 1 wire	Synth. rubber	black
016689+	12	25.0	37.0	Synth. rubber	Textile fabric, 1 wire	Synth. rubber	black

+ = conducts electricity

Low and medium pressure hose “coating’s & solvent’s”



Hose with fitting

Part No.	Connection thread	Fixture Part No.	Sheathed hose finished length in m and part no.						
			0.6	1.2	1.8	4.5	7.5	15.0	Special
061135 NW 1/8"	1/8" NPT(m) – 1/8" NPT(m) 1/4" NPS(m)	205436							
061345 NW 3/16"	3/8" NPS(f) 3/8" NPS(m)	239629 ^{2*} 239630 ^{2*}				239633 ³	239634 ³		
061132 NW 1/4"	1/8" NPT(m) 1/4" NPS(f) – 1/4" NPS(f) 3/8" NPS(f) – 3/8" NPS(f) 1/4" NPS(f) 3/8" NPS(f) 3/8" NPS(f)	205437 205447 205448 111913 ^{2*} 111914 ^{2*}			208591		205406 215637 (8 m)	215638	206965 (0.9) 235339 ³ (7.9) 244447 ³ (7.9)
054785 NW 6,3	1/4" NPS(f) – 1/4" NPS(f)						243802		
054780 NW 7.0	1/4" NPS(f) – 1/4" NPS(f)		243803 (0.9)			243804 (3.0)	243805		
061205 NW 1/4"	1/4" NPT(m) – 1/4" NPS(f) 1/4" NPS(f) – 1/4" NPS(f) 3/8" NPS(f) – 3/8" NPS(f)	104415 104084			205375 212006				216076 (8.0)
061134 NW 3/8"	3/8" NPS(f) 1/2" NPT(f)	205439 113187 NY							
061195 NW 3/8"	1/4" NPS(f) – 1/4" NPT(f) 3/8" NPS(f) – 3/8" NPS(f) R3/8" BSP(f) 1/2" NPT(m) – 3/8" NPS(f)	104414 6773021	194178 ³		205398		205142		194179(2.4) ³ 205169 (0.9)
061200 NW 1/2"	3/8" NPT(m) – 3/8" NPT(m) 1/2" NPT(m) – 3/8" NPT(m) 1/2" NPT(m) 1/2" NPT(m) – 1/2" NPT(m)				114198 [*] 202300 235148				
061185 NW 3/4"	3/4" NPT(m) – 1/2" NPT(m) 3/4" NPT(m) – 3/4" NPT(m)		208112		214961 ³	217382 (3.0)			214960 ³ (1.1) 236075 ³ (1.1)
061260 NW 3/4"	3/4" NPT(m) – 3/4" NPT(m)		221170 ^{*‡}		221171 ^{*‡}	221172 ^{*‡} (3.0)			
061188 NW 1"	1" NPT(m) – 1" NPT(m) 1" NPT(m)		188150 [°]		214959 ^{2*} 220372				220373 (3.7)

² = with spring guard on one end³ = with spring guards both ends

+ = Electricity conducting copper wire

◇ = Resistance max 1 MΩ per 7.6 m

* = Stainless steel

° = Without fixture

‡ = Grounding wire compressed fitting

Pressure Hose

“for universal use / air, water, oil, grease, etc.”



Hose without fitting

Raw hose Part No.	Operating pressure bar	Dimensions in mm		Fluid/properties			Top cover Colour
		ID	OD	Core	Insert	fluid	
061127*	88	6.4	14.3	Buna-N	2 fabrics	Buna-N	black
061257*	350	6.4	13.7	Buna-N	2 wire	Buna-N	black
061089*	14	9.5	16.7	Buna-N	1 fabrics	Buna-N	red
061083*	21	9.5	17.5	Buna-N	4 fabrics	Buna-N/PVC	black
061062*	158	9.5	19.8	Buna-N	1 wire	Buna-N/PVC	Grey
061258*	280	9.5	17.8	Buna-N	2 wire	Buna-N	black
061084*	140	12.7	19.1	Buna-N	1 wire	Neoprene	black
061253*	207	12.7	19.9	Buna-N	1 wire	Buna-N	black
061216*	240	12.7	25.4	Buna-N	2 wire	Buna-N	black
061560*	345	12.7	21.08	Nitrile	2 wire	Nitrile	black
061222*	350	12.7	27.9	Buna-N	2 wire	Buna-N	black
061380*	415	12.7	24.6	Neoprene	4 wire	Neoprene	black
061074*	53	19.1	31.8	Buna-N	2 fabrics	Neoprene	black
061262*	155	19.1	28.1	Buna-N	2 wire	Buna-N	black
061228	215	19.1	29.0	Synth. rubber	2 wire	Synth. rubber	black
061220*	350	19.1	33.3	Neoprene	2 wire	Buna-N	black
061259*	88	25.4	35.7	Buna-N	1 wire	Buna-N	black
061244*	165	25.4	35.0	Buna-N	2 wire	Buna-N/PVC	black
061409*	345	25.4	38.6	Neoprene	4 wire	Buna-N/PVC	black
061367	345	31.75	45.5	Synth. rubber	4 wire	Synth. rubber	black

*= Raw hose not available – only sheathed hose with finished length

Chapter 22

Pressure Hose

“for universal use / air, water, oil, grease, etc.”



Hose with fitting

Raw hose Part No.	Connection thread	Sheathed hose finished length in meter and part no.								
		0.3	0.6	1.2	1.8	3.0	4.5	7.5	15.0	Special
061127 NW ¼"	¼" NPT(m) – ¼" NPT(m)									205174(12.2)
061257 NW ¼"	¼" NPT(m) – ¼" NPT(m) ¼" NPT(m) – ⅜" NPT(m) ⅜" NPT(m) – ⅜" NPT(m)	109146 (0.38)	109147	109149	109150		109152 109153 (6.0)	109154 109156 (10.6)	109158	109151(3.6) 109157(12.2)
061089 NW ⅜"	¼" NPT(m) – ⅜" NPT(m) ⅜" NPT(m) – ⅜" NPT(m) ⅜" NPT(m) – ½" NPT(m)	(0.4) 204560	204561 (0.9)	208048 109130	203320	109131 (3m)	110326 (4.9 m)	109132	109134 (12m)	109135 (18.0) 109133 (9.2)
061083 NW ⅜"	¼" NPT(m) – ⅜" NPT(m) ⅜" NPT(m) – ½" NPT(m)			202961						218498 (18.2)
061258 NW ⅜"	¼" NPT(m) – ¼" NPT(m) ¼" NPT(m) – ⅜" NPT(m) ⅜" NPT(m) – ⅜" NPT(m)		109161	109162	109163		109165	109167	109170	109169(12.2)
061062 NW ⅜"	⅜" NPS(I) – ½" NPT(m) ⅜" NPT(m) – ⅜" NPT(m)								207831	205753 (12.2)
061084 NW ½"	⅜" NPT(m) – ⅜" NPT(m) ⅜" NPT(m) – ½" NPT(m) ½" NPT(m) – ½" NPT(m)				158743					214601(0.65)
061253 NW ½"	⅜" NPT(m) – ½" NPT(m) ½" NPT(m) – ½" NPT(m) ½" NPT(m) – ¾" NPT(m)	238401		220596	220591	109063 220590		220594 220608	220603 220602	220593(6.0) 237861(23.0)
061216 NW ½"	½" NPT(m) – ½" NPT(m)						214962		214964	
061560 NW ½"	½" NPT(m) – ½" NPT(m) ½" NPSM(f) – ½" NPT(m)		16D664						24C986	
061222 NW ½"	½" NPT(m) – ½" NPT(m)			215445 (1.5)		215441		215443	215444	
061380 NW ½"	½" NPT(m) – ½" NPT(m)						C12380			
061074 NW ¾"	½" NPT(m) – ¾" NPT(m) ¾" NPT(m) – ¾" NPT(m)				155816					
061262 NW ¾"	½" NPT(m) – 1" NPT(m) ¾" NPT(m) – ¾" NPT(m)				109105				237866	237867(20.0)
061228 NW ¾"	¾" NPT(m) – ¾" NPT(m)								218689	
061220 NW ¾"	¾" NPT(m) – ¾" NPT(m)				215241	215238	215239	215240		
061259 NW 1"	1" NPT(m) – 1" NPT(m)		109064 (0.71)							
061244 NW 1"	1" NPT(m) – 1" NPT(m)				115042				218986	
061409 NW 1"	1" NPT(m) – 1" NPT(m)				244657					
061367	1 ¼" NPT(m)					521973				

+ = Stainless steel

High pressure hose



Hose without fitting

Raw hose Part No.	Operating pressure bar	Dimensions in mm			Fluid/properties			Top cover Colour
		Inc.	ID	OD	Core	Insert	Top cover	
061448	227	3/16"	5.0	10.7	Nylon	1 textile fabric	polyurethane	blue
061440	207	1/4"	6.5	12.2	Nylon	4 textile fabric	polyurethane	blue
061446	227	1/4"	6.5	12.2	Nylon	4 textile fabric	polyurethane	blue
061461	276	1/4"	6.4	14.4	Nylon	Textile fabric	polyurethane	blue
061240	207	3/8"	9.5	18.5	Nylon	2 textile fabric	polyurethane	blue
061447	227	3/8"	9.6	17.8	Nylon	1 textile fabric	polyurethane	blue
061462	276	3/8"	9.5	19.2	Nylon	Textile fabric	polyurethane	blue
061463	276	1/2"	12.8	22.5	Nylon	Textile fabric	polyurethane	blue



Hose with fitting

Raw hose Part No.	Connection thread	Sheathed hose finished length in m and part no.							
		0.6	1.0	2.0	5.0	7.5	15.0	30.0	Special
061448 NW 3/16", 5 mm	1/4" NPS(f) 1/4" NPS(f) 1/4" NPS(f) – 1/4" NPT(m) 1/4" NPS(f)		238358 (0.9)	238359 (1.8)	214981 (4.5)	214698 241812+	214697 24B562		238959 (1.4)
061446 NW 1/4", 6.3 mm	1/4" NPS(f) 1/4" NPS(f) 1/4" NPT(m) 1/4" NPS(f) – 1/4" NPT(m)	249149° 239984 (0.63) 241926 (0.29)	248008 (1.2) 241735 (0.90)	245798°	223756 (4.5)	240793	249080° 240794	223771	249232° (0.91) 241272 (20.0)
061461 NW 1/4", 6.4 mm	1/4" NPS(f) 1/4" NPS(f) – 3/8" NPT(m)		277249 (0.9)				277250		
061240 NW 3/8", 9.5 mm	3/8" NPT(m) – 3/8" NPT(m) 3/8" NPT(m) – 3/8" NPS(f) 3/8" NPS(f) – 3/8" NPS(f)	217378 (0.76) 222516 (0.73) 220849 (0.76)							239287 (0.42)
061447 NW 3/8", 9.5 mm	3/8" NPS(f) 3/8" NPT(m)					240 796	240797 245225°	241 275	239278 (0.3)
061462 NW 3/8", 9.5 mm	3/8" NPS(f) – 1/2" NPT(m) 3/8" NPS(f)		277351 (0.9)				277251		
061463 NW 1/2", 12.7 mm	1/2" NPT(f)						277253		

Safety Flex hoses with spring guards at both ends

+ = Stainless steel

° = Nickel plated fitting connector

High pressure hose(carbon steel)



Hose without fitting

Raw hose Part No.	Operating pressure bar	Dimensions in mm			Fluid/properties			Top cover Colour
		Inc.	ID	OD	Core	Insert	Top cover	
061333 (6877554) ²	345	1/8"	3.2	7.0	Nylon	1 wire braid	polyurethane	blue
061328 (6877550) ²	283	3/16"	4.7	9.8	Nylon	1 wire braid	polyurethane	blue
061341 (not saleable)	345	3/16"	4.8	9.4	Nylon	1 layer wire	polyurethane	blue
061334 (6877551) ²	283	1/4"	6.3	11.9	Nylon	1 wire braid	polyurethane	blue
061326 (6877558) ²	345	1/4"	6.3	12.5	Nylon	2 wire braids	polyurethane	blue
061335 (6877552) ³	207	3/8"	9.7	15.9	Nylon	1 wire braid	polyurethane	blue
061327 (6877556) ³	345	3/8"	9.9	17.0	Nylon	2 wire braids	polyurethane	blue
061336 (6877553) ³	172	1/2"	12.8	19.3	Nylon	1 wire braid	polyurethane	blue
061340 (not saleable)	207	1/2"	13.1	18.3	Nylon	1 wire braid	polyurethane	blue
061329 (6877557) ³	345	1/2"	12.8	20.7	Nylon	2 wire braids	polyurethane	Blue
061337 (not saleable)	103	3/4"	19.4	26.7	Nylon	1 wire braid	polyurethane	blue
H42500 1/4" (not saleable)	310	1/4"	6.4	13.72	Nylon	2 wire braids	polyurethane	violet
H52500 1/4" (not saleable)	386	1/4"	6.4	13.72	Nylon	2 wire braids	polyurethane	Grey
H72500 1/4" (not saleable)	500	1/4"	6.4	13.72	Nylon	1 wire 1 textile	polyurethane	black
H43800 3/8" (not saleable)	310	3/8"	9.5	17.53	Nylon	2 wire braids	polyurethane	violet
H53800 3/8" (not saleable)	386	3/8"	9.5	17.53	Nylon	1 wire 1 textile	polyurethane	Grey
H73800 3/8" (not saleable)	500	3/8"	9.5	17.53	Nylon	1 wire 1 textile	polyurethane	black
H45000 1/2" (not saleable)	310	1/2"	12.7	21.00	Nylon	1 wire 1 textile	polyurethane	violet
H55000 1/2" (not saleable)	386	1/2"	12.7	21.00	Nylon	1 wire 1 textile	polyurethane	Grey
H75000 1/2" (not saleable)	500	1/2"	12.7	21.10	Nylon	1 wire 1 textile	polyurethane	black



Graco Product Guide

Chapter 22 - a

High pressure hose(carbon steel)



Hose with fitting

Raw hose Part No.	Connection thread	Sheathed hose finished length in m and part no.							
		0.6	1.0	2.0	5.0	7.5	15.0	30.0	Special
Nylon hose with wire braid insert – Temperature to max. 82°C									
061333 NW ⅛", 3.2 mm	¼" NPS(f)	238771	238772	238773	238774	238775			
061328 NW 3/16", 4.8 mm	¼" NPS(f) ¼" NPS(f)+	238708 239069	238709		238711	238712	238713		
061341 NW 3/16", 4.8 mm	¼" NPS(f)	239083	239082						
061334 NW ¼", 6.3 mm	¼" NPS(f)+	239108				239107	239111		239109 (0.37)
061335 NW ⅜", 9.7 mm	⅜" NPS(f)	238829	238830	238831	238832	238833		238835	
061336 NW ½" 12.8 mm	½" NPS(f)	238836	238837	238838	238839	238840	238841	238842	
061340 NW ½", 13.1 mm	½" NPT(m) ½" NPT(m)+	239148 (0.49) 239153 (0.58)		239149 (0.91) 239154 (0.91)					
061337 NW ¾", 19.4 mm	¾" NPS(f)	238843	238844	238845	238846	238847	238848		
Raw hose Part No.	Connection thread	0,9m	1,8m	3,0m	7,5m	15m	30m		
H42500 NW ¼" 6.4 mm	¼" NPS(f)	H42503	H42506	H42510	H42525	H42550	H4251X		
H52500 NW ¼" 6.4 mm	¼" NPS(f)	H52503	H52506	H52510	H52525	H52550	H5251X		
H72500 NW ¼" 6.4 mm	¼" NPS(f)	H72503	H72506	H72510	H72525	H72550	H7251X		
H43800 NW ⅜" 9.5 mm	⅜" NPS(f)	H43803	H43806	H43810	H43825	H43850	H4381X		
H53800 NW ⅜" 9.5 mm	⅜" NPS(f)	H53803	H53806	H53810	H53825	H53850	H5381X		
H73800 NW ⅜" 9.5 mm	⅜" NPS(f)	H73803	H73806	H73810	H73825	H73850	H7381X		
H45000 NW ½" 12.7 mm	½" NPS(f)			H45010	H45025	H45050	H4501X		
H55000 NW ½" 12.7 mm	½" NPS(f)			H55010	H55025	H55050	H5501X		
H75000 NW ½" 12.7 mm	½" NPS(f)			H75010	H75025	H75050	H7501X		

H X XX XX

Length in feet
I. D. in 1/100 inch
Pressure

4 = 310 bar (4500 psi)
5 = 386 bar (5600 psi)
7 = 500 bar (7250 psi)

+ = Stainless steel

° = Nickel plated fitting connector

(6877 xxx)² = 300 m roll

(6877 xxx)³ = 150 m roll

Chapter 22

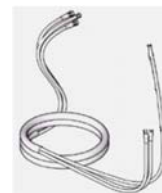
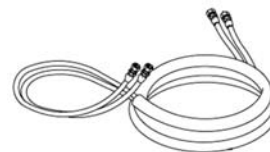
Hose kit's (Air-Assistend / high pressure)

Hose kits in cover			bar
239165	7.6 m	hose kit* with 2 x nylon hoses 6.3 mm, I.D. 1/4" NPS(f)	283
239342	7.6 m	hose kit* with 2 x nylon hoses 6.3 mm, I.D. 1/4" NPS(f) SST	

Hose kits (bound with STRAP WIRE 103473)			bar
239102	Air / Fluid hose 1/4'	7.6 m 1/4" NPS(f)	283
239074	Air / Fluid hose 1/4'	7.6 m 1/4" NPS(f) SST	
239104	Air / Fluid hose 1/4'	15.2 m 1/4" NPS(f)	
239076	Air / Fluid hose 1/4'	15.2 m 1/4" NPS(f) SST	

Hose kits (vulcanised bound)			bar
238608	Air / fluid hose 1/4'	7.6 m 1/4" NPS(f)	345
238721	Air / fluid hose 1/4'	15.2 m 3/8" NPS(f)	
238610	Air / fluid hose 1/4'	30.0 m 1/4" NPS(f)	

Hose kits in cover (Circulation)			bar
239347	Air /fluid hose circulation 1/4'	7.6 m 1/4" NPS(f)	283
239311	Air /fluid hose circulation 1/4'	7.6 m 1/4" NPS(f) SST	283

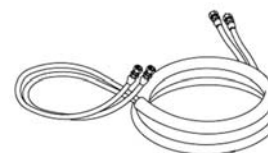


Hose Kit (Merkur Sprayer's Air-Assistend)

Hose Air			bar
256390	7.6 m	Air hose 061338 1/4" NPS(f)	7
256389	15.2 m	Air hose 061338 1/4" NPS(f)	

Hose Fluid			bar
241812	7.6 m	Fluid hose i.D 3/16" (061448) 1/4" NPSM (f)	227
214697	15.2 m	Fluid hose i.D 3/16" (061448) 1/4" NPSM (f)	

Hose kits (bound)			bar
24A955	15.2 m	Air / Fluid hose 1/4' 256389+214697	227



24A588
Clip Kit 10 pieces

Hose Kit (MiniMerkur Sprayer's Air-Assistend)

Hose Air			bar
241811	7.6 m	Air hose (061338) 1/4" NPSM(f)	7

Hose Fluid			bar
24F165	7.6 m	Fluid hose (16E973) 1/4" NPSM(f)	220
24F166	7.6 m	Fluid hose (16E974) 1/4" NPSM(f) SST-Fittings	



24H005 Clip

Electro – Static hoses

Hose kits (bounded with warp 110089)

bar

239361	7,6m	Air hose 061290 1/4" one end left thread / Fluid hose 061334 1/4" NPS	283
239364	15,2 m	Air hose 061290 1/4" one end left thread / Fluid hose 061334 1/4" NPS	
239097	7,6 m	Air hose 061290 1/4" one end left thread / Fluid hose 061334 1/4" NPS SST	
239100	15,2 m	Air hose 061290 1/4" one end left thread / Fluid hose 061334 1/4" NPS SST	



236130	0,9m	Air hose whip end left thread 1/4" NPSM (F) – 1/4" NPSM (m)	7
236131	1,8m	Air hose whip end left thread 1/4" NPSM (F) – 1/4" NPSM (m)	

185493	Air Hose Adapter Nipple, 1/4 npsm (L.H.) x 1/4 npsm		
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Hose kits in cover

bar

239357	7,6m	Hose triple Air / fluid – Hot 1/4"	283
239352	7,6m	Hose triple Air / fluid – Hot 1/4" SST	



Air hoses, grounded, 1/4"-18NPSM (F), one end left thread

Length	Part No.	Description	Part No.	Description	Part No.	Description
1,8 m	244963	Air Flex	223068	Standard	235068	Water based
4,6 m	244964	Air Flex	223069	Standard	235069	Water based
7,6 m	244965	Air Flex	223070	Standard	235070	Water based
11,0 m	244966	Air Flex	223071	Standard	235071	Water based
15,2 m	244967	Air Flex	223072	Standard	235072	Water based
23,0 m	244968	Air Flex	223073	Standard	235073	Water based
30,5 m	244969	Air Flex	223074	Standard	235074	Water based

Air Flex: EPDM tube and cover material for high flexibility, grey (061413)
Standard: tube material mod. polyamide, cover urethane, grey (061268)
Water based: tube material Polyurethane, inlet SST wire mesh, cover Polyurethane, red (061290)

215637	Fluid hose, Nylon, 8,0 m, 3/8" NPSM(f)	16 bar
215638	Fluid hose, Nylon, 15,2 m, 3/8" NPSM(f)	
240793	Nylon hose, 7,6 m, 1/4" NPS (f)	227 bar
240794	Nylon hose, 15,2 m, 1/4" NPS(f)	
236134	Whip end hose, 0,9 m, 1/4" NPS (male & female)	207 bar
236135	Whip end hose, 1,8 m, 1/4" NPS (male & female)	

Safety hose

070353	Hose cover length per foot (23" feet for 7.5 m hose kit) fibreglass with polyvinyl ø31.75 – 34 mm, black
70354012008	Safety hose, SBR external pattern, internally smooth textile insert Ø I.D. 35 mm black –40° – +80°C, 40 m
70354020023	Safety hose braid, polyamide 6.6, in grey, ø range from 18 – 30 mm, roll of 50 m
246078	Safety hose – braid, polyamide, black, normal Ø 63.5, 15 m, –57° to +125°C

Chapter 22

HOSES ACCESSORIES

PTFE hoses

Part No.	Length (meter)	Fluid	ID (mm)	Operating pressure (bar)	Thread Size	Fixture	Temperature
512028	3.0	PTFE	4.8	207	1/4" NPT(m)	Steel	
685612	2.0	PTFE	5.6	276	1/4" NPT(f)	stainless steel	
685614	4.6	PTFE	5.6	276	1/4" NPT(f)	stainless steel	
205324	0.3	PTFE	6.4	207	1/4" NPS(f)	Steel	At 172 bar max. 93°C At 103 bar max. 230°C
206966	0.48						
205099	0.76						
552231	3.6						
205349	4.5						
204938	7.5						
206024	15.0						
207295	0.48	PTFE	10.3	172	3/8" NPT(m)	Steel	
207296	0.76						
206260	1.8						
235905	0.76	PTFE	7.8	275	3/8" NPT(m)	stainless steel	
685602	4.6	PTFE	7.8	276	3/8" NPT(m)	stainless steel	
685603	7.6						
222935	4.5	PTFE	7.9	350	1/2" NPT(m) x 1/2" NPT(I)	Steel	
222934	4.5	PTFE	9.5	280	1/2" NPT(m) x 1/2" NPT(I)	Steel	
685605	2.0	PTFE	15.7	276	3/4" NPT(m)	stainless steel	
512247	2.3	PTFE	15.9	105	3/4" NPT(m)	Steel	

Suction hoses

Part No.	Length (meter)	ID (mm)	Thread Size	Notes
188150	0.91	19.1	Without fixture	
208112	0.61	19.1	3/4" x 1/2" NPT(m)	
214960	1.05	19.1	3/4" NPT(m)	
236075	1.05	19.1	3/4" NPT(m)	stainless steel
214961	1.8	19.1	3/4" NPT(m)	
214959	1.8	25.4	1" NPT(m)	stainless steel
237522	1.8	25.4	1" NPT(m)	With swivel nipple on one side
247301	1.8	25.4	1" NPT(m) On one side	On one side with quick connection to adapter 116 402, 1" NPT(m)
247302	3	25.4	1" NPT(m) On one side	On one side with quick connection to adapter 116 402, 1" NPT(m)
185381	1.04	25.4	Without fixture	
170706	1.2	25.4	Without fixture	
222914	2.44	38.1	1 1/2" NPT(M)	Polyethylene

Fluid hoses, grounded (061260) with the grounding wire compressed fitting (also suction hose)

Part No.	Length (meter)	ID (mm)	Core	Insert	Top cover	Operating pressure bar	Thread Size	Fixture
221170	0.9	19.1	Nylon	2 fabrics	Neoprene	35	3/4" NPT(m)	stainless steel
221171	1.8	19.1	Nylon	2 fabrics	Neoprene	35	3/4" NPT(m)	stainless steel
221172	3.0	19.1	Nylon	2 fabrics	Neoprene	35	3/4" NPT(m)	stainless steel

Fluid hose 12 bar maximum working pressure

Part No.	Name
238740	1.8 m x ID 9.5 mm hose inside polyethylene, outside rubber 1/4" NPT(I) x 3/8" NPT(M)

Special nipple (see also gun accessories Chapter 8-19 / 8-20)

Part No.	Name
6785508	Connection piece, 1/4"(I) x M16 x 1.5(M) for connection of Graco guns to hoses with metric thread
6789269	Connection piece, 1/4"(M) x M16 x 1.5(I) for connection of Graco hoses to guns with metric thread
109046	Adapter 11/16" – 16 UN(I) x 3/8" NPT(M)



“Blue Max II Hose” - CED unit's

Blue Max II Hose

Part No.	Raw hose	Max .bar	Hose I.D	Length	Fitting	Material
214981	061448	227 (*276)	3/16"	4,5 m	1/4" NPSM(f)	Nylon
214698				7,5 m		
214697				15 m		
223756	4,5 m					
240793	7,5 m					
*277250	15 m					
240794	15 m					
241272	20 m					
223771	30 m					
240796	7,5 m		3/8" NPSM(f)			
*277251	15 m					
240797	15 m					
241275	30 m					
277253	061463			1/2"	15 m	

Whip hose blue max II

Part No.	Raw hose	Max .bar	Hose I.D	Length	Fitting A	Fitting B	Material
238358	061448	227	3/16"	0,9 m	1/4 NPSM (f)	1/4 NPT (m)	Nylon
238959				1,4 m			
238359				1,8 m			
277249	061461	276	1/4"	0,9 m	3/8 NPSM (f)	3/8NPT (m)	
277351	061462		3/8"	0,9 m		1/2 NPT (m)	

Guns / hose kits “BlueMax II”

Part No.	Gun hose Kit 1/4"		
243922	hose 1/4" 15 m, bluemax (240794) , gun SG3 (243238), tip 262515		
288496	hose 1/4" 15 m, bluemax (240794) , whip end 3/16" (238358), gun Contractor II (288421), tip 262517		
288491	hose 1/4" 15 m, bluemax (240794) , whip end 3/16" (238358), gun Contractor II (246222), tip PAA621		
288499	hose 1/4" 15 m, bluemax (240794) , whip end 3/16" (238358), gun FTX-E (246539) tip 262517		
243321	hose 1/4" 15 m, bluemax (240794) , whip end 3/16" (238358), gun Silver (243283) tip 262517		
287041	hose 1/4" 15 m, bluemax (240794) , whip end 3/16" (238358), gun Silver (246240)		
Part No.	Gun hose Kit 3/8"		
287042	Hose 3/8" 15 m, bluemax (240797) , whip end 3/16" (238358), gun Silver (246240) tip PAA517		
287043	Hose 3/8" 15 m, bluemax (277251) , whip end 1/4" (244926), gun Silver (246240) tip PAA517		
289611	Hose 3/8" 15 m, bluemax (240797) , whip end 1/4" (241735), gun texture (241705) tip XHD427		
287852	Hose 3/8" 15 m, bluemax (277251) , whip end 1/4" (277249), gun texture (241705) tip XHD655 (HydraMax350)		
Part No.	Gun hose Kit 1/2"		
289585	Hose 1/2" 15 m, bluemax (277253) , whip end 3/8" (191239), gun inline (245820) tip WA1239/HDA643		

Hose connect / swivel CED Unit's

159841	Adapter 1/4" (f) – 3/8" (m)
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189018	Swivel 1/4" – 1/4"
207947	Swivel 1/2" – 1/2"

HEATED HOSES

used only in Therm-O-Flow systems 240 V

Part No.	Length (m)	ID (mm)	Fitting	Operating Pressure	Instruction manual
115902	1.8	10.2	¾"-16 JIC # 8	207 bar (3000psi)@ 104-204°C	309160
115873	3	10.2	¾"-16 JIC # 8		
253281*	3	10.2	¾"-16 JIC # 8		
115874	4.5	10.2	¾"-16 JIC # 8		
253282*	4.5	10.2	¾"-16 JIC # 8		
115875	1.8	12.5	⅞"-14 JIC # 10		
115876	3	12.5	⅞"-14 JIC # 10		
115877	4.5	12.5	⅞"-14 JIC # 10		
115878	6	12.5	⅞"-14 JIC # 10		
115879	7.5	12.5	⅞"-14 JIC # 10		
121200	9.1	12.5	⅞"-14 JIC # 10	276 bar (4000 psi) @	
15C586	0.9	15.7	1-1/16"-12 JIC # 12	54-100°C	
115903	1.8	15.7	1-1/16"-12 JIC # 12		
115880	3	15.7	1-1/16"-12 JIC # 12		
115881	4.5	15.7	1-1/16"-12 JIC # 12		
115882	6	15.7	1-1/16"-12 JIC # 12		
115883	7.5	15.7	1-1/16"-12 JIC # 12		
115884	1.8	22	1-5/16"-12 JIC # 16		
115885	3	22	1-5/16"-12 JIC # 16		
115886	4.5	22	1-5/16"-12 JIC # 16		
115887	6	22	1-5/16"-12 JIC # 16		
115888	7.5	22	1-5/16"-12 JIC # 16		
117821	3	28.6	1-5/8"-12		
117822	4.5	28.6	1-5/8"-12		

* with air hose for swirl applications



Technical Data:

Maximum working temperature	204 °C
Power required	230V 50/60Hz
Wetted parts	PTFE / SST
Power consumption	164 Watt / meter



Power-Lock™ Heated Hose (use by Reactor)

Manual: 309572

Part No.	Whip Hose	Length (meter)	"A" inlet (f) outlet (m)	"B" inlet (f) outlet (m)	Max pressure
249586	2x heated hose 1/4", air Hose, Scuff Jack (blue Ø 44,5mm)	0,9 m	-5 JIC	-6 JIC	138 bar
246050	2x heated hose 1/4", air Hose, Scuff Jack (blue Ø 44,5mm)	3 m			241 bar
246055	2x heated hose 1/4", air Hose, Scuff Jack (blue Ø 44,5mm)	3 m			
246056	2x heated hose 3/8", air Hose, Scuff Jack (blue Ø 44,5mm)	3 m			
261686*	2x heated hose 3/8", air Hose, Scuff Jack (blue Ø 44,5mm)	3 m			
258701	2x heated hose 1/4", air Hose, Scuff Jack (blue Ø 44,5mm)	3 m			345 bar

* Individual heated A and B lines.

Part No.	2 Component Hose	Length (Diam.)	"A" inlet (f) outlet (m)	"B" inlet (f) outlet (m)	Max pressure
	Air hose: 15B295 (15,2m) / 24F179 (7,6m) FTS-Cable: 15B296 (15,2m) / 24J524 (7,6m) Scuff Guard: 246078 (15,2m) / 246805 (7,6m)				
249587	Hose A 246065 + Hose B 246066, with air hose	7,6m (1/4")	5 JIC	6 JIC	138 bar
246048	Hose A 246065 + Hose B 246066, with FTSCable and air hose	7,6m (1/4")	5 JIC	6 JIC	
246074	Hose A 246059 + Hose B 246060, with air hose	15,2m (1/4")	5 JIC	6 JIC	
246045	Hose A 246059 + Hose B 246060, with FTSCable and air hose	15,2m (1/4")	5 JIC	6 JIC	
261328	Hose A 246094 + Hose B 246095, with air hose	7,6m (3/8")	5 JIC	6 JIC	
246049	Hose A 246094 + Hose B 246095, with FTSCable and air hose	7,6m (3/8")	5 JIC	6 JIC	
246075	Hose A 246061 + Hose B 246062, with air hose	15,2m (3/8")	5 JIC	6 JIC	
246046	Hose A 246061 + Hose B 246062, with FTSCable and air hose	15,2m (3/8")	5 JIC	6 JIC	
256549	Hose A 246061 + Hose B 246062, with air and hose Scuff	15,2m (3/8")	5 JIC	6 JIC	
246678	Hose A 246061 + Hose B 246062, with FTSCable, air hose, Scuff	15,2m (3/8")	5 JIC	6 JIC	
246076	Hose A 246063 + Hose B 246064, with air hose	15,2m (1/2")	8 JIC	10 JIC	241 bar
246047	Hose A 246063 + Hose B 246064, with FTSCable and air hose	15,2m (1/2")	8 JIC	10 JIC	
246052	Hose A 246067 + Hose B 246068, with FTSCable and air hose	15,2m (1/4")	5 JIC	6 JIC	
249588	Hose A 246069 + Hose B 246070, with air hose	15,2m (3/8")	5 JIC	6 JIC	
246053	Hose A 246069 + Hose B 246070, with FTSCable and air hose	15,2m (3/8")	5 JIC	6 JIC	
246679	Hose A 246069 + Hose B 246070, with FTSCable, air hose, Scuff	15,2m (3/8")	5 JIC	6 JIC	
261335	Hose A 246071 + Hose B 246072, with air hose	15,2m (1/2")	8 JIC	10 JIC	
246054	Hose A 246071 + Hose B 246072, with FTSCable and air hose	15,2m (1/2")	8 JIC	10 JIC	
256548	Hose A 246071 + Hose B 246072, with FTSCable, air hose, Scuff	15,2m (1/2")	8 JIC	10 JIC	
261332	Hose A + Hose B, with air hose	7,6m (3/8")	5 JIC	6 JIC	
262203	Hose A 15E751 + Hose B 15E752, with FTSCable and air hose	15,2m (3/8")	5 JIC	6 JIC	345 bar

Part No.	2 Component Hose	Length (Diam.)	"A" inlet (f) outlet (m)	"B" inlet (f) outlet (m)	Max pressure
	FTS-Cable: 15B296 (15,2m)				
248907	Hose A 15E750 + Hose B 15E752, with FTSCable	15,2m	1/4" 5 JIC	3/8" 6 JIC	345 bar
248908	Hose A 15E751 + Hose B 15E752, with FTSCable	15,2m	3/8" 5 JIC	3/8" 6 JIC	138 bar
255089	Hose A 246059 + Hose B 246062, with FTSCable, air hose, Scuff	15,2m	1/4" 5 JIC	3/8" 6 JIC	
261329	Hose A 246061 + Hose B 246062, FTSCable*, air hose, Scuff	15,2m	3/8" 5 JIC	3/8" 6 JIC	
247164	Hose A 246067 + Hose B 246070, with FTSCable, air hose, Scuff	15,2m	1/4" 5 JIC	3/8" 6 JIC	
261336	Hose A 246069 + Hose B 246072, with FTSCable, air hose,	15,2m	3/8" 5 JIC	1/2" 6 JIC	241 bar
261337	Hose A 246067 + Hose B 246070, with FTSCable‡, air hose	15,2m	1/4" 5 JIC	3/8" 6 JIC	
261334	Hose A 246069 + Hose B 246070, with FTSCable‡, air hose	15,2m	3/8" 5 JIC	3/8" 6 JIC	

* Stranded wire (no connectors) ‡ Two FTS cables and two sets of standard wires

Part No.	FTS- Sensor	"A" side Inlet outlet	"B" side Inlet outlet	Max pressure
261669	Sensor A "side"	5 JIC	5 JIC	345 bar
261670	Sensor B "side"	5 JIC	1/4" NPT	
261673	Kit dual FTS			

Accessories

15M312	Power lock splice kit (20 pieces)
261821	Heated hose jumper (required when not using heated whip)

UNION, swivel male - female			
			
Part No.	Dimension	Mat	bar
C19002	1/8" NPT(m) – 1/8" NPT(f)	ST	350
208434	1/8" NPT(m) – 1/4" NPS(f)	CS	350
513949	1/8" NPT(m) – 1/4" NPS(f)	VA	
113915	1/8" NPT(m) – 1/4" NPS(f)	MS	17.5
156823	1/4" NPT(m) – 1/4" NPS(f)	CS	350
114339	1/4" NPT(m) – 1/4" NPS(f)	VA	350
157705	1/4" NPT(m) – 3/8" NPS(f)	CS	350
112497	1/4" NPT(m) – 3/8" NPS(f)	VA	350
112496	1/4" NPT(m) – 3/8" BSPT(f)	CS	
112498	1/4" NPT(m) – 3/8" BSPT(f)	VA	
110476	3/8" NPT(m) – 1/4" NPS(f)	CS	
111748	3/8" NPT(m) – 1/4" NPS(f)	VA	
155665	3/8" NPT(m) – 3/8" NPS(f)	CS	350
235208	3/8" NPT(m) – 3/8" NPS(f) (35 mm)	VA	510
235207	3/8" NPT(m) – 3/8" NPS(f) (48 mm)	VA	350
162505	3/8" NPT(m) – 1/2" NPS(f)	CS	350
158256	3/8" NPT(m) – 1/2" NPS(f)	CS	350
236892	1/2" NPT(m) – 3/8" NPS(f)	VA	
190451	1/2" NPT(m) – 1/2" NPS(f)	CS	210
114190	1/2" NPT(m) – 1/2" NPS(f)	VA	240
156684	1/2" NPT(m) – 1/2" NPS(f)	CS	350
113344	1/2" NPT(m) – 3/4" NPS(f)	CS	350
157785	3/4" NPT(m) – 3/4" NPS(f)	CS	250
112268	3/4" NPT(m) – 3/4" NPS(f)	VA	155
202965	1" NPT(m) – 3/4" NPS(f)	CS	310
160022	1" NPT(m) – 1" NPS(f)	CS	140
116648	1" NPT(m) – 1" NPS(f)	CS	290
103977	1" NPT(m) – 1" NPS(f) (50.8mm)	VA	21
236433	1" NPT(m) – 1" NPS(f) (76.2mm)	VA	21
113864	1 1/2" NPT(m) – 1 1/2" NPS(f)	CS	
116470	2" NPT(m) – 2" NPS(f)	CS	128

UNION, swivel male – female 90°			
			
Part No.	Dimension	Mat	bar
C19005	1/8" NPT(m) – 1/8" NPS(f)	CS	410
155541	1/4" NPT(m) – 1/4" NPS(f)	CS	350
114446	1/4" NPT(m) – 1/4" NPS(f)	VA	345
116395	1/4" NPT(m) – 3/8" NPS(f)	CS	
155495	3/8" NPT(m) – 1/4" NPS(f)	CS	350
155494	3/8" NPT(m) – 3/8" NPS(f)	CS	350
207123	3/8" NPT(m) – 3/8" NPS(f)	VA	350
217430	3/8" NPT(m) – 1/2" NPS(f)	CS	240
161037	1/2" NPT(m) – 3/8" NPS(f)	CS	350
155470	1/2" NPT(m) – 1/2" NPS(f)	CS	210
C19024	1/2" NPT(m) – 1/2" NPS(f)	CS	390
116095	1/2" NPT(m) – 3/4" NPS(f)	CS	155
C50359	3/4" NPT(m) – 1/2" NPS(f)	CS	210
160327	3/4" NPT(m) – 3/4" NPS(f)	CS	160
110292	3/4" NPT(m) – 3/4" NPS(f)	VA	160
15V522	3/4" NPT(m) – 3/4" NPS(f)	VA	160
107409	1" NPT(m) – 3/4" NPS(f)	CS	
119363	1" NPT(m) – 1" NPS(f)	CS	155
102806	1" NPT(m) – 1" NPS(f)	CS	190
112580	1 1/4" NPT(m) – 1 1/4" NPS(f)	CS	105
15V521	1 1/2" NPT(m) – 1 1/2" NPS(f)	VA	137

Rotary screw joint			
			
female – female			
Part No.	Dimension	Mat	bar
517099	1" NPT(f) – 1" NPT(f)	CS	410
521975	1 1/4" NPT(f) – 1 1/4" NPT(f)	CS	410

SWIVEL UNION 45° male - female			
			
Part No.	Dimension	Mat	bar
110220	1/4" NPT(m) – 1/4" NPS(f)	CS	140
109106	1/4" NPT(m) – 1/4" NPS(f)	CS	510
110195	1/4" NPT(m) – 3/8" NPS(f)	CS	350
161889	3/8" NPT(m) – 3/8" NPS(f)	CS	350
209029	3/8" NPT(m) – 3/8" NPS(f)	VA	350
207411	3/8" NPT(f) – 3/8" NPS(f)	CS	350
222297	1/2" NPT(m) – 1/2" NPS(f)	CS	250
105281	3/4" NPT(m) – 3/4" NPS(f)	CS	350

UNION, swivel female – female			
			
Part No.	Dimension	Mat	bar
155570	1/4" NPT(f) – 1/4" NPS(f)	CS	350
159153	3/8" NPT(f) – 1/4" NPS(f)	CS	350
156173	3/8" NPT(f) – 3/8" NPS(f)	CS	510
207152	3/8" NPT(f) – 3/8" NPS(f)	VA	350
155653	1/2" NPT(f) – 1/4" NPS(f)	CS	350
161077	1/2" NPT(f) – 3/8" NPS(f)	CS	240
155865	1/2" NPT(f) – 1/2" NPS(f)	CS	310
203828	1/2" NPT(f) – 1/2" NPS(f)	CS	350
156172	3/4" NPT(f) – 3/4" NPS(f)	CS	350
202966	3/4" NPT(f) – 1" NPS(f)	CS	290
158383	1" NPT(f) – 1" NPS(f)	CS	290

UNION, swivel female – female 90°			
			
Part No.	Dimension	Mat	bar
157676	1/4" NPT(f) – 1/4" NPS(f)	CS	350
162803	1/4" NPT(f) – 3/8" NPS(f)	CS	350
155677	3/8" NPT(f) – 3/8" NPS(f)	CS	350
159801	3/8" NPT(f) – 1/2" NPS(f)	CS	290
157416	1/2" NPT(f) – 1/2" NPS(f)	CS	280
113934	1/2" NPT(f) – 1/2" NPS(f)	VA	210
16M776	3/4-14NPSM (f)- 1-11.5 NPSF (f)	CS	
156589	3/4" NPT(f) – 3/4" NPS(f)	CS	170
112572	3/4" NPT(f) – 3/4" NPS(f)	VA	
112955	1" NPT(f) – 1" NPS(f)	CS	105
109512	1 1/2" NPT(f) – 1 1/2" NPS(f)	CS	140

UNION, swivel male – female			
			
Part No.	Dimension	Mat	bar
117595	1/4"NPT(m)-#5JIC (1/2"-20 UNF)	CS	410
117506	1/4"NPT(m)-#6JIC (9/16"-18 UNF)	CS	345

Abbreviation:

MS = Brass Z = Z-Swivel cs = Carbonsteel

AL = Aluminium VA= Stainless Steel NY= Nylon

TE= PTFE GT= Malleable cacs iron VI= Viton

NPT(m)= Conical hose – (outer) thread

NPS(f)= Cylindrical hose – (inner) thread

Note:

• Indicated operating pressures (BD) based on 4-fold safety.

• Fittings with an operating pressure (BD) above 25 bar are correspondingly marked.

• All cstandard cseel, brass and cacs fittings and fixtures are galvanized, chrome plated or nickel plated.

Chapter 22 b

High & Low pressure fittings

Connector male - male				
				
Part No.	Dimension	Mat		bar
103656	1/8" NPT(m) - 1/8" NPT(m)	MS		25
151243	1/8" NPT(m) - 1/8" NPT(m)	CS	45°	
C20477	1/8" NPT(m) - 1/8" NPT(m)	CS		410
156971	1/4" NPT(m) - 1/4" NPT(m)	CS	30°	510
166421	1/4" NPT(m) - 1/4" NPT(m)	SST	30°	210
162453	1/4" NPT(m) - 1/4" NPS(m)	CS	30°	510
196181	1/4" NPT(m) - 1/4" NPS(m)	CS †	30°	510
166846	1/4" NPT(m) - 1/4" NPS(m)	SST	30°	350
156849	3/8" NPT(m) - 3/8" NPT(m)	CS	30°	410
C20483	3/8" NPT(m) - 3/8" NPT(m)	SST	30°	410
166469	3/8" NPT(m) - 3/8" NPT(m)	SST	30°	210
167702	3/8" NPT(m) - 3/8" NPT(m)	MS	30°	
162485	3/8" NPT(m) - 3/8" NPS(m)	CS	30°	350
196178	3/8" NPT(m) - 3/8" NPS(m)	CS †	30°	350
188089	3/8" NPT(m) - 3/8" NPS(m)	SST	30°	350
158491	1/2" NPT(m) - 1/2" NPT(m)	CS	30°	510
166244	1/2" NPT(m) - 1/2" NPT(m)	SST	30°	210
114373	1/2" NPT(m) - 1/2" NPT(m)	SST		345
160032	3/4" NPT(m) - 3/4" NPT(m)	CS	30°	350
510073	3/4" NPT(m) - 3/4" NPT(m)	SST	30°	210
C20487	3/4" NPT(m) - 3/4" NPT(m)	CS	30°	410
C20489	1" NPT(m) - 1" NPT(m)	CS		410
C20490	1 1/4" NPT(m) - 1 1/4" NPT(m)	CS		345

Reducing DoubleNipple male - male				
				
Part No.	Dimension	Mat		bar
151519	1/4" NPT(m) - 1/8" NPT(m)	CS	30°	510
111643	1/4" NPT(m) - 1/8" NPT(m)	SST	30°	350
191872	1/4" NPS(m) - 1/8" NPT(m)	CS	30°	345
191929	1/4" NPS(m) - 1/8" NPT(m)	SST	30°	310
195224	1/4" NPT(m) - 3/8" -18.6 SP	SST	30°	
112495	1/4" NPT(m) - 3/8" BSPT(m)	SST	30°	
156296	3/8" NPT(m) - 1/8" NPT(m)(50.8)	CS	30°	350
157350	3/8" NPT(m) - 1/4" NPT(m)	CS	30°	350
165198	3/8" NPT(m) - 1/4" NPT(m)(44)	CS	30°	690
164856	3/8" NPT(m) - 1/4" NPT(m)(43)	SST	30°	550
164672	3/8" NPT(m) - 1/4" NPS(m)	CS	30°	410
196177	3/8" NPT(m) - 1/4" NPS(m)	CS †	30°	410
196176	3/8" NPS(m) - 1/4" NPT(m)	CS †	30°	350
112494	3/8" NPS(m) - 1/4" NPT(m)	SST	30°	
113070	3/8" NPT(m) - 1/4" NPT(m)	SST	30°	
166863	3/8" NPT(m) - 1/4" NPT(m)(33)	SST	30°	350
164856	3/8" NPT(m) - 1/4" NPT(m)(42.8)	SST	30°	510
160704	3/8" NPT(m) - 1/4" NPT(m)(92)	CS	30°	350
162449	1/2" NPT(m) - 1/4" NPT(m)	CS	30°	510
159239	1/2" NPT(m) - 3/8" NPT(m)	CS	30°	510
112027	1/2" NPT(m) - 3/8" NPT(m)	SST		350
158979	1/2" NPT(m) - 3/8" NPT(m)(70)	CS	30°	280
111874	1/2" NPT(m) - 3/8" NPT(m)(70)	SST	30°	350
161800	3/4" NPT(m) - 3/8" NPS(m)	CS	30°	350
194048	3/4" NPT(m) - 3/8" NPT(m)	CS	30°	280
166606	3/4" NPT(m) - 3/8" NPT(m)(116)	CS	30°	350
098193	3/4" NPT(m) - 3/8" NPT(m)(116)	SST	30°	350
157191	3/4" NPT(m) - 1/2" NPT(m)	CS	30°	350
190864	3/4" NPT(m) - 1/2" NPT(m)	CS	30°	
166443	3/4" NPT(m) - 1/2" NPT(m)	SST	30°	350
192593	3/4" NPT(m) - 1/2" NPT(m)(70)	SST	30°	350
503086	1" NPT(m) - 1/2" NPT(m)	SST		350
171439	1" NPT(m) - 3/4" NPT(m)	SST	30°	
158555	1" NPT(m) - 3/4" NPT(m)	CS	30°	350
179970	1" NPT(m) - 3/4" NPS(m)	CS	30°	350
C38306	1 1/4" NPT(m) - 1" NPT(m)	SST		365

Connector male - male special lenght (xx)				
				
Part No.	Dimension	Mat		bar
192644	1/4" NPT(m) - 1/4" NPT(m) (55)	CS	30°	550
193167	1/4" NPT(m) - 1/4" NPT(m) (95.5)	SST	30°	350
168696	3/8" NPT(m) - 3/8" NPT(m) (50.8)	SST	30°	350
156850	3/8" NPT(m) - 3/8" NPT(m) (63.8)	CS	30°	410
191931	3/8" NPT(m) - 3/8" NPT(m) (63.8)	SST	30°	210
160790	3/8" NPT(m) - 3/8" NPT(m) (92)	CS	30°	410
193024	3/8" NPT(m) - 3/8" NPT(m) (169)	CS	30°	500
156877	1/2" NPT(m) - 1/2" NPT(m) (63.5)	CS	30°	380
193180	1/2" NPT(m) - 1/2" NPT(m) (76.2)	SST	30°	350
175013	3/4" NPT(m) - 3/4" NPT(m) (63.5)	CS	30°	350
157129	3/4" NPT(m) - 3/4" NPT(m) (82.5)	CS	30°	480

Bushing, reducer, pipe male - female				
				
Part No.	Dimension	Mat		bar
100030	1/4" NPT(m) - 1/8" NPT(f)	CS	30°	350
196180	1/4" NPT(m) - 1/8" NPT(f)	CS †	30°	350
100730	3/8" NPT(m) - 1/8" NPT(f)	CS	-	350
100176	3/8" NPT(m) - 1/4" NPT(f)	CS	30°	350
168160	3/8" NPT(m) - 1/4" NPT(f)	SST	30°	210
100329	1/2" NPT(m) - 1/8" NPT(f)	GT	-	25
C19678	1/2" NPT(m) - 1/8" NPT(f)	CS	-	410
100206	1/2" NPT(m) - 1/4" NPT(f)	CS	30°	350
102022	1/2" NPT(m) - 1/4" NPT(f)	SST	45°	350
516306	1-1/2" NPT(m) - 1" NPT(f)	SST		
158212	1/2" NPT(m) - 3/8" NPT(f)	CS	30°	350
504285	1/2" NPT(m) - 3/8" NPT(f)	SST	-	410
517414	1/2" NPT(m) - 3/8" NPT(f)	MS	-	70
100081	1/2" NPT(m) - 3/8" NPT(f)	CS		410
100615	3/4" NPT(m) - 1/4" NPT(f)	CS	-30°	350
100505	3/4" NPT(m) - 3/8" NPT(f)	CS	-	350
102281	3/4" NPT(m) - 3/8" NPT(f)	SST	-	350
100896	3/4" NPT(m) - 1/2" NPT(f)	CS	30°	350
15U426	3/4" NPT(f) - 1/2" NPT(m)	SST		275
C19652	1" NPT(m) - 1/4" NPT(f)	CS	-	410
101742	1" NPT(m) - 3/8" NPT(f)	GT	-	16
C19653	1" NPT(m) - 3/8" NPT(f)	CS	-	410
513299	1" NPT(m) - 1/2" NPT(f)	SST	-	210
100380	1" NPT(m) - 1/2" NPT(f)	CS	30°	210
158586	1" NPT(m) - 3/4" NPT(f)	CS	30°	210
502851	1" NPT(m) - 3/4" NPT(f)	SST	-	210
C19660	1 1/4" NPT(m) - 1/2" NPT(f)	CS	-	410
C19661	1 1/4" NPT(m) - 3/4" NPT(f)	CS	-	410
516296	1 1/4" NPT(m) - 3/4" NPT(f)	SST	-	21
503425	1 1/4" NPT(m) - 3/4" NPT(f)	SST	-	210
500054	1 1/4" NPT(m) - 1" NPT(f)	CS	-	
515992	1 1/4" NPT(m) - 1" NPT(f)	SST	-	
101496	1 1/2" NPT(m) - 3/4" NPT(f)	CS	-	210
114188	1 1/2" NPT(m) - 3/4" NPT(f)	SST	-	210
102000	1 1/2" NPT(m) - 1" NPT(f)	GT	-	16
C19668	1 1/2" NPT(m) - 1" NPT(f)	CS	-	410
112972	1 1/2" NPT(m) - 1 1/4" NPT(f)	GT	-	25
112839	2" NPT(m) - 1" NPT(f)	GT	-	16
102283	2" NPT(m) - 1" NPT(f)	MS	-	16
109505	2" NPT(m) - 1 1/2" NPT(f)	GT	-	16

(xx) Special length

† = electroless nickel platin



Graco Product Guide

Chapter 22 b

High & Low pressure fittings

BUSHING, reducer, pipe female - female



Part No.	Dimension	Mat	bar
105276	¾" - 16 UNF - ¼" NPT(F) with O ring	CS	210

DOUBLE NIPPLE NPT(M) - ISO 228 - G - BSP



Part No.	Dimension	Mat	bar
15C332	¼" NPT(m) - ¼" BSPP(m)	SST	
15C333	Sealing ring fits 15C332		
15B521	¾" NPT(m) - ¾" BSPP(m)	SST	550
234083	¾" NPT(m) - ¾" BSPP(m) incl. sealing	SST	540
15A984	¾" NPT(m) - ¾" BSPT(m)	SST	500
15B525	¾" NPT(m) - 1" BSPP(m)	SST	365

ELBOW 90° female - female



Part No.	Dimension	Mat	bar
C19425	¼" NPT(f) - ¼" NPT(f)	CS	140
108417	¼" NPT(f) - ¼" NPT(f)	SST	345
165472	¾" NPT(f) - ¾" NPT(f)	CS	350
116976	2" NPT - 1 ¼" NPT	CS	
100119	½" NPT(f) - ½" NPT(f)	GT	25
500947	½" NPT(f) - ½" NPT(f)	SST	140
102325	¾" NPT(f) - ¾" NPT(f)	SST	35
100349	¾" NPT(f) - ¾" NPT(f)	GT	35
112192	¾" NPT(f) - ¾" NPT(f)	SST	16
112040	¾" NPT(f) - ¾" NPT(f)	CS	350
112885	1" NPT(f) - ½" NPT(f)	GT	16
C19438	1" NPT(f) - 1" NPT(f)	CS	140
500251	1" NPT(f) - 1" NPT(f)	SST	10.5
115262	1" NPT(f) - 1" NPT(f)	CS	410
116401	1 ¼" NPT(f) - 1" NPT(f)	GT	35
112175	1 ½" NPT(f) - ¾" NPT(f)	GT	10.5
109475	1 ½" NPT(f) - 1 ½" NPT(f)	GT	16
115129	1 ½" NPT(f) - 1 ½" NPT(f)	CS	410

ELBOW 90° male - female



Part No.	Dimension	Mat	bar
112307	½" NPT(m) - ½" NPT(f)	CS	
112538	¼" NPT(m) - ¼" NPT(f)	CS	
C19445	¼" NPT(m) - ¼" NPT(f)	GT	11
100286	¾" NPT(m) - ¾" NPT(f)	GT	16
C19462	¾" NPT(m) - ¾" NPT(f)	CS	210
110756	¾" NPT(m) - ¾" NPT(f)	SST	21
112026	¾" NPT(m) - ¾" NPT(f)	SST	350
100119	½" NPT(m) - ½" NPT(f)	GT	16
100611	½" NPT(m) - ¾" NPT(f)	GT	16
100549	¾" NPT(m) - ¾" NPT(f)	GT	16
115813	¾" NPT(m) - ¾" NPT(f)	SST	11
100467	1" NPT(m) - 1" NPT(f)	GT	16
110300	1" NPT(m) - 1" NPT(f)	CS	350
504045	1" NPT(m) - 1" NPT(f)	SST	70
C38324	1 ¼" NPT(m) - 1 ¼" NPT(f)	CS	410
101552	1 ½" NPT(m) - 1 ½" NPT(f)	GT	16
100088	2" NPT(m) - 2" NPT(f)	GT	16

ELBOW 60° male - femal



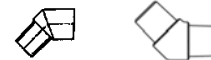
Part No.	Dimension	Mat	bar
15M987	½ - 14 NPT	CS	500

ELBOW 90° male - male



Part No.	Dimension	Mat	bar
110207	½" NPT(m) - ½" NPT(m)	CS	8
110249	¼" NPT(m) - ¼" NPT(m)	30° CS	414
111763	¼" NPT(m) - ¼" NPT(m)	30° CS	360
114342	¼" NPT(m) - ¼" NPT(m)	30° SST	
109544	¾" NPT(m) - ¾" NPT(m)	CS	414
116117	½" NPT(m) - ½" NPT(m)	CS	586
114506	½" NPT(m) - ½" NPT(m)	SST	350
108307	¾" NPT(m) - ¾" NPT(m)	CS	

Elbow 45° male - male female - male



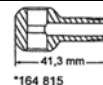
Part No.	Dimension	Mat	bar
113630	½" NPT(m) - ½" NPT(f)	MS	70
113444	¼" NPT(m) - ¼" NPT(f)	MS	70
114030	¼" NPT(m) - ¼" NPT(f)	CS	345
113933	¼" NPT(m) - ¼" NPT(f)	SST	345
116756	¾" NPT(m) - ¾" NPT(f)	CS	345
116755	½" NPT(m) - ½" NPT(f)	CS	275
15J002	½" NPT(m) - ½" NPT(m)	CS	414

T-Fitting 3x femal



Part No.	Dimension	Mat	bar
C19466	½" NPT(f)	CS	207
104984	¼" NPT(f)	CS	350
110290	¼" NPT(f)	SST	350
103696	¼" NPT(f)	MS	170
100483	¾" NPT(f)	CS	210
114526	¾" NPT(f)	CS	
105690	¾" NPT(f)	CS	330
102901	¾" NPT(f)	SST	310
103475	½" NPT(f)	CS	210
502570	½" NPT(f)	SST	310
166466	¾" NPT(f)	CS	210
113833	¾" NPT(f)	SST	210
500566	1" NPT(f)	CS	70
106464	1" NPT(f)	CS	270
C19488	1 NPT(f)	CS	410
113606	1" NPT(f)	SST	10.5
C19491	1 ¼" NPT(f)	CS	138

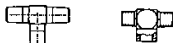
T-Fitting 1x male 2x female



Part No.	Dimension	Mat	bar
110440	½" NPT(m), 2x ½" NPT(f)	MS	22
164815*	½" NPT(m), 2x ½" NPT(f)	CS	410
108638	¼" NPT(m), 2x ¼" NPT(f)	CS	
185281	¼" NPT(m), 2x ¼" NPT(f)	SST	350
113777	¾" NPT(m), 2x ¾" NPT(f)	CS	310
111928	¾" NPT(m), 2x ¾" NPT(f)	SST	
117780	½" NPT(m), 2x ½" NPT(f)	MS	70
517434	½" NPT(m), 2x ½" NPT(f)	SST	240
C20900	¾" NPT(m), 2x ¾" NPT(f)	CS	207

Chapter 22 b

High & Low pressure fittings

T - Fitting				
				
Part No.	Dimension	Mat	bar	
110475	1/8" NPT(f) x 1/8" NPT(m) x 1/8" NPT(f)	CS		
106228	1/4" NPT(f) x 1/4" NPT(m) x 1/4" NPT(f)	MS	210	
116504	1/4" NPT(f) x 1/4" NPT(m) x 1/4" NPT(f)	CS	345	
803088	3/8" NPT(f) x 3/8" NPT(m) x 3/8" NPT(f)	CS		
108673	3/8" NPT(f) x 3/8" NPT(m) x 3/8" NPT(f)	SST	280	
108126	1/2" NPT(f) x 1/2" NPT(m) x 1/2"NPT(f)	CS		
111337	3/4" NPT(f) x 3/4" NPT(m) x 3/4" NPT(f)	CS	150	
107128	1/2 NPT(f) x 1/2 NPT(f) x 1/2 NPT(m)	CS		
T - Fitting				
				
Part No.	Dimension	Mat	bar	
113548	3 x 1/4" NPT(m)	MS	269	
115219	3 x 1/4" NPT(m)	CS	345	
113786	3 x 3/8" NPT(m)	CS	11	
116400	3 x 3/8" NPT(m)	SST	517	
108066	3/8" NPT(F), 2 x 3/8" NPT(m)	CS		

T - Fitting				
				
Part No.	Dimension	Mat	bar	
119783	1/4" NPS(f) x 1/4" NPS(f) x 1/4" NP(f)	CS	345	
103475	3 x 1/2 -14 NPT(f)	CS	207	
Adapter				
male - female				
Part No.	Dimension		Mat	bar
150171	1/8" NPT(m) – 1/8" NPT(f)	CS		350
159840	1/8" NPT(m) – 1/4" NPT(f)	CS		350
C20895	1/8" NPT(m) – 1/4" NPT(f)	SST		310
156580	1/8" NPT(m) – 3/8" NPT(f)	CS		350
108415	1/8" NPT(m) – 3/8" NPT(f)	SST		345
116393	1/4" NPT(m) – 1/4" NPT(f)	CS		
115571	1/4" BSPT(m) – 1/4" NPT(f)	SST		
150287	1/4" NPT(m) – 3/8" NPT(f)	CS	30°	550
512351	1/4" NPT(m) – 3/8" NPT(f)	SST	30°	350
113032	1/4" NPT(m) – 1/2" NPT(f)	MS		10.5
159842	1/4" NPT(m) – 1/2" NPT(f)	CS	30°	280
159841	3/8" NPT(m) – 1/4" NPT(f)	CS		350
183050	3/8" NPT(m) – 1/4" NPT(f)	SST		280
150286	3/8" NPT(m) – 3/8" NPT(f)	CS		280
15B729	3/8" NPS(m) – 3/8" NPT(f)	CS	30°	500
156022	3/8" NPT(m) – 1/2" NPT(f)	CS	30°	280
114499	1/2" NPT(m) – 1/2" NPT(f)	SST	30°	350
188030	3/8" NPT(m) – 3/4" NPT(f)	SST	30°	680
104969	1/2" NPT(m) – 3/4" NPT(f)	CS	30°	276
C20894	1/2" NPT(m) – 3/4" NPT(f)	CS		
168595	1/2" NPT(m) – 3/4" NPT(f)	CS		152
164660	3/4" NPT(m) – 3/4" NPT(f)	CS		210
166044	3/4" NPT(m) – 3/4" NPT(f)	SST		210
188597	3/4" NPS(m) – 3/4" NPT(m)(114mm)	CS	30°	
112573	1" NPT(m) – 1 1/4" NPT(f)	CS		

Crosspiece				
				
Part No.	Dimension	Mat		bar
113264	1/4" NPT(f)	MS	70	
102959	1/4" NPT(f)	CS	140	
110191	1/4" NPT(f)	SST	350	
188033	3/8" NPT(f)	SST	10.5	
119874	3/8" NPT(f)	CS	310	
C20432	1/2" NPT(f)	CS	82	
C20434	3/4" NPT(f)	CS	82	
112168	1/4"NPT(m)x1/4"NPT(f) x1/4"NPS (m)x1/4"NPT	SST		

Bracket 90°				
				
100839	1/8" NPT(m)- 1/8" NPT(f)	CS	45°	250
191892*	1/8" NPT(m)-1/8"NPT(f) (29.2)	CS		248
158962	1/8" NPT(m)-1/4"NPT(f) (28.6)	CS		
103893	1/4" NPT(m)-1/4" NPT(f)	MS		80
100840	1/4" NPT(m)-1/4"NPT(f) (25.4)	CS	30°	510
115335	1/4" NPT(m)-1/4"NPT(f) (17.4)	SST	30°	
166866	1/4" NPT(m)-1/4" NPT(f)	SST	30°	350
187357	1/4" NPT(m)-1/4"NPT(f) (31.8)	CS	30°	
162667	1/4" NPT(m)-1/2" NPT(f)	CS	30°	
164259	3/8" NPT(m) - 1/4" NPT(f)	CS	30°	350
155699	3/8" NPT(m) - 3/8" NPT(f)	CS	30°	350
196179	3/8" NPT(m) - 3/8" NPT(f)	CS †	30°	350
166999	1/2" NPT(m) - 1/4" NPT(f)	CS	30°	350
115764	1/2" NPT(m) - 1/2" NPT(f)	CS	30°	210
158683	1/2" NPT(m) - 1/2" NPT(f)	CS	30°	510
166242	1/2" NPT(m) - 1/2" NPT(f)	SST		310
166590	3/4" NPT(m) - 3/4" NPT(f)	CS	45°	350
111386	3/4" NPT(m) - 3/4" NPT(f)	VA		
176393	3/4" NPT(m) - 3/4" NPT(f)	CS		
180180	1 1/2" NPT(m) - 1" NPT(f)	CS		35
6878110	2" NPT(m) - 1" NPT(f)	SST		35

† = electroless nickel plating

Elbow	
191892*	

Coupling sleeve				
				
Part No.	Dimension	Mat	bar	
100451	1/8" NPT(f) - 1/8" NPT(f)	CS	350	
150278	1/8" NPT(f) - 1/4" NPT(f)	CS	350	
113093	1/4" NPT(f) - 1/4" NPT(f)	CS	350	
110336	1/4" NPT(f) - 1/4" NPT(f)	SST	350	
100083	1/4" NPT(f) - 3/8" NPT(f)	CS		
162024	3/8" NPT(f) - 3/8" NPT(f)	CS	350	
161490	3/8" NPT(f) - 1/2" NPT(f)	CS	210	
6878109	3/8" NPT(f) - 3/4" NPT(f)	SST	210	
158581	1/2" NPT(f) - 1/2" NPT(f)	CS	350	
117627	1/2" NPT(f) - 1/2" NPT(f)	SST	410	
158556	1/2" NPT(f) - 3/4" NPT(f)	CS	210	
100385	3/4" NPT(f) - 3/4" NPT(f)	GT	16	
C38447	3/4" NPT(f) - 3/4" NPT(f)	CS	410	
112176	3/4" NPT(f) - 3/4" NPT(f)	SST	350	
116649	3/4" NPT(f) - 1" NPT(f)	CS	410	
100474	1" NPT(f) - 1" NPT(f)	GT	210	
116650	1" NPT(f) - 1 1/2" NPT(f)	CS	207	
C38457	1 1/2" NPT(f) - 1 1/4" NPT(f)	CS	410	

High & Low pressure fittings

Double nipple

NPT – JIC 37°



Part No.	Dimension 1/8"	Mat		bar
111612	1/8" NPT(m) – 9/16 -18 UNF #6	CS	37°	
116150	1/8" NPT(m) – 3/8" 18	MS	45°	228
107127	3/4 NPT(m) – 1 5/16-12 UN-2A	CS	37°	240
	Dimension 1/4"			
119998	1/4" NPT(m) – 1/2 JIC #5	CS	37°	345
116704	1/4" NPT(m) – 9/16 JIC #6	CS	37°	345
116703	1/4" NPT(m) – 3/4" JIC #8	CS	37°	345
116702	1/4" NPT(m) – 7/8" JIC #10	CS	37°	345
116712	1/4" NPT(m) – 1 1/16 JIC #12	SST	37°	345
107052	1/2 NPT(m) – 1 1/16 UN-2A	CS	37°	
	Dimension 3/8"			
114337	3/8" NPT(m) – 9/16" JIC #8	CS	37°	345
112100	3/8" NPT(m) – 9/16" JIC #6	SST	37°	345
117608	3/8" NPT(m) – 3/4" JIC #8	CS	37°	
C20769	3/8" NPT(m) – 3/4" JIC #10	CS	37°	
122406	3/8" NPT(m) – 1/2" JIC #5	CS	37°	345
117832	3/8" NPT(m) – 9/16 JIC #6	CS	37°	345
117833	3/8" NPT(m) – 3/4" JIC #8	CS	37°	310
116765	3/8" NPT(m) – 7/8" JIC #10	CS	37°	345
116766	3/8" NPT(m) – 1-1/16" JIC #12	CS	37°	310
	Dimension 1/2"			
C20700	1/2" NPT(m) – 3/4" JIC #8	CS	37°	
C20703	1/2" NPT(m) – 7/8" JIC #10	CS	37°	
C20642	1/2" NPT(m) – 1-1/16" JIC #12	CS	37°	
	Dimension 3/4"			
C20708	3/4" NPT(m) – 1-1/16" JIC #12	CS	37°	240
C20709	3/4" NPT(m) – 1-5/16" JIC #16	CS	37°	240
	Dimension 1"			
C20586	1" NPT(m) – 1-5/16" JIC #16	CS	37°	240

Elbow 45°

male – male
NPT – JIC 37°



JIC 37°

Part No.	Dimension	Mat		bar
C20654	3/8" NPT(m) – 9/16" -14 JIC #6	CS	37°	345
C20972	1/2" NPT(m) – 3/4" -16 JIC #8	CS	37°	345
C20655	1/2" NPT(m) – 7/8" -14 JIC #10	CS	37°	
C20665	3/4" NPT(m) – 7/8" -14 JIC #10	CS	37°	345
C20666	3/4" NPT(m) – 1-1/16" -12 JIC #12	CS	37°	155
C20651	3/4" NPT(m) – 1-5/16-12 JIC #16	CS	37°	
C20635	1" NPT(m) – 1-1/16" JIC #12	CS	37°	240
C20650	1" NPT(m) – 1-5/16" JIC #16	CS	37°	

Elbow 90°

NPT – JIC 37°



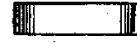
JIC 37°



JIC 37°

Part No.	Dimension	Mat		bar
C20676	1/4" NPT(m) – 9/11" –18	CS	37°	345
C20670	3/8" NPT(m) – 9/16" JIC #6	CS	37°	345
C20677	3/8" NPT(m) – 3/4" JIC #8	CS	37°	345
C20678	1/2" NPT(m) – 3/4" JIC #8	CS	37°	345
C20679	1/2" NPT(m) – 7/8" JIC #10	CS	37°	276
C38006	1/2" NPT(m) – 1-1/16" JIC #12	CS	37°	240
C20687	3/4" NPT(m) – 7/8" JIC #10	CS	37°	345
C20694	1" NPT(m) – 1-1/16" JIC # 12	CS	37°	276
C20690	3/4" NPT(m) – 1-5/16" JIC # 16	CS	37°	240
C20686	1" NPT(m) – 1-5/16" JIC # 16	CS	37°	241

Pipe nipple



Part No.	Dimension	mm		bar
151249	1/8" NPT(m)	63.5	CS	
100628	1/4" NPT(m)	54	CS	150
100124	1/4" NPT(m)	63.5	CS	10.5
100200	1/4" NPT(m)	152	CS	10.5
100992	3/8" NPT(m)	63.5	CS	10.5
100213	3/8" NPT(m)	76	CS	10.5
100195	3/8" NPT(m)	102	CS	21
100122	1/2" NPT(m)	28.5	CS	10.5
101353	1/2" NPT(m)	102	CS	90
101407	3/4" NPT(m)	76	CS	10.5
C19614	3/4" NPT(m)	102	CS	
513507	3/4" NPT(m)	178	SST	10.5
100485	1" NPT(m)	50.8	CS	10.5
114508	1" NPT(m)	178	CS	45

Plug



Part No.	Dimension		Mat
116134	1/16" NPT(m) – hexagon socket	5/32"	SST
104765	1/8" NPT(m) – hexagon socket	3/16"	CS
110208	1/8" NPT(m) – hexagon socket	3/16"	SST
101970	1/4" NPT(m) – Hexagon socket	17/64"	SST
101754	3/8" NPT(m) – Hexagon socket	5/16"	CS
101748	3/8" NPT(m) – Hexagon socket	5/16"	SST
100361	1/2" NPT(m) – Hexagon socket	3/8"	CS
103778	1/2" NPT(m) – Hexagon socket	3/8"	SST
102726	3/4" NPT(m) – Hexagon socket	9/16"	CS
113989	3/4" BSP(m) – Hexagon socket	12 mm	CS
112183	1" NPT(m) – Hexagon socket	3/8"	CS
113991	1" BSP(m) – Hexagon socket	17 mm	CS
103147	1/16" NPT(m) – hexagon socket	5/32"	CS

Plug



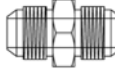
Part No.	Dimension		Mat
100403	1/8" NPT(m) – External square	9/32"	CS
107570	1/8" NPT(m) – External square	9/32"	SST
100509	1/4" NPT(m) – External square	3/8"	CS
111697	1/4" NPT(m) – External square	3/8"	SST
100040	3/8" NPT(m) – External square	7/16"	CS
100737	1/2" NPT(m) – External square	9/16"	CS
104663	3/4" NPT(m) – External square	3/8"	CS
100345	1" NPT(m) – External square	13/16"	GT
113561	1" NPT(m) – External square	3/8"	SST
102042	2" NPT(m) – External square	1 5/16"	GT
103219	1/8" NPT(m) – Flat screwdriver		MS

GT = Malleable cabs iron only for low pressure

Chapter 22 b

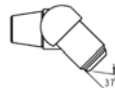
High & Low pressure fittings

Reducing nipple 37° conical nipple  JIC 37°			
Part No.	Dimension (Fxm)	Mat	bar
117502	3/4"-16(f) #8 - 1/2"-20(m) #5	CS	345
117677	7/8"-14(f) #10 - 9/16"-18(m) #6	CS	345
120264	7/8-14 - 3/4 -16	CS	
120265	7/8-14 - 1 1/16-12	CS	
120266	1 1/16-12 - 7/8 -14	CS	
120267	1 1/16 -12 - 1 5/16 -12	CS	
120268	1 5/16 -12 - 1 5/8 -12	CS	

Union Fitting 37° JIC- JIC 			
Part No.	Dimension (MxM)		Mat bar
GC0189	9/16"-18- 9/16"-18 JIC #6		CS
120241	3/4 -16	3/4 -16	CS
120242	7/8	3/4 -16	CS
120243	7/8	7/8-14	CS
120244	1 1/16	3/4 -16	CS
120246	1 1/16	7/8-14	CS
120247	1 1/16	1 1/16	CS
120248	1 5/16-12	1 1/16	CS
120249	1 5/16-12	1 5/16-12	CS

High & Low pressure fittings

Reducing nipple 37° conical nipple  JIC 37°			
Part No.	Dimension (Fxm)	Mat	bar
120269	1" 1/16-12 (f) - 3/4"-16 (m)	CS	
120277	1" 5/8 -12 (f) - 1" 5/8-12 (m)	CS	

Adapter 37° Flare 		
Part No.	Dimension (MxM) ext pipe /37°flare	Material
120253	1/2"-14 - 3/4"-16	CS
120254	1/2"-14 - 1" 1/16-12	CS
120255	1/2"-14 - 7/8"-14	CS
120256	3/4"-14 - 3/4"-16	CS
120257	3/4"-14 - 7/8"-14	CS
120258	3/4"-14 - 1" 1/16 -12	CS
120259	3/4"-14 - 1" 5/16 -12	CS
120260	1"-1 1/2 - 1" 1/16 -12	CS
120261	1"-1 1/2 - 1" 5/16 -12	CS
120262	1"-1 1/2 - 1" 5/8 -12	CS

Elbow 90° 		
Part No.	Dimension (FxF)	Material
107053	1/2"-14 NPT - 3/8"-18 NPT	CS

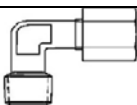
High & Low pressure fittings

Screw connection – Celcon – Acetal



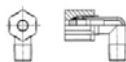
Part No.	Dimensions
111811	3/8" NPT(m) for 1/4" hose
111864	3/8" NPT(m) for 1/2" hose

Screw connection – 90° Celcon – Acetal



Part No.	Dimensions
111808	3/8" NPT(m) for 5/8" hose

Screw connection – 90° nylon



Part No.	Dimensions
113521	1/4" NPT(m) – 3/8" O.D. 9.525 mm hose

Tube connection, polypropylene



Part No.	Dimensions
116316	1/2" NPT(m) – 1/2" O.D. 12.7 hose

Tube connection, 90° polypropylene

Part No.	Dimensions
116314	3/8" NPT(m) – 1/4" O.D. 6.3 mm hose
117424	1/2" NPT(f) – 1/2" O.D. 12.7 mm hose

Tube connection, tee polypropylene



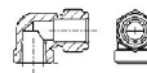
Part No.	Dimensions
117425	3 x 1/2" O.D. – 12.7 mm hose

Screw connection, stainless steel



Part No.	Dimensions
513308	1/4" NPT(m) – 3/8" O.D. hose
513697	G 1/4"(m) conical ISO – 3/8" O.D. hose
115449	3/8" NPT(m) – 5/8" O.D. hose, union nut steel
117344	1/2" NPT(m) – 5/8" O.D. hose

Screw connection, Stainless steel



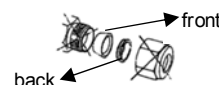
Part No.	Dimensions
513816	G 1/8" ISO 228(f) – 1/4" hose
510223	1/4" NPT(m) – 3/8" hose
15E272	1/2" NPT(m) – 5/8" hose
15E273	3/8" NPT(f) – 5/8" hose

Screw connection, stainless steel 90°



Part No.	Dimensions
114119	3/8" O.D. – 3/8" O.D. hose

Ferrule, stainless steel



Part No.	Dimensions
GC0164	1/4" SST, front ferrule
GC0165	1/4" SST, back ferrule
513988	3/8" SST, front ferrule
513980	3/8" SST, back ferrule

Coupling Nut



Part No.	Dimensions
513972	Coupling nut 3/8" SST, 3/8" O.D. hose

Screw connection, galvanised steel



Part No.	Dimensions
198465	1" NPT(m) x Ø 30 hose

400 bar

Chapter 22 b

High & Low pressure fittings

Ball valves

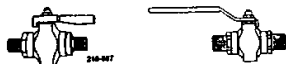
Manual 307068



Part No.	Dimensions	Mat	bar
208390	1/4" NPT(m) – 1/4" NPT(m)	CS-VI	35
208393	3/8" NPT(m) – 3/8" NPT(m)	CS-VI	35
218109	3/8" NPT(m) – 3/8" NPS(m)	CS-VI	35
208391	3/8" NPT(m) – 3/8" NPT(f)	CS-VI	35
208392	3/8" NPT(f) – 1/4" NPT(m)	CS-VI	35
208475	3/8" NPT(f) – 1/4" NPS(m)	CS-VI	35
208476	3/8" NPT(f) – 3/8" NPS(m)	CS-VI	35
208630	3/8" NPT(f) – 1/2" NPT(m)	CS-VI	35
237528	1/4" NPT(m) – 1/4" NPT(m)	SST-TE	35
237529	1/4" NPT(m) – 3/8" NPS(m)	SST-TE	35
237530	3/8" NPT(m) – 1/4" NPT(m)	SST-TE	35
237531	3/8" NPT(m) – 3/8" NPT(m)	SST-TE	35
237533	3/8" NPS(m) – 3/8" NPT(m)	SST-TE	35
237532	3/8" NPT(f) – 3/8" NPT(f)	SST-TE	35
237534	3/8" NPT(f) – 3/8" NPT(m)	SST-TE	35
237535	3/8" NPT(f) – 3/8" NPS(m)	SST-TE	35

Ball valves

Manual 306861



Part No.	Dimensions	Mat	bar
210657	1/4" NPT(m) – 1/4" NPT(m)	CS-VI	350
214037	1/4" NPT(m) – 1/4" NPT(m)	CS-TE	350
237303	1/4" NPT(m) – 1/4" NPT(m)	CS-PEEK	510
239018	1/4" NPT(m) – 1/4" NPT(m)	SST-TEI	350
210659	3/8" NPT(m) – 1/4" NPT(m)	CS-VI	350
235992	3/8" NPT(m) – 1/4" NPT(m)	SST-TE	350
245860	3/8" NPT(mbe)	CS-PEEK	510
245861	3/8" NPT(mbe)	CS-PEEK	510
248875	1/4" NPT(mbe)	CS-PEEK	510
248271	1/4" NPT(mbe)	SST-TE	350
240411	1/4" NPT(mbe)	SST-PEEK	350
248876	3/8" NPT(mbe)	CS-PEEK	510
240410	3/8" NPT(mbe)	SST-PEEK	350
237469	3/8" NPT(f) – 1/4" NPT(m)	CS-Carb	350
238694	3/8" NPT(mbe)	SST-TE	350
224441	3/8" NPT(mbe) one end	CS-VI	350
248270	1/4" NPT(mbe)	SST-TE	350
218901	1/4" NPSM(m) – 3/4" – 16 unf-2a	CS-TE	350
239280	3/8" NPT(m) – 1/4" NPT(m)	CS-Carb	350
223959	3/8" NPT(m) – 1/4" NPT(m)	CS-TE	350
210658	3/8" NPT(m) – 3/8" NPT(m)	CS-VI	350
238612	3/8" NPT(m) – 3/8" NPT(m)	CS-VI	350
238635	1/4" NPT(m) – 1/4" NPT(m)	CS-VI	350
223960	3/8" NPT(m) – 3/8" NPT(m)	CS-TE	350
237304	3/8" NPT(m) – 3/8" NPT(m)	CS-PEEK	510
238967	3/8" NPT(m) – 3/8" NPT(m)	SST-PEEK	350
223522	1/4" NPT(m) On one side	CS-TE	350

Distribution manifold



Part No.	Dimensions	Mat	bar
158990	2 x 1/2" NPT(f), 4 x 3/8" NPT(f)	CS	345

Drain valve



Part No.	Dimensions	Mat	bar
224774	Inlet outlet 3/8" NPT(f)	CS-CA-VI	345

Ball valves

Manual 306861



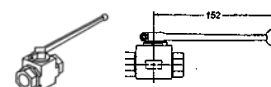
Part No.	Dimensions	Mat	bar
214711	1/4" NPT(m) three-way valve	CS-VI	350
113834	1/4" NPT(m) three-way valve	SST-TE	350
114189	3/8" NPT(m) three-way valve	SST-TE	105
117366	1 1/4" NPT(f) three-way valve	MS-TE	28

Ball valves



Part No.	Dimensions	Mat	bar
512148	1/4" NPT(f) – 1/4" NPT(f)	CS-TE	138
512149	3/8" NPT(f) – 3/8" NPT(f)	CS-TE	138
512150	1/2" NPT(f) – 1/2" NPT(f)	CS-TE	138
512151	3/4" NPT(f) – 3/4" NPT(f)	CS-TE	138
512152	1" NPT(f) – 1" NPT(f)	CS-TE	138
512212	1 1/2" NPT(f) – 1 1/2" NPT(f)	CS-TE	138
512213	2" NPT(f) – 2" NPT(f)	CS-TE	138
512482	1/4" NPT(f) – 1/4" NPT(f)	SST-TE	138
512483	3/8" NPT(f) – 3/8" NPT(f)	SST-TE	138
512484	1/2" NPT(f) – 1/2" NPT(f)	SST-TE	138
512485	3/4" NPT(f) – 3/4" NPT(f)	SST-TE	138
512486	1" NPT(f) – 1" NPT(f)	SST-TE	138

Ball valves



Part No.	Dimensions	Mat	bar
C07048	1/2" NPT(f) – 1/2" NPT(f)	CS-VI-AC	345
C07063	3/4" NPT(f) – 3/4" NPT(f)	CS-VI-AC	345

Ball valves



Part No.	Dimensions	Mat	bar
114363	3/8" NPT(f) – 3/8" NPT(f)	SST-TE	55
75601006002	G 3/8" (f) x G 3/8" (m) DN10	CS-VI	500
114354	1/2" NPT(f) – 1/2" NPT(f)	SST-TE	345
102646	1/2" NPT(f) – 1/2" NPT(f)	CS-NY	210
117325	G 3/4" (f) x G 3/4" (m) DN16	CS-VI	25
102644	3/4" NPT(f) – 3/4" NPT(f)	CS-NY	210
108537	3/4" NPT(f) – 3/4" NPT(f)	CS-TE	138
521477	1" NPT(f) – 1" NPT(f)	CS-VI	345
118854	1 1/4" NPT(f) – 1 1/4" NPT(f)	CS-VI	345

Manifold 90°



Part No.	Dimensions	Mat	bar
160878	1/4" NPT(f) – 1/4" NPS(f) – 1/8" (f) front	CS	350
177088	3/8" NPT(f) – 3/8" NPS(f) – 1/8" (f) side	CS	275
188600	3/4" NPT(m) – 3/4" NPS(f) – 1/4" (f) side	CS	280
189986	3/4" NPT(m) – 3/4" NPS(f) – 1/8" (f) side	CS	155
166998	3/4" NPT(f) – 3/4" NPS(f) – 1/4" (f) front	CS	280
113927	3/4" NPT(f) – 3/4" NPS(f) – 1/4" (f) front	SST	280
166444	1" NPT(m) 90°, 2 x 3/8" NPT(f) side	Brass	140

"Y" manifold



O.D. Ø 47.6 mm

Part No.	Dimensions	Mat	bar
194205	3 x 3/8" NPT(f)	CS	228

Ball valves



With bleed-type

Part No.	Dimensions	Used by	bar
113329	1/4" (f)	Facs-Flo	17
113331	1/2" (f)	President, Glutton	17
113332	3/4" (f)	Senator, Bulldog, King	17
113163	1" (f)	Premier	17
113333	3/8" (f x m)	Monark, President	17
113269	1/2" (f x m)	Bulldog, President	17
113218	3/4" (f x m)	Senator, Bulldog, King	17

Pressure Relief Valve



AIR

Part No.	Dimensions	Mat
214691	1/8" (m)	Alu
115288	1/8" (m)	Brass
110065	1/4" (m)	Brass
108124	1/4" (m)	Brass
098074	1/4" (m)	Brass
116643	1/4" (m)	Brass
098075	1/4" (m)	Brass
103347	1/4" (m)	Brass
113498	1/4" (m)	Brass
098078	1/4" (m)	Brass
113769	3/8" (m)	Brass
113916	3/8" (m)	Brass
098080	1/4" (m)	Brass

Hose barbed fitting



Part No.	Dimensions	Mat
116691	1/8" NPT(m) x 4.57 mm I.D. hose/hose	Brass
114287	1/8" NPT(m) x 1/4" connector I.D. hose/hose	Brass
M70809	1/4" NPT(m) x 1/4" connector	Brass
183575	3/8" NPT(f) x 1/2" connector	CS
102550	3/4" NPT(m) x 3/4" connector	NY
113607	1" NPT(m) x 1" connector	SST
198119	1" NPT(f) x 1" connector, 90°	CS
115508	1" NPSM(f) short x 1" connector, 90°	CS

Manifold, air



Part No.	Inlet	Mat
177117	Inlet 1/2"	6x 1/2-14 NPT (f)
191550	1/2" NPT(m)	1/2" NPT(m) – to the side 1/4" NPT(f)
180916	3/4" NPT(f)	3/4" NPT(m) – to the side 1/4" NPS(f)
15E145	3/4" NPT(f)	3/4" NPT(f) to the side 3 x 3/8" NPT(f)

Air manifold 90°



Part No	Inlet-Outlet	Additional outlet	Mat
161262	1/2" NPT(m) 1/2" NPSM(f)	1/4" NPT	CS
207438	1/2" NPT(m) 1/2" NPS(f)	1 x 1/8" NPT(f)	CS
162376	1/2" NPT(m x f)	3 X 1/8" NPT(f)	CS
206205	3/4" NPSM(f) x 1/2" NPT(m)	1/4" NPT & 1/8" NPT	CS
207675	3/4" NPT(f) x 3/4" NPT(m)	1/4" NPT & 1/8" NPT	CS
189986	3/4" NPT(m) x 3/4" NPS(f)	1/8" NPT(f)	CS

Ball valves short lever



With bleed-type

Part No.	Dimensions	Pump	bar
110223	1/4" (f)	Facs-Flo	17
110224	3/8" (f)	Monark, Fire-Ball	17
110225	1/2" (f)	President, Glutton	17
110226	3/4" (f)	Senator, Bulldog, King	17
107142	1/2" (m x f)	Bulldog	17

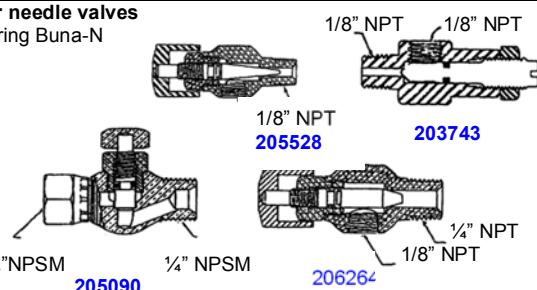
Ball valve – Mini



Part No	Dimension	bar
15B565	1/4" NPT (m x f)	41

Air needle valves

O ring Buna-N



Part No.	Dimensions	
205528	1/8" (f) x 1/8" (m)	
202233	1/8" (f) x 1/4" (m)	
205090	1/4" (f) x 1/4" (m)	
206264	1/4" (M) x 1/8" (f)	
203743	1/8" (f) x 1/8" (m)	With lock nut

Air Line Quick-disconnect



Part No.	Dimensions
208536	1/4" NPT(f)
110198	3/8" NPT(f)
110199	1/2" NPT(f)
110200	3/4" NPT(f)

Male coupling



Part No.	Dimensions
169969	1/8" NPT(m)
169970	1/4" NPT(m)
169967	1/4" NPT(f)
169971	3/8" NPT(m)
110196	1/2" NPT(m)
110197	3/4" NPT(m)

Coupler air line



Part No.	Dimensions
113429	Coupling half 3/4" NPT(m)
113430	Coupling half 3/4" NPT(f)

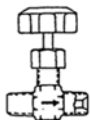
Chapter 22 - b

High & Low pressure fittings

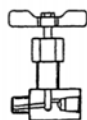
Fluid – needle valves 			
Part No.	Dimensions	Mat.	bar
108233	¼" (m) x ¼" (m) NPT	CS – PTFE	345
114451	¼" (m) x ¼" (m) NPT	CS – PTFE	510
202869	½" (f) x ½" (f) NPT	CS – leather	345
103067	¼" (m) x ¼" (f) NPT	Brass – PTFE	345

Ball Check Valves 				
Part No.	Dimensions	Opening press. bar	Mat	bar
114317-	½" NPT(m) – ½" NPT(m)	0.21	SST-TE	55
501951-°	½" NPT(m) – ½" NPT(m)	0.27 – 0.35	SST-TE	210
106495-°	¼" NPT(m) – ¼" NPT(m)	0.07	Brass – VI	17.5
114378	¼" NPT(m) – ¼" NPT(m)	0.07 – 0.17	Brass	140
102717+°	¼" NPT(m) – ¼" NPT(m)		SST – VI	410
552137+°	¼" NPT(m) – ¼" NPT(m)	0.27 – 0.35	SST – KAL*	210
501867-°	¼" NPT(m) – ¼" NPT(m)	0.27 – 0.35	SST-TE	210
114243-°	¾" NPT(f) – ¾" NPT(f)	0.03	CS	14
206831+	¾" NPT(m) – ¾" NPS(f)	-	CS	210
206962+	¾" NPT(m) – ¾" NPT(m)	-	CS	210
949709+°	¾" NPT(m) – ¾" NPT(m)	3.5	CS	210
949710+°	¾" NPT(m) – ¾" NPT(m)	7.0	CS	210
501684-	¾" NPT(m) – ¾" NPT(m)	0.27 – 0.35	SST-TE	210
501603-	½" NPT(m) – ½" NPT(m)	0.27 – 0.35	SST-TE	210
115032+°	½" NPT(f) – ½" NPT(f)	-	CS	350
235132+	¾" NPT(m) – ¾" NPT(f)		CS	350
6773150-°	¾" BSP(f) – ¾" BSP(f)		CS-Nitrile	500
220179+°	¾" NPT(f) – ¾" NPT(f)		CS	280
C59546	¾" NPT(f) – ¾" NPT(f)	0.2 – 0.55	SST	345
203916+°	¾" NPT(f) – 1" NPT(f) 90°		CS	500
521850-°	1 ¼" NPT(f) – 1 ¼" NPT(f)		CS	350
246929+	1 ¼" NPT(m) – 1 ¼" NPT(f)		CS	345

+ = Ball check valve - = plate check valve
 * = Kalrez ° = spring loaded



108233



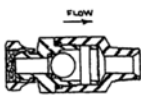
114451



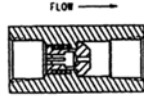
202869



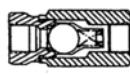
103067



206831



114243



220179



102717



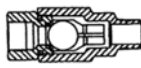
106243


 114317
 501951
 501867
 501684

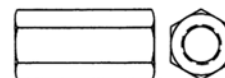
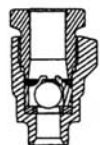

6773150



203916



235132


 949709
 949710

 115032
 C07070
 521850


246929

Swivels

Swivel					
Part No.	Dimensions	I.D. mm	Mat.	O. P. bar	manual
204083	1/4" NPT(m) – 1/8" NPT(f)	2.76	CS leather	560	306708
204084	1/4" NPT(m) – 1/4" NPT(f)	2.76	CS leather	560	306708
239663	1/4" NPT(m) – 1/4" NPS(f) (Rep kit 207839)	2.76	CS leather	250	306861
223341	1/4" NPT(m) – 1/4" NPS(f) (Rep kit 223342)	2.76	CS-PTFE	250	306861
189018†	1/4" NPS(m) – 1/4" NPS(f) (Mark V)	3.9	SST-PTFE	517	
239394*	1/4" NPS(m) – 1/4" NPS(f)	3.5	SST-PTFE	400	
236987	1/4" NPS(m) – 1/4" NPS(f)	4.8	SST-PTFE	510	306861
214925	3/8" NPT(f) – 1/4" NPS(f)	6.35	CS leather	350	306861
214926	3/8" NPT(f) – 1/2" NPS(f)	6.35	CS leather	350	306861
C57733	3/8" NPT(f) – 3/8" NPS(f)	13.5	CS-AFLAS-PTFE	345	
C33242	1/2" NPT(f) – 3/8" NPS(f)	13.5	CS-AFLAS-PTFE	345	
C50239	1/2" NPT(f) – 1/2" NPT(f)	13.5	CS-Viton	345	
207947	1/2" NPT(f) – 1/2" NPT(m) (Mark x)	7.93	CS-Polyurethane	420	307005
196337	1/2" NPT(f) – 1/2" NPT(m)	7.93	CS-PTFE	420	307005
207946	1/2" NPT(f) – 3/8" NPT(f)	7.93	CS-Polyurethane	420	307005
203844	3/4" NPS(m) – 3/4" NPT(f)	12.7	CS-Buna-N	70	
C20838	3/4" NPT(f) – 3/4" NPT(m)	16.0	CS-Viton	345	

† = Torque 4 IN LB non-loaded, 50.8 mm long

* = Contains an edge filter

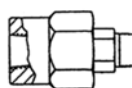
‡ = Torque 1 IN LB non-loaded, 46 mm long



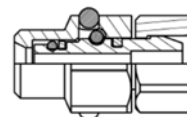
239663



239394



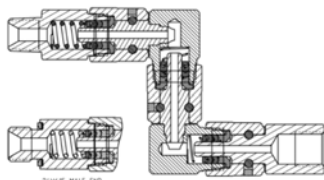
106243



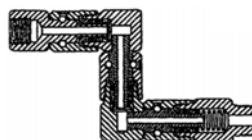
189018

Z-Swivels

Z Swivel					
Part No.	Dimensions	I.D. mm	Mat.	O.P. bar	manual
202579	1/8" NPT(m) – 1/4" NPT(f) Z	2.76	CS leather	560	
202577	1/4" NPT(m) – 1/4" NPT(f) Z (rep kit 207839)	2.76	CS leather	450	306708
223340	1/4" NPT(m) – 1/4" NPT(f) Z (rep kit 223342)	2.76	CS-PTFE	480	
207948	1/2" NPT(m) – 1/2" NPT(f) Z	6.25	CS Polyurethane	420	307005
24H614	1/4"bspt(m)- 1/4"bspt(f) Z	2.76	CS-Leather	450	306708
24H615	1/4"bspp(m)- 1/4"bspp(f) Z	2.76	CS-Leather	450	306708



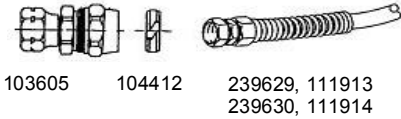
24H614
24H615



202577

Chapter 22 - b

HOSE FITTINGS – NIPPLES



Union swivel



104641	Union swivel max. 70 bar I.D. ¼" NPT(I) O.D. thread ¾"-20 UNEF-2A Ø19 mm
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Press fittings



Part No.	Dimensions	Mat.	Hose
6712805	¼" NPS(f)	CS	6877554
6712800	¼" NPS(f)	CS	6877550
6712668	¼" NPS(f)	CS	6877551
6712669	¼" NPS(m)	CS	6877551
6712670	¼" NPS(f)	CS	6877558
6712672	¾" NPS(f)	CS	6877552
6712673	¾" NPS(m)	CS	6877552
6712674	¾" NPS(f)	CS	6877556
6712675	¾" NPS(m)	CS	6877556
6712778	½" NPS(f)	CS	6877557
6712801	½" NPS(f)	CS	6877553

Plug-in nipple
90°

Part No.	Dimensions	hose
109193	10 – 32 UNF – 5/32" OD 3.968 mm	598095
598140	¼" NPT(m) – 5/32" OD 3.968	598095
111162	¼" NPT(m) – ¼" OD 6.35 mm	054130
111225	¼" NPT(m) – ¾" OD 9.525 mm	
115949*	¼" NPT(m) – 5/32" OD 3.968 mm	
C19391	¼" NPT(m) – ¼" OD	054118
115948*	¼" NPT(m) – 5/16" OD 7.94 mm	
115841	¼" NPT(m) – ¾" OD 9.525 mm	
C38211	½" NPT(m) – ¾" OD	

Plug-in tee



Part No.	Dimensions	hose
112739	3 X ¼" O.D.	054172

WVB hose fitting



Part No.	Dimensions	Mat.	Hose	Ferrule
239629*	¾" NPS(f)	SST(304)	061345	
239630*	¾" NPS(m)	SST(304)	061345	
205437	¼" NPT(m)	Brass	061132	
205447	¼" NPS(f)	Brass	061132	
205448	¾" NPS(f)	Brass	061132	
111913*	¼" NPS(f)	SST(304)	061132	
111914*	¾" NPS(f)	SCS(304)	061132	
205439	¾" NPS(f)	Brass	061134	
104415	¼" NPS(f)	Brass	061204	104412
104084	¾" NPS(f)	Brass	061204	104412
104415	¼" NPS(f)	Brass	061205	104412
104084	¾" NPS(f)	Brass	061205	104412
103605	¼" NPS(f)		061393	
104414	¾" NPS(f)	Brass	061195	104413

= spring guard

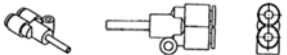
Plug-in nipple
Csraight

Part No.	Dimensions	hose/hose
114332	10-32 UNF – ¼" OD	
114263	¼" NPT(m) – 5/32" OD 3.968 mm	598095
115671	¼" NPT(m) – ¼" OD 6.35 mm	054130
108982	¼" NPT(m) – ¾" OD 9.525 mm	
C19407	¼" NPT(m) – ¼" OD 6.35 mm	054118
C19413	¼" NPT(m) – ¾" OD 9.525 mm	C12508
114320	¼" NPT(f) – ¼" OD	
114112	¼" NPT(f) – ¼" OD 6.35 mm	
115950	¼" NPT(m) – 5/16" OD 7.94 mm	054776
112790	¼" NPT(f) – ¾" OD 9.525 mm	054106
114129	¾" NPT(m) – ½" OD 12.7 mm	061134
114111	½" NPT(m) – ½" OD 12.7 mm	061134



HOSE FITTINGS – NIPPLES

Plug-in tee 		
Part No.	Dimensions	hose
C20359	3/8" NPT(M) – 2 x 3/8" O.D.	9.525 mm

Y plug-in adapter 		
Part No.	Dimensions	
198175	Y plug-in adapter 4 mm	
114158	Y plug-in adapter 6.25 mm	

Connector 		
Part No.	Dimensions	
115743	Connector 3/8" to 1/4" nylon hose	

Plug-in bung		
Part No.	Dimensions	
113279	Plug-in bung for 5/32 nylon hose	

Plug-in nipple – SWIVEL 90° 		
Part No.	Dimensions	hose/hose
114151	1/8" NPT(m) – 5/32" OD	
114469	1/4" NPT(m) – 5/32" OD	
112698	1/8" NPT(m) – 1/4" OD	
114109	1/4" NPT(m) – 1/4" OD	
111225	1/8" NPT(m) – 3/8" OD	
C19395	1/4" NPT(m) – 3/8" OD	
114316	3/8" NPT(m) – 3/8" OD	
114114	3/8" NPT(m) – 1/2" OD	061134
114110	1/2" NPT(m) – 1/2" OD	054760
114128	1/4" NPT(m) – 1/2" OD	
114153	3/8" NPT(m) – 1/4" OD	

Plug-in-Tee 		
Part No.	Dimensions	
C38157	1/4" NPT(m) – 2 x 3/8"OD	9.525 mm
114130	1/4" NPT(m) – 2 x 1/2"OD	12.7 mm



TIPS FOR AIRLESS AND AIR-ASSISTED AIRLESS

GRACO offers a large range of precision-manufactured tips for the most varied application.

Standard tips, FF Fine Finish tips and RAC Reserve A Clean self-cleaning tips

All have a tungsten carbide core for a long service life. The orifice ground with a diamond disk provides a precise, shadowfree spraying pattern with soft edge zone.

The DIN abbreviation gives the spraying angle with the first three digits and the equivalent tip hole diameter in 1/100mm with the last three digits. The fourth digit gives the approximate spraying angle in ... of a degree and the last two digits the approximate equivalent tip hole diameter in 1/1000", e.g., 543 or XHD-543 has an approximate spraying angle of 50° and an approximate tip hole diameter of 0,043" (1,09 mm).

Fluid output (Q) at other pressure (P) can be calculated by this formula:

Q = Fluid output
P = pressure (bar)
X = Fluid output (liter/min) from the above table for the selected orifice size
Constant = (0,041)

Square root of the working pressure + 14,5 to convert from PSI to Bar

$$Q = (0.041) * (X) * \text{Square root } (P * 14,5)$$

Exampel: What is the Fluid flow of the Tip 262-213 by a pressure of 200 bar

RAC V Tip 262-213 = (0,7 l/min) according to the tip chart
Pressure = 200 Bar
Constant = (0,041)

$$Q = (0,041) * 0,7 \text{ l/min} * \text{Square Root } (200 \text{ bar} * 14,5)$$

$$Q = \underline{1,546 \text{ l/min}}$$

Reverse-A-Clean®

Tip quick clean turning function. To reduce downtime caused by frequent plugging.

A quick-change tip is inserted in the **RAC-V** / **RAC-X** / **RAC-XHD** which also functions as a tool to install the metal or plastic seat. The **RAC** has an aerodynamic design, which ensures a uniform spraying pattern and prevents paint deposits at the guard. All metal parts consist of stainless steel and have anti-corrosion protection. If the tip is blocked it can be turned through 180° with an arrow shaped lever.

A short pull on the gun is immediately ready for spraying again.



Reduce Fitting to put a RAC switch (7/8 (female) on a competition gun

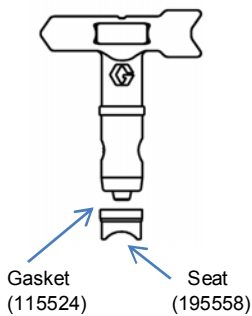
Adapter 6778610	7/8 (male) to M18x1 (female) to put a Graco RAC to an Atlas Copco/ Iwata / Kopperschmidt, GUN
Adapter 181085	7/8 (male) to 11/16 (female) to put a Graco RAC to an Aro / Wagner / Binks 43 / Rexon / Alemite, GUN
Adapter 198316	7/8 (male) to 1/8 NPT (female)
Adapter 224398	7/8 (male) to 1/8 NPT (female) with gasket
Adapter 218932	7/8 (male) to 1/4 NPT (male) 45°
Adapter 224399	7/8 (male) to 7/8 NPT (male) 45°



Graco Product Guide

Chapter 23

RAC V: Reverse-A-Clean® (max. operating pressure is 280 bar)



note: Tip 262-xxx / LL5-xxx / TMX-xxx / 242-xxx fit in RAC V tip holder only !!!
Tip 262-xxx / LL5-xxx / TMX-xxx / 242-xxx don't fit in RAC X or XHD !!!

262-xxx RAC V (black)
LL5-xxx LineLazer (yellow)
TMX-xxx Texspray (black)
286-xxx RAC V (old ! new is 262-xxx)
242-xxx RAC V (old ! only AA-Plus G111)

Kit Seat & Gasket 243281

incl. 5x Seat (195558)
incl. 5x Gasket (115524)



111025 solvent Gasket
224082 (x10)

Colour of the guard RAC V: **Orange**

Part no. **243161** without tip, thread 7/8"-14 UNC (f)
Part no. **243470** without tip, thread M18 x1 (f)
Part no. **243263** without tip, thread 11/16" (f)
Part no. **243789** without tip, thread M18 x 1,5(f)



Tip "262-xxx" Reverse-A-Clean®

RAC V - Tip`s 262 xxx												
orifice		max.	Spray Pattern width @ distance of 300 mm									
inc.	mm	l/min	5 cm	10 cm	15 cm	20 cm	25 cm	30 cm	35 cm	40 cm	45 cm	
0.007	0.1778	0.2		207	307							
0.009	0.2286	0.3	109	209	309	409	509	609				
0.011	0.2794	0.5	111	211	311	411	511	611				
0.013	0.3302	0.7	113	213	313	413	513	613				
0.015	0.381	0.9	115	215	315	415	515	615		815		
0.017	0.4318	1.2		217	317	417	517	617		817	917	
0.019	0.4826	1.5	119	219	319	419	519	619		819		
0.021	0.5334	1.8	121	221	321	421	521	621	721	821		
0.023	0.5842	2.2		223	323	423	523	623	723			
0.025	0.635	2.5		225	325	425	525	625	725			
0.027	0.6858	3			327	427	527	627		827		
0.029	0.7366	3.4				429	529	629	729			
0.031	0.7874	3.9			331	431	531	631		831		
0.033	0.8382	4.4				433	533	633		833		
0.035	0.889	5		235		435	535	635	735	835	935	
0.039	0.9906	5.6				439						
0.041	1.0414	6.2										
0.043	1.0922	6.8				443	543					
0.045	1.143	7.5						645				
0.047	1.1938	8.2										
0.051	1.2954	10.5				451	551					
0.055	1.397	12.3				455	555	655				
0.063	1.6002	16.3					563					

Tip "LL5-xxx" Reverse-A-Clean®

LL5-xxx tips are ideal to reduce overspray. Sharp line edges. Even paint distribution across the line.

RAC V - Tip`s LL5 xxx							
orifice			Spray Pattern width				
inc.	metric	l/min	10cm	15 cm	20 cm	25 cm	30 cm
0.013	0.33	0.69	213				
0.015	0.38	0.91	215	315			
0.017	0.43	1.17	217	317	417		
0.019	0.48	1.47	219	319	419		
0.021	0.53	1.79		321	421		621
0.023	0.58	2.15		323	423		623
0.025	0.64	2.54		325	425		625
0.027	0.69	2.96		327	427		627
0.029	0.74	3.42		329	429		629
0.031	0.79	3.9		331	431		631
0.033	0.84	4.42		333	435		635
0.035	0.89	4.98		335			639
0.037	0.94	5.56					
0.039	0.99	5.86		339	439		
0.043	1.09	6.45		343	443		643
0.055	1.40	8.28		355			

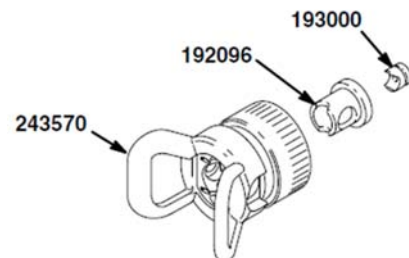
@ distance of 300 mm

Tip "242-xxx" Reverse-A-Clean®

tips only used by : Automatic AA Gun (241088)
 AA Plus Gun (243576 / 243577 / 239001 / 238851)

AA-RAC-Tip 242 xxx							
orifice			Spray Pattern width				
inc.	metric	l/min	10cm	15 cm	20 cm	25 cm	30 cm
0.011	0.28	0.45		311	411	511	
0.013	0.33	0.69	213	313	413	513	613
0.015	0.38	0.91	215	315	415	515	615
0.017	0.43	1.17	217	317	417	517	617
0.019	0.48	1.47	219	319	419	519	619
0.021	0.53	1.79	221	321	421	521	621
0.023	0.58	2.15			423		623
0.025	0.64	2.54				525	625
0.027	0.69	2.96			427		
0.029	0.74	3.42				529	
0.031	0.79	3.9				531	

@ distance of 300 mm



243570 AA-RAC Tip Guard (1-9/16" 12UN-2A)
 193000 Cylinder Seat
 192096 Housing

TIPS FOR AIRLESS AND AIR-ASSISTED AIRLESS

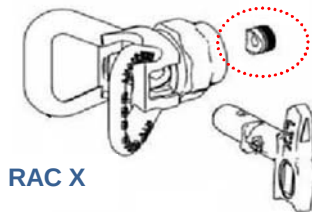
RAC X - Reversible Tip:

note: Tips fit in RAC X tip holder !!!
 Tips don't fit in RAC V or XHD !!!

WA-12xx - Wide RAC,	(blue)	120° spray angle
FFA-xxx - Fine Finish,	(green)	0,008" – 0,014" (0,2mm - 0,36mm)
PAA-xxx - Professional airless	(blue)	0,015" – 0,025" (0,38mm - 0,64mm)
HDA-xxx - Heavy Duty and texture	(brown)	0,027" – 0,071" (0,69mm - 1,8mm)

Colour of the guard RAC X: Blue max. operating pressure is 280 bar !!!

Part no. 246215 without tip, thread 7/8" - 14 UNC (f)
 Part no. 246437 without tip, thread 11/16" (f)
 Part no. 246770 without tip, thread M18 x 1 (f)
 Part no. 288465 without tip, thread 1-1/4" 18UNF-2B for old G15/G40 AA
 Part no. 24C921 without tip, thread 1-5/16" 12UN-2B for new G15/G40 AA



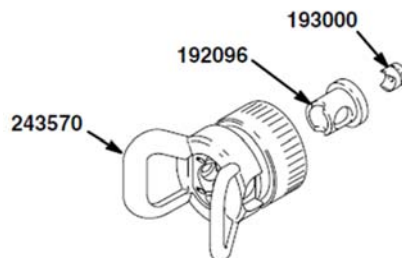
RAC X

RAC X - Seat and Gasket 246453

incl. 5x Seat (15A981)
 incl. 5x Gasket (15A978)

RAC X - Seat and Gasket (Solvent) 248936

incl. 5x Seat (15A981)
 incl. 5x Gasket (15E557)





Tip “FFA-xxx”
 “PAA-xxx”
 “HDA-xxx”
 “WA-xxx”

RAC X Reverse-A-Clean®

RAC-X Tip's: FFA xxx/ PAA xxx/ HDA xxx/WA xxx														
		orifice		max	Spray Pattern width @ distance of 300 mm								WAx-xxx	
		inc.	mm	l/min	5 cm	10 cm	15 cm	20 cm	25 cm	30 cm	35 cm	40 cm		60 cm
FFA-xxx 0,008" - 0,014"		0.008	0.20	0.22	108	208	308							
		0.01	0.25	0.41	110	210	310	410	510					
		0.012	0.30	0.59	112	212	312	412	512	612				
		0.014	0.36	0.74		214	314	414	514	614				
PAA-xxx 0,015" - 0,025"		0.015	0.38	0.91	115	215	315	415	515	615				
		0.017	0.43	1.17		217	317	417	517	617		817		
		0.019	0.48	1.47		219	319	419	519	619		819		
		0.021	0.53	1.79		221	321	421	521	621	721	821		1221
		0.023	0.58	2.15			323	423	523	623	723			1223
		0.025	0.64	2.54		225	325	435	525	625				1225
HDA-xxx 0,027" - 0,071"		0.027	0.69	2.96		227	327	427	527	627		827		1227
		0.029	0.74	3.42			329	429	529	629	729			1229
		0.031	0.79	3.9		231	331	431	531	631		831		1231
		0.033	0.84	4.42				433	533	633		833		1233
		0.035	0.89	4.98		235	335	435	535	635	735	835		1235
		0.037	0.94	5.56					537	637				1237
		0.039	0.99	6.18				439	539	639				1239
		0.041	1.04	6.83				441	541	641				
		0.043	1.09	7.51				443	543	643				
		0.045	1.14	8.98				445	545	645				
		0.051	1.30	10.57				451	551	651				
		0.055	1.40	12.29				455	555	655				
		0.061	1.55	15.12					561	661				
		0.065	1.65	17.17						665				
		0.071	1.80	20.48						671				

TIPS FOR AIRLESS AND AIR-ASSISTED AIRLESS

XHD –xxx - Heavy Duty RAC (grey) max. operating pressure is 500 bar !!!

note: Tips fit in RAC XHD tip holder !!!
 Tips don't fit in RAC V or RAC X !!!

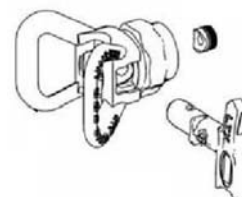
Colour of the guard XHD001 (old was GHD – RAC) : grey

Part no. XHD001 without tip, thread 7/8" – 14 UNC (f)

The old and the new guards and tips are compatible!!

XHD-Tip's										
orifice		max	Spray Pattern width							
inc.	metric	l/min	5 cm	10 cm	15 cm	20 cm	25 cm	30 cm	35 cm	40 cm
0.007	0.18	0.2	107		307					
0.009	0.23	0.33		209	309	409	509	609		
0.011	0.28	0.49	111	211	311	411	511	611	711	
0.013	0.33	0.69	113	213	313	413	513	613	713	813
0.015	0.38	0.91	115	215	315	415	515	615	715	815
0.017	0.43	1.17	117	217	317	417	517	617	717	817
0.019	0.48	1.47	119	219	319	419	519	619	719	819
0.021	0.53	1.79	121	221	321	421	521	621	721	821
0.023	0.58	2.15			323	423	523	623	723	823
0.025	0.64	2.54		225	325	435	525	625	725	825
0.027	0.69	2.96		227	327	427	527	627	727	827
0.029	0.74	3.42		229	329	429	529	629	729	829
0.031	0.79	3.9		231	331	431	531	631	731	831
0.033	0.84	4.42			333	433	533	633	733	833
0.035	0.89	4.98		235	335	435	535	635	735	835
0.037	0.94	5.56			337	437	537	637	737	837
0.039	0.99	6.18	139	239	339	439	539	639	739	839
0.041	1.04	6.83			341	441	541	641	741	841
0.043	1.09	7.51			343	443	543	643	743	843
0.045	1.14	8.23			345	445	545	645		
0.047	1.19	8.98			347	447	547	647	747	847
0.049	1.24	9.76				449	549	649	749	
0.051	1.30	10.57			351	451	551	651	751	851
0.053	1.35	16.13				453	553		753	
0.055	1.40	12.29			355	455	555	655	755	855
0.057	1.45	13.2					557	657		
0.059	1.50	14.14				459		659		
0.061	1.55	15.12				461	561	661	761	861
0.063	1.60	16.13				463		663		863
0.065	1.65	17.17				465	565	665		
0.067	1.70	18.24				467	567	667	767	867
0.069	1.75	19.34						669		
0.071	1.80	20.48				471	571	671	771	
0.075	1.91	22.85				475	575	675		
0.081	2.06	26.66				481				

XHD Guard



XHD010

incl. 5x Seat (15K880)*

incl. 5x Gasket (15R420)*

*not sold separately

TIPS FOR AIRLESS AND AIR-ASSISTED AIRLESS (5)

Airless Standard Tips 163-xxx & 163-xxx FF

Manual 306686

Airless Spraying tips for multi-purpose use



Standard Tip
163-xxx,
odd part no.
Guard see page 23-8

Standard Tips (163-xxx, odd part no.) 5000 psi (345 bar)

Graco's universal standard-airless-tips fit the airless spraying guns of the most manufactures. A wide range of the most varied tips, spraying widths and fluid flow rates is available.



FF- Tip 163-xxx, even part no.
165397 Tip retainer (Acetal)
164769 PTFE gasket
Guard see page 23-8

Fine Finish Airless Spray Tips (163-xxx, even part no.) 3000 psi (210 bar)

Fine spray tips are double tips, i.e. a pre atomizer tip is inserted in front of the spraying tip which already breaks up the fluid before it is atomized into extremely fine particles in the second tip. This produces an especially soft, shadow free spraying pattern. FF fine spraying tips are used for applications where high-quality paint work is especially important, e.g. in the furniture and leather industry or in automobile paint shops. They fit the airless spraying guns of most manufacturers.

(only for Silver Gun)



Tip Guard 163/269 Tips

220255 - 11/16" for Standard tips
220251 - 7/8" for Standard tips
220250 - 3/4" for Standard tips

220247 - 7/8" for FF- tips
220249 - 11/16" for FF- tips



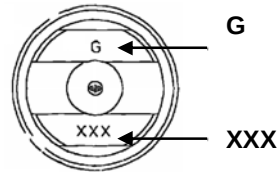
Standard Tip's 163 xxx / 163 xxxFF												
orifice		max	Spray Pattern width @ distance of 300 mm									
inc.	metric	l/min	5 cm	10 cm	15 cm	20 cm	25 cm	30 cm	35 cm	40 cm	45 cm	
0.003			103									
0.004												
0.005												
0.006												
0.007	0.18	0.2	107	207	307	407						
0.008	0.20	0.261	108	208		408						
0.009	0.23	0.33	109	209	309	409	509	609				
0.01	0.254	0.41		210	310	410	510	610				
0.011	0.28	0.49	111	211	311	411	511	611	711			
0.012	0.305	0.56		212	312	412	512	612	712			
0.013	0.33	0.69	113	213	313	413	513	613	713	813		
0.014	0.356	0.79		214	314	414	514	614	714	814		
0.015	0.38	0.91	115	215	315	415	515	615	715	815		
0.016	0.406	1.02		216	316	416	516	616	716	816		
0.017	0.43	1.17	117	217	317	417	517	617	717	817	917	
0.018	0.457	1.32			318	418	518	618	718	818	918	
0.019	0.48	1.47	119	219	319	419	519	619	719	819	919	
0.02	0.508	1.62				420	520	620		820		
0.021	0.53	1.79	121	221	321	421	521	621	721	821	921	
0.022	0.559	1.97			322		522	622		822		
0.023	0.58	2.15		223	323	423	523	623	723	823	923	
0.024	0.61	2.34			324	424	524	624		824		
0.025	0.64	2.54		225	325	425	525	625	725	825	925	
0.026	0.66	2.76				426		626		826		
0.027	0.69	2.96		227	327	427	527	627	727	827	927	
0.028	0.711	3.18				428	528					
0.029	0.74	3.42		229	329	429	529	629	729	829	929	
0.031	0.79	3.9		231	331	431	531	631	731	831	931	
0.032	0.813	4.16				423		632		832		
0.033	0.84	4.42				433		633	733	833	933	
0.035	0.89	4.98		235	335	435	535	635	735	835	935	
0.037	0.94	5.56		237	337	437	537	637	737	837	937	
0.039	0.99	6.18		239	339	439	539	639	739	839	939	
0.041	1.04	6.83		241	341	441	541	641	741	841	941	
0.043	1.09	7.51			343	443	543	643	743	843	943	
0.045	1.14	8.23			345	445	545	645	745	845		
0.047	1.19	8.98			347	447	547	647	747	847		
0.049	1.24	9.76				449			749	849		
0.051	1.30	10.57			351	451	551	651				
0.053	1.35	16.13					553	653	753	853		
0.055	1.40	12.29			355	455	555	655	755	855		
0.057	1.45	13.2			357	457	557	657	757	857		
0.059	1.50	14.14			359	459	559	659	759			
0.061	1.55	15.12				461	561	661	761	861		
0.063	1.60	16.13				463	563	663	763	863		
0.065	1.65	17.17				465	565	665		865		
0.067	1.70	18.24				467	567	667		867		
0.069	1.75	19.34			369	469	569	669				
0.071	1.80	20.48				471	571	671		871		
0.073	1.85	21.65				473	573					
0.075	1.91	22.85				475						
0.077	1.96	24.08				477						

TIPS FOR AIRLESS AND AIR-ASSISTED AIRLESS

Airless Automatic Tips (GG0-xxx)

Manual 308813

GG0-xxx similar 163 xxx but with higher precision



For robot and automatic applications, standard tips with part No. GGO-XXX can be supplied with **smaller spray pattern width tolerance**.

E.g. a standard Tip, e.g. 163217, has a spray width of 100-150 mm at a distance of 300 mm.

An Airless automatic tip, GGO217, has a spray width of 100-115 mm at a distance of 300 mm.

See [manual 308813](#) for automatic airless guns and tip table for available GGOXXX tips.

GG0 - Automatic Airless Tip's (GG0 xxx)									
orifice		max	Spray Pattern width @ distance of 300 mm						
inc.	mm.	l/min	5 cm	10 cm	15 cm	20 cm	25 cm	30 cm	35 cm
0.007	0.18	0.2	107		307				
0.009	0.23	0.33	109	209	309				
0.011	0.28	0.49	111	211	311	411	511	611	
0.013	0.33	0.69		213	313	413	513	613	713
0.015	0.38	0.91	115	215	315	415	515	615	715
0.017	0.43	1.17	117	217	317	417	517	617	817
0.019	0.48	1.47		219	319	419	519	619	819
0.021	0.53	1.79		221	321	421	521	621	821
0.023	0.58	2.15			323	423	523	623	823
0.025	0.64	2.54			325	425	525	625	825
0.027	0.69	2.96			327	427	527	627	827
0.029	0.74	3.42				429	529	629	829
0.031	0.79	3.9				431	531	631	831
0.033	0.84	4.42				433	533	633	833
0.035	0.89	4.98			335	435	535	635	835
0.037	0.94	5.56					539	639	
0.039	0.99	6.18					541		841
0.041	1.04	6.83					543	643	
0.043	1.09	7.51					545		
0.045	1.14	8.23							
0.047	1.19	8.98							
0.049	1.24	9.76						749	
0.051	1.30	10.57							
0.053	1.35	16.13				553			

TIPS FOR AIRLESS AND AIR-ASSISTED AIRLESS

Adjustable Airless Spray Tips (recommended seal is 162863)

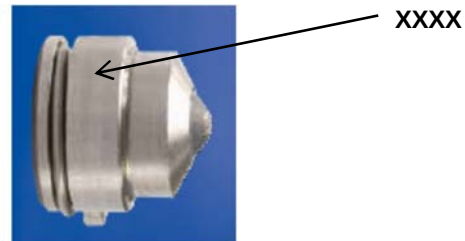
Adjustable Airless Spray Tip's			
Part No.	orifice (mm)		Spray pattern width 152mm distance to the object
	min	max	
75304 001003	0.13	0.46	50 - 350 mm
75304 001006	0.18	0.48	100 - 500 mm
75304 001009	0.18	0.66	50 - 350 mm
75304 001015	0.43	0.9	150 - 600 mm
75304 001018	0.53	1.37	150 - 400 mm



Air Assisted Fine Finish Tips (AAF-xxx)

AAF tips are designed for **G15/G40** manual guns and **G40** automatic air-assisted spray guns ([Manual 3A0149](#)). Recommended for high finish quality applications at low and medium pressure. AAF tips have a pre-orifice which assists in atomizing shear thinning materials, including lacquers. Order desired tip (part no. AAFxxx).

AAF - Air Assisted FF-Tip's						
orifice		max	Spray Pattern width @ distance of 300 mm			
inc.	metric	l/min	15 cm	20 cm	25 cm	30 cm
0.01	0.25	0.41	310	410	510	610
0.012	0.30	0.56	312	412	512	612
0.014	0.36	0.79		414	514	614
0.016	0.41	1.02		416	516	616



TIPS FOR AIRLESS AND AIR-ASSISTED AIRLESS

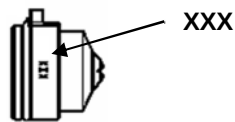
Air Assisted Fine Finish Tips (AAM-xxx)

Fine Finish Tip, develop for a more efficient atomization. Especially for wood applications that requires of superior finish quality:

For gun **G15** only size to 0,021" 0,53 mm

For gun **G40** and **G40 Automatic** all size

AAM - Air Assisted Standard Tip's (AAM-xxx)										
orifice		max	Spray Pattern width @ distance of 300 mm							
inc.	mm.	l/min	5 cm	10 cm	15 cm	20 cm	25 cm	30 cm	35 cm	40 cm
0.007	0.18	0.2		207	307					
0.009	0.23	0.33	109	209	309	409	509			
0.011	0.28	0.49	111	211	311	411	511	611	711	
0.013	0.33	0.69		213	313	413	513	613	713	
0.015	0.38	0.91		215	315	415	515	615	715	
0.017	0.43	1.17		217	317	417	517	617	717	817
0.019	0.48	1.47		219	319	419	519	619	719	819
0.021	0.53	1.79			321	421	521	621	721	821
0.023	0.58	2.15				423	523	623	723	823
0.025	0.64	2.54				425		625	725	825
0.027	0.69	2.96					527	627		827
0.029	0.74	3.42						629		
0.031	0.79	3.9				431		631		
0.033	0.84	4.42						633		
0.035	0.89	4.98						635		
0.037	0.94	5.56							737	
0.039	0.99	6.18					539	639		839



Gasket 183616



Strainer 241804 (10p.)
0,009 to 0,011" orifice
150 Mesh

AAM xxx (Fine Finish tip)
GG4 xxx (Standard AA-tip)

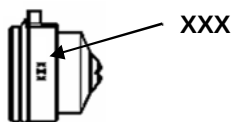
TIPS FOR AIRLESS AND AIR-ASSISTED AIRLESS

Air Assisted Standard Tips (GG4-xxx)

GG4-xxx - manufacturing Tips (successor AAM-xxx) Fine Finish Tip, for better atomization with high solid fluids (GG4 used with Alpha Plus AA gun).

note: GG4-xxx fit in new G15-G40 gun (AAM-xxx)

GG4 - Automatic Airless Tips (GG4 xxx)											
orifice		max l/min	Spray Pattern width @ distance of 300 mm								
inc.	mm.		5 cm	10 cm	15 cm	20 cm	25 cm	30 cm	35 cm	40 cm	45 cm
0.007	0.18	0.2	107	207	307						
0.009	0.23	0.33	109	209	309	409	509				
0.011	0.28	0.49	111	211	311	411	511	611			
0.013	0.33	0.69		213	313	413	513	613	713		
0.015	0.38	0.91		215	315	415	515	615	715	815	
0.017	0.43	1.17		217	317	417	517	617	717	817	917
0.019	0.48	1.47		219	319	419	519	619	719	819	919
0.021	0.53	1.79			321	421	521	621	721	821	921
0.023	0.58	2.15				423	523	623	723	823	923
0.025	0.64	2.54				425		625	725	825	925
0.027	0.69	2.96					527	627		827	
0.029	0.74	3.42							629		
0.031	0.79	3.9				431		631			
0.033	0.84	4.42						633		833	
0.035	0.89	4.98				435		635			
0.037	0.94	5.56							737		
0.039	0.99	6.18					539	639		839	



Gasket 183616
Strainer 241804 (10p.)
 0,009 to 0,011" orifice
 150 Mesh
 AAM xxx (Fine Finish tip)
 GG4 xxx (Standard AA-tip)

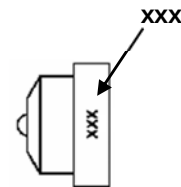
TIPS FOR AIRLESS AND AIR-ASSISTED-AIRLESS

Air Assisted Standard Spray Tips (182-xxx)

Manual 308813

For Gun Model: AA2000, AA200HS, AA270HS, AA3000, HELP AA3000,
For use with 217303 or 218336 air cap.

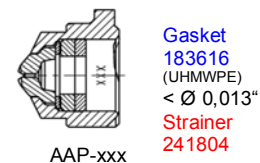
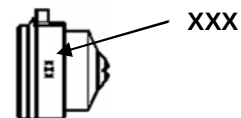
182 - Air Assisted Standard Tip's (182-xxx)										
orifice			max							
inc.	mm.	l/min	Spray Pattern width							
			5 cm	10 cm	15 cm	20 cm	25 cm	30 cm	35 cm	40 cm
0.007	0.18	0.2	107	207	307					
0.009	0.23	0.33		209	309	409				
0.011	0.28	0.49		211	311	411	511	611		
0.013	0.33	0.69		213	313	413	513	613		
0.015	0.38	0.91		215	315	415	515	615		
0.017	0.43	1.17		217	317	417	517	617		
0.019	0.48	1.47			319	419	519	619	719	
0.021	0.53	1.79				421	521	621	721	821
0.023	0.58	2.15				423	523	623	723	823
0.025	0.64	2.54				425	525	625	725	825
0.027	0.69	2.96				427		627		
0.029	0.74	3.42				429		629	729	
0.031	0.79	3.9				431		631		
0.035	0.89	4.98				435	535	635		
0.039	0.99	6.18				439	539	639		
0.041	1.04	6.83				441	541	641		
0.043	1.09	7.51				443	543	643		



Air Assisted Automatic Standard Spray Tips (AAP-xxx)

Automatic G40 gun Tips (predecessor GG5-xxx).
For automatic finishing application requiring high finish quality

AAP - Automatic Air Assisted Standard Tip's (AAP-xxx)									
orifice			max						
inc.	mm.	l/min	Spray Pattern width @ a distance of 300mm						
			10 cm	15 cm	20 cm	25 cm	30 cm	35 cm	40 cm
0.009	0.23	0.33	209	309	409	509			
0.011	0.28	0.49	211	311	411	511	611		
0.013	0.33	0.69	213	313	413	513	613	713	
0.015	0.38	0.91	215	315	415	515	615	715	815
0.017	0.43	1.17		317	417	517	617	717	817
0.019	0.48	1.47			419	519	619	719	
0.021	0.53	1.79			421	521	621		821



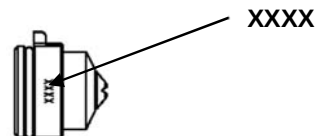
AAP-xxx



Air Assisted Automatic Spray Tips (GGW-xxx)

Alpha air-assisted medium pressure tips for **Alpha AA-Gun**

GGW - Automatic Air Assisted SprayTips (GGW-xxx)											
orifice		max	Spray Pattern width @ a distance of 300mm								
inc.	mm.	l/min	5 cm	10 cm	15 cm	20 cm	25 cm	30 cm	35 cm	40 cm	45 cm
0.007	0.18	0.2	107	207	307						
0.009	0.23	0.33	109	209	309	409	509				
0.011	0.28	0.49	111	211	311	411	511	611			
0.013	0.33	0.69		213	313	413	513	613	713		
0.015	0.38	0.91		215	315	415	515	615	715	815	
0.017	0.43	1.17		217	317	417	517	617	717	817	917
0.019	0.48	1.47			319	419	519	619	719	819	919
0.021	0.53	1.79				421	521	621	721	821	921



Chapter 23

TIPS FOR AIRLESS AND AIR-ASSISTED-AIRLESS

Electrostatic air-assisted airless spray Tips (GG3-xxx)

For Pro XS 4 AA, Pro Auto Xs AA

GG3 - Electrostatic Air Assited Spray Tips (GG3 xxx)									
orifice		Flow rate l/min. (light - to medium fluids / highly viscous fluids)	Spray pattern width 300mm distance to the object (mm)						
inc.	metric		50-100	100-150	150-200	200-250	250-300	300-350	350-400
0.007	0.18	0.1	107	207	307				
0.009	0.23	0.2	109	209	309	409			
0.011	0.28	0.3	111	211	311	411	511	611	
0.013	0.33	0.4	113	213	313	413	513	613	713
0.015	0.38	0.5	115	215	315	415	515	615	715
0.017	0.43	0,6 / 0,7		217	317	417	517	617	717
0.019	0.48	0,6 / 0,8			319	419	519	619	719
0.021	0.53	0,8 / 1,0				421	521	621	721
0.023	0.58	1,0 / 1,4				423	523	623	
0.025	0.64	1,2 / 1,5				425		625	

Accessories Nozzle and Air Caps E-Static Guns:

Part No.	Orifice	Part No.	Orifice	Manual
197263	Fluid nozzle, 0.75 mm	249920°	Fluid nozzle, 0.75 mm	309419
197264	Fluid nozzle, 1.0 mm	249921°	Fluid nozzle, 1.0 mm	
197265	Fluid nozzle, 1.2 mm	249922°	Fluid nozzle, 1.2 mm	
197266	Fluid nozzle, 1.5 mm	249923°	Fluid nozzle, 1.5 mm	
197267	Fluid nozzle, 1.8 mm	249924°	Fluid nozzle, 1.8 mm	
197268	Fluid nozzle, 2.0 mm	249924°	Fluid nozzle, 2.0 mm	

Part No.	description	Manual
197477	Air cap, round oval, 381mm – 432mm	309419
24A438*	Air cap, round oval grey 381mm – 432mm (330-381 mm)	
197478	Air cap, small flow, 381mm – 432mm	
24A376*		
197479	Air cap, conic, 330mm – 381mm	
24A274*		
197480	Air cap, wide, 406mm – 457mm	
24A279*		
197481	Air cap 2.0 nozzle only, 432mm – 483mm	309419
24A439*	Air cap	
24A275	Air cap, 356mm – 406mm (with pattern kit) 297mm – 348mm	

Part No.	description	Manual
245217	Round pattern spray kit Pro Xs 2 / Xs3 / Xs4, 102mm – 152mm	309447
245219	Round pattern spray kit Pro Xs 2 / Xs3 / Xs4, 203mm – 254mm	
245282	Round pattern spray kit ProXs4 AA	309448
277851	Round Patter Kit "Adjustable"	313223

Round pattern spray kit Auto Pro Xs AA		
236836	Size No. 4A, 229 mm, 120 cm³/min @40bar, 170 cm³/min @80bar	309449
236837	Size No. 6A, 254 mm, 150 cm³/min @40bar, 220 cm³/min @80bar	
236838	Size No. 7A, 254 mm, 160 cm³/min @40bar, 230 cm³/min @80bar	
236839	Size No. 5B, 356 mm, 230 cm³/min @40bar, 330 cm³/min @80bar	
236840	Size No. 7B, 330 mm, 270 cm³/min @40bar, 420 cm³/min @80bar	
236841	Size No. 9B, 305 mm, 350 cm³/min @40bar, 530 cm³/min @80bar	
236842	Size No. 11B, 279 mm, 480 cm³/min @40bar, 700 cm³/min @80bar	

* Recommended Replacement

° Glass reinforced acetal construction



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Graco EP Series Hose Pump Technology (Peristaltic)

Manual 3A1938
Leaflet 344964

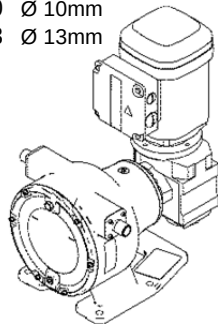
Max. viscosity hose pump: 20.000 cps
Min. temp: -10 degr.Celsius Max. temp: 50 degr. Celsius

Overview Hose selection:

	Hose Materials	Application	Stripe/inside color
NR	Natural Rubber	Abrasive materials	None / black (71° C)
NBR	Nitrile Rubber	Oil and fat based materials	Yellow / black (104° C)
NBR food grade		Oil based foods	Yellow / white (104° C)
EPDM	Ethylene propylene	General chemicals	Blue / black (121° C)
EPDM food grade		Food slurries and pharma. products	Blue / white (121° C)
CR (NEO)	Neoprene	Corrosive and petroleum based chemicals	Green / black (104° C)
UHMWPE	Ultra High Molecular Weight Polyethylene	Solventborne materials	White / black (71° C)
CSM Hypalon® (DuPont)	Chlorosulfonated polyethylene	Corrosive chemicals	Orange / black (121° C)

EP2 Hose Pump

EP 2006 Ø 6mm
EP 2010 Ø 10mm
EP 2013 Ø 13mm

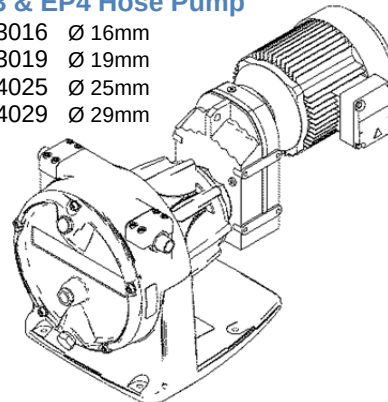


Maximum recommended
pump speed: 85 RPM

Manual Parts: 3A1939

EP3 & EP4 Hose Pump

EP 3016 Ø 16mm
EP 3019 Ø 19mm
EP 4025 Ø 25mm
EP 4029 Ø 29mm



Maximum recommended
pump speed: 85 RPM

Manual Parts: 3A1940



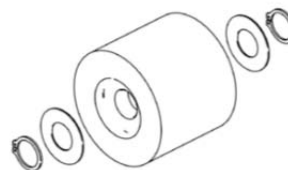
EP2 Barb Kit



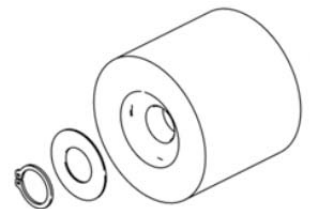
EP3 & EP4 Barb Kit



EP2 Roller Kit



EP3 Roller Kit



EP4 Roller Kit

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Pump Model EP2006 (with motor)

Repair Manual: 3A1940
Operation Manual: 3A1938

Continuous duty speed:	0,6 lpm	Max discharge pressure:	13,8 bar
Recommend max flow:	1,275 lpm	Hose diameter:	6 mm
Capacity:	15cc/ rev	Port size:	1/2 in (m) NPT

Part No.		Pump Module	Roller Kit	Motor & Gearbox	Pump Speed @ 50 Hz - rpm Flow Rate @ 50 Hz - liter	Material (hose 6mm)	
complete	with hose not installed					Hose kit.	Barbe kit.
24L104	24L374	24L887	24K562	24L985	9 / 0,15	24K482 (NR)	24K565 (SST)
24L118	24L388			24L982	29 / 0,43		
24L132	24L402			24L984	75 / 1,13		
24L107	24L377	24L887	24K562	24L985	9 / 0,15	24K484 (NBR)	24K565 (SST)
24L121	24L391			24L982	29 / 0,43		
24L135	24L405			24L984	75 / 1,13		
24L108	24L378			24L985	9 / 0,15		24K566 Hastelloy
24L122	24L392			24L982	29 / 0,43		
24L136	24L406			24L984	75 / 1,13		
24L109	24L379	24L887	24K562	24L985	9 / 0,15	24K486 (NBR) Food grade	24K565 (SST)
24L123	24L393			24L982	29 / 0,43		
24L137	24L407			24L984	75 / 1,13		
24L110	24L380			24L985	9 / 0,15		24K566 Hastelloy
24L124	24L394			24L982	29 / 0,43		
24L138	24L408			24L984	75 / 1,13		
24L100	24L470	24L887	24K562	24L985	9 / 0,15	24K483 (EPDM)	24K565 (SST)
24L114	24L384			24L982	29 / 0,43		
24L128	24L398			24L984	75 / 1,13		
24L101	24L371			24L985	9 / 0,15		24K566 Hastelloy
24L115	24L385			24L982	29 / 0,43		
24L129	24L399			24L984	75 / 1,13		
24L102	24L372	24L887	24K562	24L985	9 / 0,15	24K485 (EPDM) Food grade	24K565 (SST)
24L116	24L386			24L982	29 / 0,43		
24L130	24L400			24L984	75 / 1,13		
24L103	24L373			24L985	9 / 0,15		24K566 Hastelloy
24L117	24L387			24L982	29 / 0,43		
24L131	24L401			24L984	75 / 1,13		
24L111	24L381	24L887	24K562	24L985	9 / 0,15	24K489 (CR)	24K565 (SST)
24L125	24L395			24L982	29 / 0,43		
24L139	24L409			24L984	75 / 1,13		
24L105	24L375	24L887	24K562	24L985	9 / 0,15	24K487 (CSM)	24K565 (SST)
24L119	24L389			24L982	29 / 0,43		
24L133	24L403			24L984	75 / 1,13		
24L106	24L376			24L985	9 / 0,15		24K566 Hastelloy
24L120	24L390			24L982	29 / 0,43		
24L134	24L404			24L984	75 / 1,13		
24L112	24L382	24L887	24K562	24L985	9 / 0,15	24K488 (UHMWPE)	24K565 (SST)
24L126	24L396			24L982	29 / 0,43		
24L140	24L410			24L984	75 / 1,13		
24L113	24L393			24L985	9 / 0,15		24K566 Hastelloy
24L127	24L397			24L982	29 / 0,43		
24L141	24L411			24L984	75 / 1,13		



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Pump Model EP2010 (with motor)

Repair Manual: 3A1940
Operation Manual: 3A1938

Continuous duty speed:	1,36 lpm	Max discharge pressure:	13,8 bar
Recommend max flow:	2,55 lpm	Hose diameter:	10 mm
Capacity:	34cc/ rev	Port size:	1/2 in (m) NPT

Part No.		Pump Module	Roller Kit	Motor & Gearbox	Pump Speed @ 50 Hz - rpm Flow Rate @ 50 Hz - liter	Material (hose 10mm)	
complete	with hose not installed					Hose kit.	Barbe kit.
24L146	24L416	24L887	24K562	24L985	9 / 0,15	24K492 (NR)	24K567 (SST)
24L160	24L430			24L983	29 / 0,43		
24L174	24L444			24L984	75 / 1,13		
24L149	24L419	24L887	24K562	24L985	9 / 0,15	24K494 (NBR)	24K567 (SST)
24L163	24L433			24L983	29 / 0,43		
24L177	24L447			24L984	75 / 1,13		
24L150	24L420			24L985	9 / 0,15		24K568 Hastelloy
24L164	24L434			24L983	29 / 0,43		
24L178	24L448			24L984	75 / 1,13		
24L151	24L421	24L887	24K562	24L985	9 / 0,15	24K496 (NBR) Food grade	24K567 (SST)
24L165	24L435			24L983	29 / 0,43		
24L179	24L449			24L984	75 / 1,13		
24L152	24L422			24L985	9 / 0,15		24K568 Hastelloy
24L166	24L436			24L983	29 / 0,43		
24L180	24L450			24L984	75 / 1,13		
24L142	24L412	24L887	24K562	24L985	9 / 0,15	24K493 (EPDM)	24K567 (SST)
24L156	24L426			24L983	29 / 0,43		
24L170	24L440			24L984	75 / 1,13		
24L143	24L413			24L985	9 / 0,15		24K568 Hastelloy
24L157	24L427			24L983	29 / 0,43		
24L171	24L441			24L984	75 / 1,13		
24L144	24L414	24L887	24K562	24L985	9 / 0,15	24K495 (EPDM) Food grade	24K567 (SST)
24L158	24L428			24L983	29 / 0,43		
24L172	24L442			24L984	75 / 1,13		
24L145	24L425			24L985	9 / 0,15		24K568 Hastelloy
24L159	24L429			24L983	29 / 0,43		
24L173	24L443			24L984	75 / 1,13		
24L153	24L423	24L887	24K562	24L985	9 / 0,15	24K499 (CR)	24K567 (SST)
24L167	24L437			24L983	29 / 0,43		
24L181	24L451			24L984	75 / 1,13		
24L147	24L417	24L887	24K562	24L985	9 / 0,15	24K497 (CSM)	24K567 (SST)
24L161	24L431			24L983	29 / 0,43		
24L175	24L445			24L984	75 / 1,13		
24L158	24L418			24L985	9 / 0,15		24K568 Hastelloy
24L162	24L432			24L983	29 / 0,43		
24L176	24L446			24L984	75 / 1,13		
24L154	24L424	24L887	24K562	24L985	9 / 0,15	24K498 (UHMWPE)	24K567 (SST)
24L168	24L438			24L983	29 / 0,43		
24L182	24L452			24L984	75 / 1,13		
24L155	24L425			24L985	9 / 0,15		24K568 Hastelloy
24L169	24L439			24L983	29 / 0,43		
24L183	24L453			24L984	75 / 1,13		

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Pump Model EP2013 (with motor)

Repair Manual: 3A1940
Operation Manual: 3A1938

Continuous duty speed:	2,4 lpm	Max discharge pressure:	13,8 bar
Recommend max flow:	5,1 lpm	Hose diameter:	13 mm
Capacity:	60cc/ rev	Port size:	1/2 in (m) NPT

Part No.		Pump Module	Roller Kit	Motor & Gearbox	Pump Speed @ 50 Hz - rpm Flow Rate @ 50 Hz - liter	Material (hose 13mm)	
complete	with hose not installed					Hose kit.	Barbe kit.
24L188	24L458	24L887	24K564	24L985	9 / 0,53	24K502 (NR)	24K569 (SST)
24L202	24L472			24L983	29 / 2,58		
24L216	24L486			24L984	75 / 4,13		
24L191	24L461	24L887	24K564	24L985	9 / 0,53	24K504 (NBR)	24K569 (SST)
24L205	24L475			24L983	29 / 2,58		
24L219	24L489			24L984	75 / 4,13		
24L192	24L462			24L985	9 / 0,53		24K570 Hastelloy
24L206	24L476			24L983	29 / 2,58		
24L220	24L490			24L984	75 / 4,13		
24L193	24L463	24L887	24K564	24L985	9 / 0,53	24K506 (NBR) Food grade	24K569 (SST)
24L207	24L477			24L983	29 / 2,58		
24L221	24L491			24L984	75 / 4,13		
24L194	24L464			24L985	9 / 0,53		24K570 Hastelloy
24L208	24L478			24L983	29 / 2,58		
24L222	24L492			24L984	75 / 4,13		
24L184	24L454	24L887	24K564	24L985	9 / 0,53	24K503 (EPDM)	24K569 (SST)
24L198	24L468			24L983	29 / 2,58		
24L212	24L482			24L984	75 / 4,13		
24L185	24L455			24L985	9 / 0,53		24K570 Hastelloy
24L199	24L469			24L983	29 / 2,58		
24L213	24L483			24L984	75 / 4,13		
24L186	24L456	24L887	24K564	24L985	9 / 0,53	24K505 (EPDM) Food grade	24K569 (SST)
24L200	24L470			24L983	29 / 2,58		
24L214	24L484			24L984	75 / 4,13		
24L187	24L457			24L985	9 / 0,53		24K570 Hastelloy
24L201	24L471			24L983	29 / 2,58		
24L215	24L485			24L984	75 / 4,13		
24L195	24L465	24L887	24K564	24L985	9 / 0,53	24K509 (CR)	24K569 (SST)
24L209	24L479			24L983	29 / 2,58		
24L223	24L493			24L984	75 / 4,13		
24L189	24L459	24L887	24K564	24L985	9 / 0,53	24K507 (CSM)	24K569 (SST)
24L203	24L473			24L983	29 / 2,58		
24L217	24L487			24L984	75 / 4,13		
24L190	24L460			24L985	9 / 0,53		24K570 Hastelloy
24L204	24L474			24L983	29 / 2,58		
24L218	24L488			24L984	75 / 4,13		
24L196	24L466	24L887	24K564	24L985	9 / 0,53	24K508 (UHMWPE)	24K569 (SST)
24L210	24L480			24L983	29 / 2,58		
24L224	24L494			24L984	75 / 4,13		
24L197	24L467			24L985	9 / 0,53		24K570 Hastelloy
24L211	24L481			24L983	29 / 2,58		
24L183	24L495			24L984	75 / 4,13		



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Pump Model EP3016 (with motor)

*Repair Manual: 3A1939
Operation Manual: 3A1938*

Continuous duty speed:	5,3 lpm	Max discharge pressure:	13,8 bar
Recommend max flow:	11,05 lpm	Hose diameter:	16 mm
Capacity:	130cc/ rev	Port size:	3/4 in (m) NPT

Part No.		Pump Module	Roller Kit	Motor & Gearbox	Pump Speed @ 50 Hz - rpm Flow Rate @ 50 Hz - liter	Material (hose 16mm)	
complete	with hose not installed					Hose kit.	Barbe kit.
24L504	24L588	24L888	24K588	24L988	15 / 2,0	24K522 (NR)	24K590 (SST)
24L518	24L602			24L987	42 / 5,66		
24L532	24L616			24L986	73 / 9,75		
24L507	24L591	24L888	24K588	24L988	15 / 2,0	24K524 (NBR)	24K590 (SST)
24L521	24L605			24L987	42 / 5,66		
24L535	24L619			24L986	73 / 9,75		
24L508	24L592			24L988	15 / 2,0		24K591 Hastelloy
24L522	24L606			24L987	42 / 5,66		
24L536	24L620			24L986	73 / 9,75		
24L509	24L593	24L888	24K588	24L988	15 / 2,0	24K526 (NBR) Food grade	24K590 (SST)
24L523	24L607			24L987	42 / 5,66		
24L537	24L621			24L986	73 / 9,75		
24L510	24L594			24L988	15 / 2,0		24K591 Hastelloy
24L524	24L608			24L987	42 / 5,66		
24L538	24L622			24L986	73 / 9,75		
24L500	24L584	24L888	24K588	24L988	15 / 2,0	24K523 (EPDM)	24K590 (SST)
24L514	24L598			24L987	42 / 5,66		
24L528	24L612			24L986	73 / 9,75		
24L501	24L585			24L988	15 / 2,0		24K591 Hastelloy
24L515	24L599			24L987	42 / 5,66		
24L529	24L613			24L986	73 / 9,75		
24L502	24L586	24L888	24K588	24L988	15 / 2,0	24K525 (EPDM) Food grade	24K590 (SST)
24L519	24L600			24L987	42 / 5,66		
24L530	24L614			24L986	73 / 9,75		
24L503	24L587			24L988	15 / 2,0		24K591 Hastelloy
24L517	24L601			24L987	42 / 5,66		
24L531	24L615			24L986	73 / 9,75		
24L511	24L595	24L888	24K588	24L988	15 / 2,0	24K529 (CR)	24K590 (SST)
24L525	24L609			24L987	42 / 5,66		
24L539	24L623			24L986	73 / 9,75		
24L505	24L589	24L888	24K588	24L988	15 / 2,0	24K527 (CSM)	24K590 (SST)
24L519	24L603			24L987	42 / 5,66		
24L533	24L617			24L986	73 / 9,75		
24L506	24L590			24L988	15 / 2,0		24K591 Hastelloy
24L520	24L604			24L987	42 / 5,66		
24L534	24L618			24L986	73 / 9,75		
24L512	24L596	24L888	24K588	24L988	15 / 2,0	24K528 (UHMWPE)	24K590 (SST)
24L526	24L610			24L987	42 / 5,66		
24L540	24L624			24L986	73 / 9,75		
24L513	24L597			24L988	15 / 2,0		24K591 Hastelloy
24L527	24L611			24L987	42 / 5,66		
24L541	24L625			24L986	73 / 9,75		

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Pump Model EP3019 (with motor)

Repair Manual: 3A1940
Operation Manual: 3A1938

Operation Manual: SA1938

Continuous duty speed:		7,3 lpm	Max discharge pressure:		13,8 bar	
Recommend max flow:		15,3 lpm	Hose diameter:		19 mm	
Capacity:		180cc/ rev	Port size:		3/4 in (m) NPT	

Part No.		Pump Module	Roller Kit	Motor & Gearbox	Pump Speed @ 50 Hz - rpm	Material (hose 19mm)	
					Flow Rate @ 50 Hz - liter	Hose kit.	Barbe kit.
complete	with hose notinstalled						
24L546	24L630	24L888	24K589	24L988	15 / 2,0	24K532 (NR)	24K569 (SST)
24L560	24L644			24L987	42 / 5,66		
24L574	24L658			24L986	73 / 9,75		
24L549	24L633	24L888	24K589	24L988	15 / 2,0	24K534 (NBR)	24K569 (SST)
24L563	24L647			24L987	42 / 5,66		
24L577	24L661			24L986	73 / 9,75		
24L550	24L634			24L988	15 / 2,0		24K570 Hastelloy
24L564	24L648			24L987	42 / 5,66		
24L578	24L662			24L986	73 / 9,75		
24L551	24L635	24L888	24K589	24L988	15 / 2,0	24K536 (NBR) Food grade	24K569 (SST)
24L565	24L649			24L987	42 / 5,66		
24L579	24L663			24L986	73 / 9,75		
24L552	24L636			24L988	15 / 2,0		24K570 Hastelloy
24L566	24L650			24L987	42 / 5,66		
24L580	24L664			24L986	73 / 9,75		
24L542	24L626	24L888	24K589	24L988	15 / 2,0	24K533 (EPDM)	24K569 (SST)
24L556	24L640			24L987	42 / 5,66		
24L570	24L654			24L986	73 / 9,75		
24L543	24L627			24L988	15 / 2,0		24K570 Hastelloy
24L557	24L641			24L987	42 / 5,66		
24L571	24L655			24L986	73 / 9,75		
24L544	24L628	24L888	24K589	24L988	15 / 2,0	24K535 (EPDM) Food grade	24K569 (SST)
24L558	24L642			24L987	42 / 5,66		
24L572	24L656			24L986	73 / 9,75		
24L545	24L629			24L988	15 / 2,0		24K570 Hastelloy
24L559	24L643			24L987	42 / 5,66		
24L573	24L657			24L986	73 / 9,75		
24L553	24L637	24L888	24K589	24L988	15 / 2,0	24K539 (CR)	24K569 (SST)
24L567	24L651			24L987	42 / 5,66		
24L581	24L665			24L986	73 / 9,75		
24L547	24L631	24L888	24K589	24L988	15 / 2,0	24K537 (CSM)	24K569 (SST)
24L561	24L645			24L987	42 / 5,66		
24L575	24L659			24L986	73 / 9,75		
24L548	24L632			24L988	15 / 2,0		24K570 Hastelloy
24L562	24L646			24L987	42 / 5,66		
24L576	24L660			24L986	73 / 9,75		
24L554	24L638	24L888	24K589	24L988	15 / 2,0	24K538 (UHMWPE)	24K569 (SST)
24L568	24L652			24L987	42 / 5,66		
24L582	24L666			24L986	73 / 9,75		
24L555	24L639			24L988	15 / 2,0		24K570 Hastelloy
24L569	24L653			24L987	42 / 5,66		
24L583	24L667			24L986	73 / 9,75		



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Pump Model EP4025 (with motor)

Repair Manual: 3A1939
Operation Manual: 3A1938

Continuous duty speed:	16,7 lpm	Max discharge pressure:	13,8 bar
Recommend max flow:	35,7 lpm	Hose diameter:	25 mm
Capacity:	420cc/ rev	Port size:	1-1/4 in (m) NPT

Part No.		Pump Module	Roller Kit	Motor & Gearbox	Pump Speed @ 50 Hz - rpm	Material (hose 25mm)	
complete	with hose not installed				Flow Rate @ 50 Hz - liter	Hose kit.	Barbe kit.
25L002	25L068	24L889	24K613	24L991	19 / 7,83	24K542 (NR)	24K615 (SST)
25L010	25L076			24L990	43 / 18,3		
25L018	25L084			24L989	76 / 31,8		
25L004	25L070	24L889	24K613	24L991	19 / 7,83	24K544 (NBR)	24K615 (SST)
25L012	25L078			24L990	43 / 18,3		
25L020	25L086			24L989	76 / 31,8		
25L005	25L071	24L889	24K613	24L991	19 / 7,83	24K546 (NBR) Food grade	24K615 (SST)
25L013	25L079			24L990	43 / 18,3		
25L021	25L087			24L989	76 / 31,8		
25L000	25L066	24L889	24K613	24L991	19 / 7,83	24K543 (EPDM)	24K615 (SST)
25L008	25L074			24L990	43 / 18,3		
25L016	25L082			24L989	76 / 31,8		
25L001	25L067	24L889	24K613	24L991	19 / 7,83	24K545 (EPDM) Food grade	24K615 (SST)
25L009	25L075			24L990	43 / 18,3		
25L017	25L083			24L989	76 / 31,8		
25L006	25L072	24L889	24K613	24L991	19 / 7,83	24K549 (CR)	24K615 (SST)
25L014	25L080			24L990	43 / 18,3		
25L022	25L088			24L989	76 / 31,8		
25L003	25L069	24L889	24K613	24L991	19 / 7,83	24K547 (CSM)	24K615 (SST)
25L011	25L077			24L990	43 / 18,3		
25L019	25L085			24L989	76 / 31,8		
25L007	25L073	24L889	24K613	24L991	19 / 7,83	24K548 (UHMWPE)	24K615 (SST)
25L015	25L081			24L990	43 / 18,3		
25L023	25L089			24L989	76 / 31,8		

Graco Product Guide

Chapter 24



Pump Model EP4029 (with motor)

Repair Manual: 3A1939
Operation Manual: 3A1938

Continuous duty speed:	22,7 lpm	Max discharge pressure:	13,8 bar
Recommend max flow:	47,6 lpm	Hose diameter:	29 mm
Capacity:	560cc/ rev	Port size:	1-1/4 in (m) NPT

Part No.		Pump Module	Roller Kit	Motor & Gearbox Pump Speed @ 50 Hz - rpm		Material (hose 29mm)	
complete	with hose not installed					Hose kit.	Barbe kit.
25L028	25L094	24L889	24K614	24L991 (19)	19 / 10,7	24K552 (NR)	24K617 (SST)
25L042	25L108			24L990 (43)	43 / 24,9		
25L056	25L122			24L989 (76)	76 / 43,2		
25L031	25L097	24L889	24K614	24L991 (19)	19 / 10,7	24K554 (NBR)	24K617 (SST)
25L045	25L111			24L990 (43)	43 / 24,9		
25L059	25L125			24L989 (76)	76 / 43,2		
25L032	25L098			24L991 (19)	19 / 10,7		24K910 Hastelloy
25L046	25L112			24L990 (43)	43 / 24,9		
25L060	25L126			24L989 (76)	76 / 43,2		
25L033	25L099	24L889	24K614	24L991 (19)	19 / 10,7	24K556 (NBR) Food grade	24K617 (SST)
25L047	25L113			24L990 (43)	43 / 24,9		
25L061	25L127			24L989 (76)	76 / 43,2		
25L034	25L100			24L991 (19)	19 / 10,7		24K910 Hastelloy
25L048	25L114			24L990 (43)	43 / 24,9		
25L062	25L128			24L989 (76)	76 / 43,2		
25L024	25L090	24L889	24K614	24L991 (19)	19 / 10,7	24K553 (EPDM)	24K617 (SST)
25L038	25L104			24L990 (43)	43 / 24,9		
25L052	25L118			24L989 (76)	76 / 43,2		
25L025	25L091			24L991 (19)	19 / 10,7		24K910 Hastelloy
25L039	25L105			24L990 (43)	43 / 24,9		
25L053	25L119			24L989 (76)	76 / 43,2		
25L026	25L092	24L889	24K614	24L991 (19)	19 / 10,7	24K555 (EPDM) Food grade	24K617 (SST)
25L040	25L106			24L990 (43)	43 / 24,9		
25L054	25L120			24L989 (76)	76 / 43,2		
25L027	25L093			24L991 (19)	19 / 10,7		24K910 Hastelloy
25L041	25L107			24L990 (43)	43 / 24,9		
25L055	25L121			24L989 (76)	76 / 43,2		
25L035	25L101	24L889	24K614	24L991 (19)	19 / 10,7	24K559 (CR)	24K617 (SST)
25L049	25L115			24L990 (43)	43 / 24,9		
25L063	25L129			24L989 (76)	76 / 43,2		
25L029	25L095	24L889	24K614	24L991 (19)	19 / 10,7	24K557 (CSM)	24K617 (SST)
25L043	25L109			24L990 (43)	43 / 24,9		
25L057	25L123			24L989 (76)	76 / 43,2		
25L030	25L096			24L991 (19)	19 / 10,7		24K910 Hastelloy
25L044	25L110			24L990 (43)	43 / 24,9		
25L058	25L124			24L989 (76)	76 / 43,2		
25L036	25L102	24L889	24K614	24L991 (19)	19 / 10,7	24K558 (UHMWPE)	24K617 (SST)
25L050	25L116			24L990 (43)	43 / 24,9		
25L064	25L130			24L989 (76)	76 / 43,2		
25L037	25L103			24L991 (19)	19 / 10,7		24K910 Hastelloy
25L051	25L117			24L990 (43)	43 / 24,9		
25L065	25L131			24L989 (76)	76 / 43,2		



Graco Product Guide Chapter 24

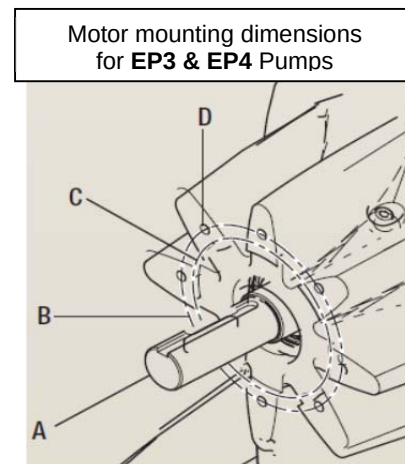
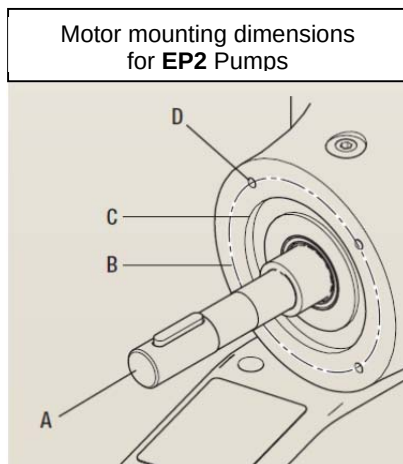
Bare hose Pumps (with No Motor Drive)

Repair Manual: 3A1939
Operation Manual: 3A1938

Pump Type: (Fully assembled pumps with customer to supply motor drive)		Natural Rubber	Nitrile	Nitrile Food Grade	EPDM Ethylene propylene	EPDM Food Grade	Neoprene	CSM Chlorosulfonated polyethylene	UHMWPE
EP2006	SST	24M739	24M742	24M744	24M735	24M737	24M746	24M740	24M747
	Hastelloy-C	NN	24M743	24M745	24M736	24M738	NN	24M741	24M748
EP2010	SST	24M753	24M756	24M758	24M763	24M765	24M774	24M768	24M775
	Hastelloy-C	NN	24M757	24M759	24M764	24M780	NN	24M769	24M776
EP2013	SST	24M767	24M770	24M772	24M763	24M765	24M774	24M768	24M775
	Hastelloy-C	NN	24M771	24M773	24M764	24M766	NN	24M769	24M776
EP3016	SST	24M781	24M784	24M786	24M777	24M779	24M788	24M782	24M789
	Hastelloy-C	NN	24M785	24M787	24M778	24M780	NN	24M783	24M790
EP3019	SST	24M795	24M798	24M000	24M791	24M793	24M802	24M796	24M803
	Hastelloy-C	NN	24M799	24M801	24M792	24M794	NN	24M797	24M804
EP4025	SST	24M810	24M812	24M813	24M808	24M809	24M814	24M811	24M815
	Hastelloy-C	NN	NN	NN	NN	NN	NN	NN	NN
EP4029	SST	24M820	24M823	24M825	24M816	24M818	24M827	24M821	24M828
	Hastelloy-C	NN	24M824	24M826	24M817	24M819	NN	24M822	24M829

To mount a non-Graco motor and gearbox to a bare EP Hose Pump

EP Series Pump Size	Hollow Bore Shaft Diameter A	Bolt Circle Diameter B	Flange Pilot Diameter C	Mounting Hole Thread Size D
EP2	20 mm	100 mm	80 mm	M6
EP3	30 mm	130 mm	110 mm	M8
EP4	35 mm	165 mm	130 mm	M10



Watson-Marlow Ordering & Configuration Information

Graco No.	Watson-Marlow Brendel Pump	Inner Layer Material	Inner Diameter
24M613	SP10/SPX10	Natural Rubber (NR)	10 mm
24M614	SP10/SPX10	Ethylene propylene (EPDM)	10 mm
24M615	SP15/SPX15	NR	15 mm
24M616	SP15/SPX15	EPDM	15 mm
24M617	SP20/SPX20	NR	20 mm
24M618	SP25/SPX25	NR	25 mm
24M619	SP32/SPX32	NR	32 mm
24M620	SP40/SPX40	NR	40 mm
24M621	SP50/SPX50	NR	50 mm
24M622	SP65/SPX65	NR	65 mm

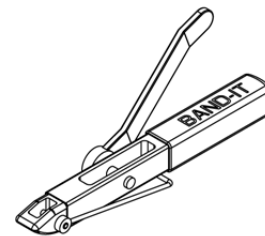
Accessories

Hose Pump Lubricant

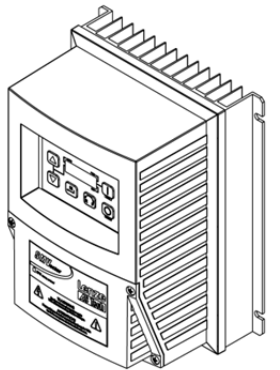
Part No.	Description
24K692	Glycerin Based Hose Lube 0,95 Liter (1 quart)
24K694	Glycerin Based Hose Lube 3,8 Liter (1 gallon)
24M435	Glycerin Based Hose Lube 208 Liter (55gallon)

Tools

Part No.	Description
24L497	Band it Clamp Tool

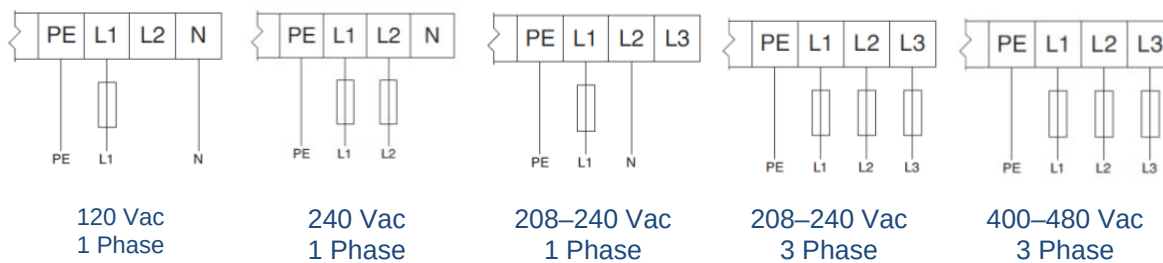


VFDs (Variable Frequency Drives)



Part No.	Voltage (input)	Phases	Power HP (KW)	Used with Pump
16K905	120V or 230V	1	0,5HP (0,368 KW)	EP2006
16K906	230V	1 or 3		
16K907	120V or 230V	1	1HP (0,735KW)	EP2010, EP2013
16K908	240V	1 or 3		
16K909	120V or 230V	1	1,5HP (1,1 KW)	EP3016, EP3019
16K910	230V	1 or 3		
16K911	230V	1 or 3	2HP (1,47KW)	EP4025, EP4029
16K912	400V	3		

Installation VDF:



1:1 FAST- BALL PUMPS FOR OIL



222051
(universal)



222602
(200 l)



239702
(200 l)



222104
(1040 l)



222103
(200 l)

Lower and air motor repair kit 247431

Part #	1:1 FAST- BALL PUMPS	Lower size	Max fluid P, bar	Dispense/ Meter kit	Air hose	Manual	DoC/Dol
222051	1:1 Fast Ball pump, universal	193 cc	12.4			307906	191573
222103	1:1 Fast Ball pump, 200 l, bung mounted						191397
222104	1:1 Fast Ball pump, 1040 l, bung mounted						
222602	1:1 Fast Ball pump 200 l, bung mounted	7	7	218115	109125	307637	
239702	1:1 Fast Ball pump, 200 l, bung mounted			239703			

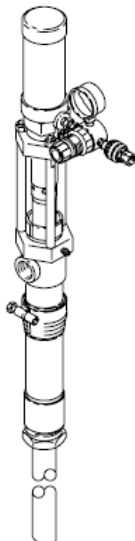
1:1 FAST-FLO PUMPS FOR OIL

Universal



226948
226952
237130
237131
237132
226943
226944
226945

Bung mounted,
variable length



226951

Bung mounted,
drum length



226947
226953
237133
237134
237129
226940
226941
226942

Pressure ratio	1:1
Lower size, cm ³ /cycle	151
Max fluid P, bar	7

2 " NPT bung adapter 214583

Pump manual 307427
Air motor manual 307456

Part #	UNIVERSAL PUMPS	Application	Packings	Lower repair kit	Air regulator	DoC/Dol
226948	1:1 Fast-Flo, universal	Oil	Rubber	218112		190853
226952	1:1 Fast-Flo, SS, universal	Oil	Rubber			
237130	1:1 Fast-Flo, universal	Oil	Leather	213012		199108
237131	1:1 Fast-Flo, universal	Oil	PTFE	213013		
237132	1:1 Fast-Flo, SS, universal	Oil	PTFE			
226943	1:1 Fast-Flo, universal	Oil	Leather	213012		199112
226944	1:1 Fast-Flo, universal	Oil	Polyethylene	215964		199108
226945	1:1 Fast-Flo, SS, universal	Antifreeze/windsh. wash	Polvethylene			

Part #	VARIABLE LENGTH PUMPS	Application	Packings	Lower repair kit	Air regulator	DoC/Dol
226951	1:1 Fast-Flo, bung mount., variab. length	Oil	Rubber	218112	218316	190853

Part #	DRUM LENGTH PUMPS	Application	Packings	Lower repair kit	Air regulator	DoC/Dol
226947	1:1 Fast-Flo, bung mounted, 200 l	Oil	Rubber	218112		190853
226953	1:1 Fast-Flo, SS, bung mounted, 200 l	Oil	Rubber			
237133	1:1 Fast-Flo, bung mounted, 200 l	Oil	Leather	213012		199112
237134	1:1 Fast-Flo, bung mounted, 200 l	Oil	PTFE	213013		
237129	1:1 Fast-Flo, SS, bung mounted, 200 l	Oil	PTFE			
226940	1:1 Fast-Flo, bung mounted, 200 l	Oil	Leather/PTFE	213012		
226941	1:1 Fast-Flo, bung mounted, 200 l	Oil	Polyethylene/UHMWPE	215964		
226942	1:1 Fast-Flo, SS, bung mounted, 200 l	Antifreeze/windsh. wash	Polyethylene/UHMWPE			

3:1 MINI FIRE-BALL 225 PUMPS AND PACKAGES FOR OIL

Bare pump



248097
246775

Universal



248230

Bung mounted



246907
24M264

Cover mounted

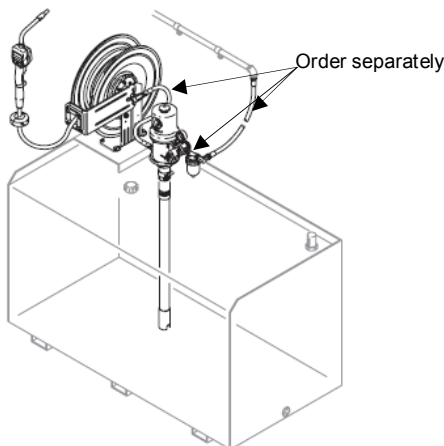


246906
24M263
246904
24M262

Portable



246903



Pressure ratio	3:1
Lower size, cm ³ /cycle	87
Max fluid P, bar	37

Lower and air motor repair kit 246918

Part #	3:1 MINI FIRE BALL 225 PUMPS	Bare pump	Hose kit/ Hose reel	Air Kit	Cover	Base/ Meter	CE inst. kit	Manual	DoC/Dol
246775	3:1 Mini FB 225 pump, short	bare						309868	199118
248097	3:1 Mini FB 225 pump, variab. length								
248230	3:1 Mini FB 225 package, universal	246775	222062						
246907	3:1 Mini FB 225 bung mounted package, 200 l	248097	222063					307883	194225
24M264	3:1 Mini FB 225 bung mounted package, 200 l, CE						24M266		
246906	3:1 Mini FB 225 cover mounted package, 200 l				200326				
24M263	3:1 Mini FB 225 cover mounted package, 200 l, CE						24M266		
246904	3:1 Mini FB 225 cover mounted package, 60 l							307884	194225
24M262	3:1 Mini FB 225 cover mounted package, 60 l, CE						24M266		
246903	3:1 Mini FB 225 portable package		237075		204574	203622			
248623*	3:1 Mini FB 225 dispense package with 15m reel & meter		HPM65B						
248622*	3:1 Mini FB 225 dispense package with 7.5m reel & meter		HPM33B			256215			

* Order hose reel inlet kit 218549 separately

50:1 MINI FIRE-BALL 225 PUMPS AND PACKAGES FOR GREASE

Bare pump



246909
246780
246781

Stationary package



246917
253390

Portable package with cart



246916
253389

Portable package with caster base



246915
253388

Stationary package



246914
253387

On-cart pail dispenser



246913
253386
246911 (no cart)
253385 (no cart)

Stationary pail dispenser



246910
253384

Pressure ratio	50:1
Lower size, g/cycle	4
Max fluid P, bar	580

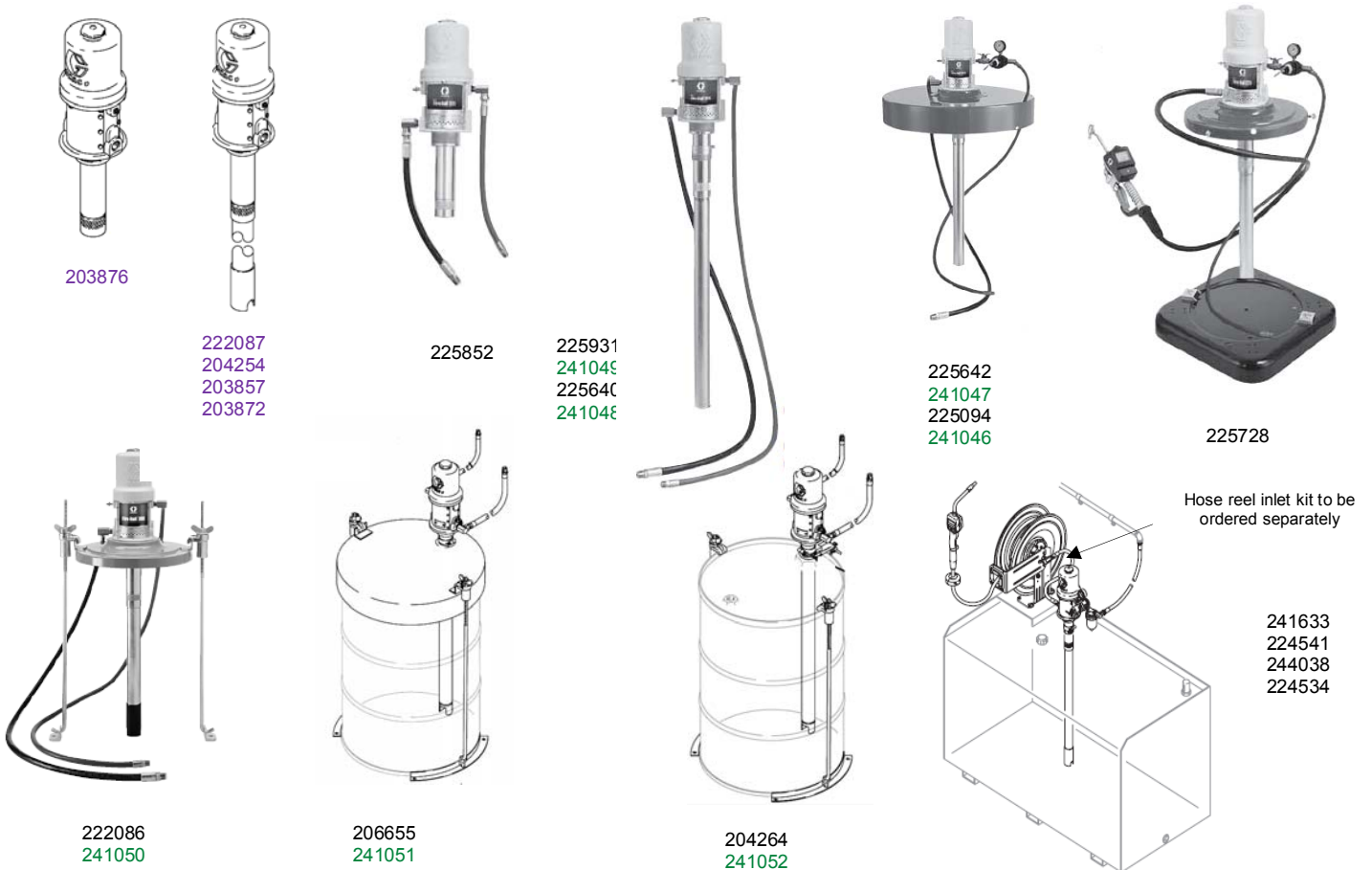
Lower repair kit 246920
Air motor repair kit 246919

Manual for pumps 309966
Manual for packages 309967

Part #	50:1 FIRE BALL 225 PUMPS	Bare pump	Hose kit	Follow	Cover	Disp. kit	CE inst. kit	Cart/base	Pail	DoC/Dol
246909	50:1 Mini FB 225 pump, 16 kg pail	bare								199190
246780	50:1 Mini FB 225 pump, 55 kg drum									
246781	50:1 Mini FB 225 pump, 180 kg drum									
246917	50:1 Mini FB 225 package, 180 kg, station.	246781	222072	223845	200326					199193
253390	50:1 MiniFB 225 package, 180 kg, station.						240979			
246916	50:1 Mini FB 225 package, 55 kg, cart							203650		
253389	50:1 Mini FB 225 package, 55 kg, cart	246780				236058	240979	203660		199193
246915	50:1 Mini FB 225 package, 55 kg, c/base						240979	203622		
253388	50:1 Mini FB 225 package, 55 kg, c/base						240979			
246914	50:1 Mini FB 225 package, 55 kg, station.	246909	222072		204574					199193
253387	50:1 Mini FB 225 package, 55 kg, station.						240979			
246913	50:1 Mini FB 225 package, cart, 16 kg pail							203650		
253386	50:1 Mini FB 225 package, cart, 16 kg pail	246909				236058	240979		204134	199193
246911	50:1 Mini FB 225 package, station, 16 kg pail						240979			
253385	50:1 Mini FB 225 package, station, 16 kg pail						240979			
246910	50:1 Mini FB 225 package, station, 16 kg no pail									199193
253384	50:1 Mini FB 225 package, station, 16 kg no pail			220653	222059		240979			



5:1 FIRE-BALL 300 PUMPS AND PACKAGES FOR OIL



Lower and air motor repair kit 238286

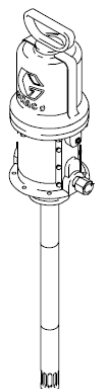
Pressure ratio	5:1
Lower size, cm ³ /cycle	146
Max fluid P, bar	62

Part #	5:1 FIRE BALL 300 PUMPS	Bare pump	Hose kit/ hose reel	Air kit / CE kit	Cover/ air hose	Base/ Meter	Hold down kit	Manual	DoC/ Dol
203876	5:1 FB 300 pump, short	bare						306518	190589
222087	5:1 FB 300 bung mounted pump, 1040 l container								
204254	5:1 FB 300 bung mounted pump , 200 l drum								
203857	5:1 FB 300 cover mounted pump, 200 l drum								
203872	5:1 FB 300 cover mounted pump, 60 l drum								
225852	5:1 FB 30 package, universal supply	203876	222062					306520	
225931	5:1 FB 300 bung mounted package , 1040 l container	222087	222063					307883	194225
241049	5:1 FB 300 bung mounted package , 1040 l container, CE	204254							
225640	5:1 FB 300 bung mounted package, 200 l drum			241169					
241048	5:1 FB 300 bung mounted package, 200 l drum, CE			224512	200326				
225642	5:1 FB 300, cover mouted package, 200 l drum	203857		241169					194225
241047	5:1 FB 300, cover mouted package, 200 l drum, CE			224512					
225094	5:1 FB 300 cover mounted package, 60 l drum			241169	204574				194225
241046	5:1 FB 300 cover mounted package, 60 l drum, CE	203872							
225728	5:1 FB 300 portable package, 60 l drum		237075	224512		203622		307884	
222086	5:1 FB 300 cover mount. package with h/d kit, 60 l drum	222063		222060		222061	307883	194225	
241050	5:1 FB 300 cov. mount. pack. with h/d kit, 60 l drum, CE								
206655	5:1 FB 300 cover mount. package with h/d kit, 200 l drum	203857	222063		207367		207361	307883	
241051	5:1 FB 300 cov. mount. pack. with h/d kit, 200 l drum, CE		241169						
204264	5:1 FB 300 bung mount. package with h/d kit, 200 l drum	204254	222063						
241052	5:1 FB 300 bung mount. pack. with h/d kit, 200 l drum, CE		241169						
241633*	5:1 FB 300 dispense package with 7.5 m reel & meter	203876	HPM33B	109075		255350			
224541*	5:1 FB 300 dispense package with 15 m reel & meter				220598	255200			
244038*	5:1 FB 300 dispense package with 15 m reel & meter		HPM65B			222063	255350		
224534*	5:1 FB 300 dispense package with 15 m reel & meter**								

* Order hose reel inlet kit 218549 separately

** Also includes air filter 106148, darin valve 106151 and thermal relief valve 237893

15:1 FIRE- BALL 300 PUMPS AND PACKAGES FOR GREASE AND UNDERCOATING



206405
206699
206700



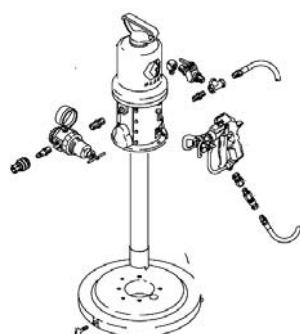
222078
241043



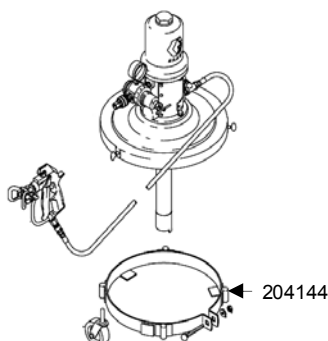
220170
241044



220171
241945



222077



226342



226269



224826

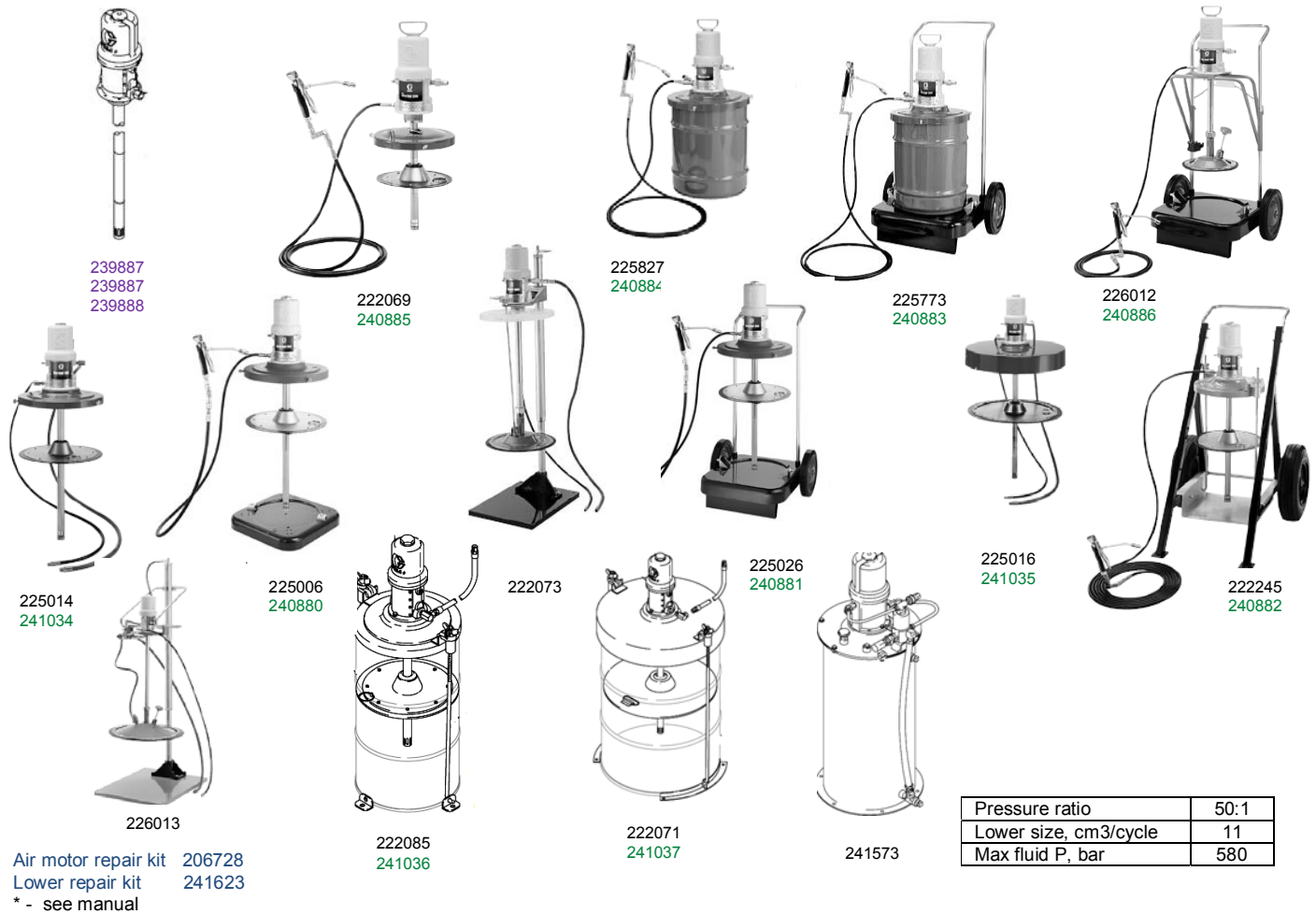
Lower repair kit 206925
Air motor repair kit 206728

Pressure ratio	15:1
Lower size, cm ³ /cycle	41
Max fluid P, bar	186

Part #	15:1 FB 300 GREASE PACKAGES	Bare pump	Hose	Air regul./ CE kit	Disp. valve	Cover	Manual	DoC/Dol
206405	15:1 FB 300 pump,16 kg pail length	bare					306531	190590
206699	15:1 FB 300 pump,55 kg drum length							
206700	15:1 FB 300 pump,180 kg drum length							
222078	15:1 FB 300 cover mounted package, 16 kg pail	206405	109165	110234	242056	222058	307882	
241043	15:1 FB 300 cover mounted package, 16 kg pail, CE			241168				194225
220170	15:1 FB 300 cover mounted package, 55 kg drum	206699	109167	110234		204574		
241044	15:1 FB 300 cover mounted package, 55 kg drum, CE			241168				194225
220171	15:1 FB 300 cover mounted package, 180 kg drum	206700		110234		200326		
241945	15:1 FB 300 cover mounted package,180 kg drum, CE			241168			194225	

Part #	15:1 FB 300 UNDERCOATING PACKAGES	Bare pump	Hose	Air regulator	Gun	Cover	Manual	DoC/Dol
222077	Portable undercoating package (16 kg)	206405	109165	110234	242056	222058	307879	
226342	Portable dolly mounted undercoating package, 55 kg	206699	109165	110234	234237	204574		
226269	Stationary cover mounted undercoating package, 180 kg	206700	109167	110234	234237	200326		
224826	Bung mounted							

50:1 FIRE- BALL 300 PUMPS AND PACKAGES FOR GREASE



Part #	50:1 FIRE BALL 300	Bare pump	Hose (kit)	Disp. valve	Cover	Follow/ Induct.	Pail/ Elevat.	Cart/ base	CE inst. kit/ HD kit	Manual	DoC / Dol			
239877	50:1 FB 300 pump, 16 kg pail	bare								308883	195303			
239887	50:1 FB 300 pump, 55 kg drum													
239888	50:1 FB 300 pump, 180 kg drum													
222069	cover mounted package for 16 kg pail	239877	109151	242056	222059	220653				308878				
240885	cover mounted package for 16 kg pail, CE							240831			193732			
225827	16 kg pail mounted package				204574	204134								
240884	16 kg pail mounted package, CE								240831			193732		
225773	16 kg pail mounted package with cart													
240883	16 kg pail mounted package with cart, CE								240831			193732		
226012	package for 16 kg pail with cart & elevator													
240886	package for 16 kg pail with cart & elev., CE					204351	203664		240831			193732		
225014	55 kg drum cover mounted package				239887	222072	204574	220654					241072	307880
241034	55 kg drum cover mounted package, CE													
225006	55 kg cover mounted package with base	108151	242056	203622						240831	307878		193732	
240880	55 kg cover mounted package w. base, CE													
225026	55 kg pail mounted package with cart	109154		222060		203650						240831		193732
240881	55 kg pail mounted package with cart													
222245	55 kg pail mounted package with cart					222243								
240882	55 kg pail mounted package with cart, CE											240831		193732
222073	55 kg topper package with base & elevator		*			204739	204195	204121	*		306523			
222085	55 kg cover mounted package with h/d kit	222072				222060	220654			222061	307880			
241036	55 kg cover mounted pack. with h/d kit CE									241072		194031		
225016	180 kg drum cover mounted package	239888	222072		200326	223845				241072	307880	194131		
241035	180 kg drum cover mounted package, CE		204467			204353	204385	205339		306556				
226013	180 kg drum topper package													
222071	180 kg cover mounted package with h/d kit		222072			207366	223845			207361	307880			
241037	180 kg cover mount. package with h/d kit, CE									241072/ 207361		194131		
			Reservoir assy		Vent valve assy									
241573	Package with 41 kg reservoir for injectors	239887	241486		241572						308955			

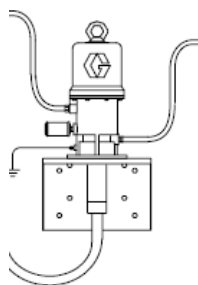
3:1, 6:1, 10:1 FIRE-BALL 425 PUMPS AND PACKAGES FOR OIL



237526
238108
205626



225853



244846
244628
244847



222095 bare
225786 w/o h/d kit
241055 w/o h/d kit
222067 with h/d kit
241057 with h/d kit



225782
241054



222065 bare

206656
241056

Pressure ratio	3:1	6:1	10:1
Lower size, cm ³ /cycle	625	312	192
Max fluid P, bar	37	76	124

Lower repair kit 237602
Air motor repair kit 207385

Part #	3:1 FIRE BALL 425 PUMPS	Bare pump	Hose kit	FRL	Ball valve	Vented valve	Mount. bracket	Manual	DoC/Dol
237526	3:1 FB 425 pump, short	bare						309869	190596
244846	3:1 FB 425 package wall mounted	237526	222068	217072	108537	110225	238245	309351	

Lower repair kit 238225
Air motor repair kit 207385

Part #	6:1 FIRE BALL 425 PUMPS	Bare pump	Hose kit	FRL	Ball valve	Vented valve	Mount. bracket	Manual	DoC/Dol
238108	6:1 FB 425 pump, short	bare						308608	191076
244628	6:1 FB 425 package, wall mounted	238108	222068	217072	108357	110225	238245	309351	

Lower and air motor repair kit 238751

Part #	10:1 FIRE BALL 425 PUMPS AND PACK's	Bare pump	Hose kit	FRL / cover	Ball valve	Vent valve/ CE Kit	Mount./ HD kit	Manual	DoC/Dol
205626	10:1 FB 425 pump, short	bare						308655	190525
225095	10:1 FB 425 bung mounted pump, 200 l								
222065	10:1 FB 425 cover mounted pump, 200 l								
225853	10:1 FB 425 package, universal	205626	222068					309351	
244847	10:1 FB 425 package, wall mounted			217072	108537	110225	238245		
225786	10:1 FB 425 bung mounted. package, 200 l	222095	222066					307883	194225
241055	10:1 FB 425 bung mounted. package, 200 l, CE					241170			
225782	10:1 FB 425 cover mounted package, 200 l	222065	222066	200326		241170		307883	194225
241054	10:1 FB 425 cover mounted package, 200 l, CE					241170			
206656	10:1 FB 425 cov. mount. pack. with h/d kit 200 l	222095	222066	207367		241170		207361	194225
241056	10:1 FB 425 cov. mount. pack. with h/d kit 200 l, CE					241170			
222067	10:1 FB 425 pack., 200 l open drum with h/d kit	222095	222066			241170		207361	194225
241057	10:1 FB 425 pack. 200 l open drum with h/d kit, CE					241170			

10:1, 50:1 AND 75:1 FIRE- BALL 425 PUMPS AND PACKAGES FOR GREASE



965124
965129



205394
205395
239729
239730
239731



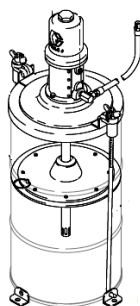
223108
241039
244635
24M271



225781
241040
244636
24M272



226018
244637



223107
243817



222075
241042
243818
24M274

Pressure ratio	10:1	50:1	75:1
Lower size, cm ³ /cycle	167	32	22
Max fluid P, bar	124	350	517

Part #	10:1 FIRE BALL 425	Bare Pump	Hose kit	Cover	Follow/ Induct.	Elevat.	Base/ h/d kit	CE inst. kit	Manual	DoC/Dol
965124	10:1 FB 425 pump, 55 kg drum length	bare								
965129	50:1 FB 425 pump, 180 kg drum length								309407	199049

Part #	50:1 FIRE BALL 425	Bare pump	Hose kit	Cover	Follow/ Induct.	Elevat.	Base/ h/d kit	CE inst. kit	Manual	DoC/Dol
205394	50:1 FB 425 pump, 55 kg drum length	bare								
205395	50:1 FB 425 pump, 180 kg drum length								306674	190594
223108	55 kg drum cover mouned package	205394	222076	204574	223344				307880	
241039	55 kg drum cover mouned package, CE							241073		194131
223107	55 kg drum cover mounted package with h/d kit*			222060						
241041	55 kg drum cover mount. pack. with h/d kit*, CE						222061	241073		194131
225781	180 kg drum cover mounted package	205395	205102	200326	223846			241073		194131
241040	180 kg drum cover mounted package, CE									
226018	180 kg drum topper package				205699	204385	205339		306556	
222075	180 kg drum cover mounted package with h/d kit									
241042	180 kg drum cover mount.pack. with h/d kit, CE			207366	223846		207361	241073	307880	194131

Part #	75:1 FIRE BALL 425	Bare pump	Hose kit	Cover	Follow/ Induct.	Elevat.	Base/ h/d kit	CE inst. kit	Manual	DoC/Dol
239731	75:1 FB 425 pump, short	bare								
239729	75:1 FB 425 pump, 55 kg drum length								308777	192433
239730	75:1 FB 425 pump, 180 kg drum length									
244635	55 kg drum cover mounted package	239729	222076	204574	223344				307880	
24M271	55 kg drum cover mounted package, CE							24M270		194131
243817	55 drum cover mounted package with h/d* kit			222060						
24M273	55 drum cover mounted pack. with h/d* kit, CE						222061	24M270		194131
244636	180 kg drum cover mounted package	239730	205102	200326	223846			24M270		194131
24M272	180 kg drum cover mounted package, CE									
244637	180 kg drum topper package				205699	204385	205339		306556	
243818	180 drum cover mounted package with h/d* kit									
24M274	180 drum cover mount. pack. with h/d* kit, CE			207366	223846	207361		24M270	307880	194131

* - h/d kit – hold down kit

3:1 AND 5:1 LD PUMPS FOR OIL



3:1 and 5:1
universal



3:1 and 5:1
multi/drum/tote



Pressure ratio	3:1	5:1
Lower size, cm ³ /cycle	131	102
Max fluid P, bar	31	52

See manual for repair kits

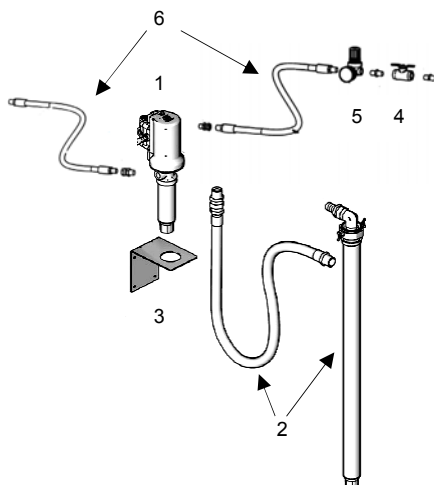
Manual 3A1334

Part #	3:1 LD PUMPS	Bare pump	Air inlet	Fluid inlet	Fluid outlet	Bung adapter	Down tube	Atex	DoC/Dol
24G576	3:1 LD pumps, universal	bare	1/4"-18 NPT	1"-11.5 NPT	1/2"-14 NPT	24F918		Ex II/2 Gc T6	199391
24G577	3:1 LD pumps, universal		1/4"-19 BSPP	1"-11 BSPP	1/2"-14 BSPP				
24G578	3:1 LD pumps, universal		1/4"-19 BSPT	1"-11 BSPT	1/2"-14 BSPT				
24G579	3:1 LD pump, multilength	24G576	See 24G576				16F878		
24G580	3:1 LD pump, multilength	24G577	See 24G577				16F948		
24G581	3:1 LD pump, multilength	24G578	See 24G578				16F949		
24G582	3:1 LD pump,200 l drum	24G576	See 24G576				16F886		
24G583	3:1 LD pump,200 l drum	24G577	See 24G577				16F950		
24G584	3:1 LD pump,200 l drum	24G578	See 24G578				16F951		
24G585	3:1 LD pump, 1040 l cont.	24G576	See 24G576				16F885		
24G586	3:1 LD pump, 1040 l cont.	24G577	See 24G577				16F962		
24G587	3:1 LD pump, 1040 l cont.	24G578	See 24G578				16F963		

Part #	5:1 LD PUMPS	Bare pump	Air inlet	Fluid inlet	Fluid outlet	Bung adapter	Down tube	Atex	DoC/Dol
24G588	5:1 LD pumps, universal	bare	1/4"-18 NPT	1"-11.5 NPT	1/2"-14 NPT	24F918		Ex II Gc T6	199391
24G589	5:1 LD pumps, universal		1/4"-19 BSPP	1"-11 BSPP	1/2"-14 BSPP				
24G590	5:1 LD pumps, universal		1/4"-19 BSPT	1"-11 BSPT	1/2"-14 BSPT				
24G591	5:1 LD pump, multilength	24G588	See 24G588				16F878		
24G592	5:1 LD pump, multilength	24G589	See 24G589				16F948		
24G593	5:1 LD pump, multilength	24G590	See 24G590				16F949		
24G594	5:1 LD pump,200 l drum	24G588	See 24G588				16F886		
24G595	5:1 LD pump,200 l drum	24G589	See 24G589				16F950		
24G596	5:1 LD pump,200 l drum	24G590	See 24G590				16F951		
24G597	5:1 LD pump, 1040 l cont.	24G588	See 24G588				16F885		
24G598	5:1 LD pump, 1040 l cont.	24G589	See 24G589				16F962		
24G599	5:1 LD pump, 1040 l cont.	24G590	See 24G590				16F963		



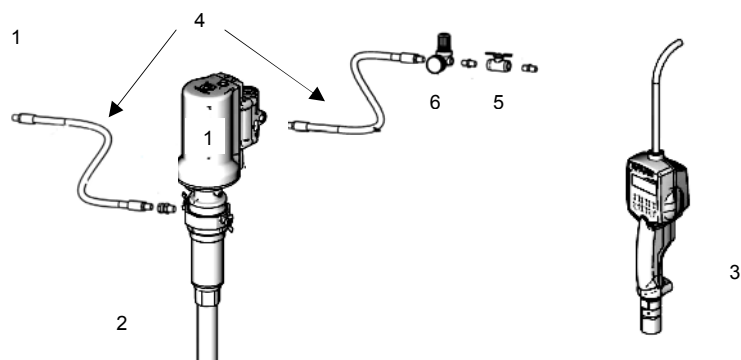
3:1 AND 5:1 WALL MOUNTED LD PACKAGES FOR OIL



Part #	3:1 WALL PACKAGES	Pump (1)	Fluid outlet	Suction kit (2)	Wall bracket (3)	Vented valve (4)	Air regulator (5)	Oil/air hose kit (6)	Manual	DoC/Dol
24H689	3:1 LD package for 200 l drum	24G576	NPT	24F935	24F910				3A1335	199389
24H690	3:1 LD package for 200 l drum	24G577	BSPP	24F936						
24H691	3:1 LD package for 200 l drum	24G578	BSPT	24F937						
24H692	3:1 LD package for 200 l drum	24G576	NPT	24F935		110223	24H420			
24H693	3:1 LD package for 200 l drum	24G577	BSPP	24F936		125041	24H419			
24H694	3:1 LD package for 200 l drum	24G578	BSPT	24F937						
24H695	3:1 LD package for 1040 l cont.	24G576	NPT	24H666				24H859		199389
24H696	3:1 LD package for 1040 l cont.	24G577	BSPP	24H667				24H861		
24H697	3:1 LD package for 1040 l cont.	24G578	BSPT	24H668				24H860		
24H698	3:1 LD package for 1040 l cont.	24G576	NPT	24H666		110223	24H420	24H608		
24H699	3:1 LD package for 1040 l cont.	24G577	BSPP	24H667		125041	24H419	24H610		199389
24H700	3:1 LD package for 1040 l cont.	24G578	BSPT	24H668				24H609		

Part #	5:1 WALL PACKAGES	Pump (1)	Fluid outlet	Suction Kit (2)	Wall bracket (3)	Vented valve(4)	Air regulator (5)	Oil/air hose kit (6)	Manual	DoC/Dol
24H836	5:1 LD package for 200 l drum	24G588	NPT	24F935	24F910				3A1335	199389
24H837	5:1 LD package for 200 l drum	24G589	BSPP	24F936						
24H838	5:1 LD package for 200 l drum	24G590	BSPT	24F937						
24H839	5:1 LD package for 200 l drum	24G588	NPT	24F935		110223	24H420			
24H840	5:1 LD package for 200 l drum	24G589	BSPP	24F936		125041	24H419			
24H841	5:1 LD package for 200 l drum	24G590	BSPT	24F937						
24H842	5:1 LD package for 1040 l cont.	24G588	NPT	24H666				24H859		199389
24H843	5:1 LD package for 1040 l cont.	24G589	BSPP	24H667				24H861		
24H844	5:1 LD package for 1040 l cont.	24G590	BSPT	24H668				24H860		
24H845	5:1 LD package for 1040 l cont.	24G588	NPT	24H666		110223	24H420	24H608		
24H846	5:1 LD package for 1040 l cont.	24G589	BSPP	24H667		125041	24H419	24H610		199389
24H847	5:1 LD package for 1040 l cont.	24G590	BSPT	24H668				24H609		

3:1 AND 5:1 DRUM MOUNTED LD PACKAGES FOR OIL

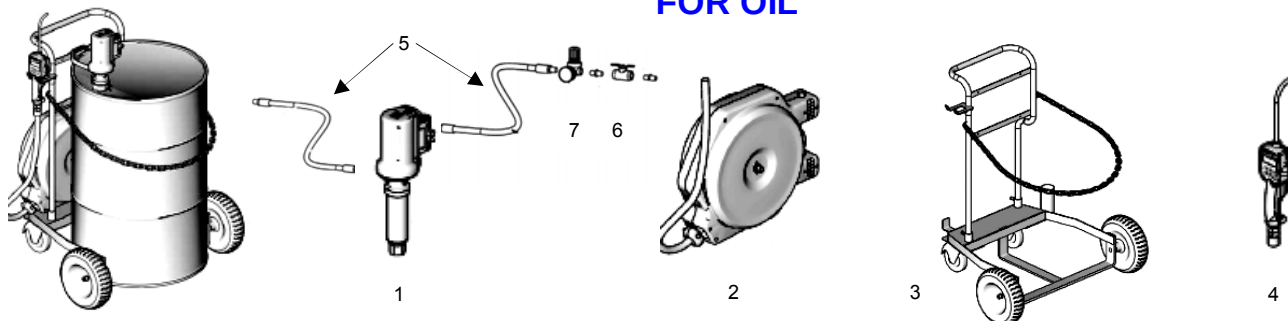


Manual 3A1335

Part #	3:1 PACKAGES	Pump (1)	Fluid outlet	Tube (2)	Meter (3)	Oil/air hose kit (4)	Vented valve (5)	Air regulator (6)	DoC/Dol
24H799	3:1 with LDM5 flex	24G576	NPT	16F878	255751	24H859			
24H800	3:1 with LDM5 ridit				256215				
24H801	3:1 with LDP5 flex				255277				
24H802	3:1 with LDP5 rigit				256216				
24H811	3:1 with LDM5 flex	24G577	BSPP	16F948	255751	24H861	110223	24H420	199389
24H812	3:1 with LDM5 ridit				256215				
24H813	3:1 with LDP5 flex				255277				
24H814	3:1 with LDP5 rigit				256216				
24H803	3:1 with LDM5 flex	24G578	BSPT	16F949	24F887	24H860			
24H804	3:1 with LDM5 ridit				24F888				
24H805	3:1 with LDP5 flex				24F889				
24H806	3:1 with LDP5 rigit				24F890				
24H815	3:1 with LDM5 flex	24G588	NPT	16F878	24F887	24H859			
24H816	3:1 with LDM5 ridit				24F888				
24H817	3:1 with LDP5 flex				24F889				
24H818	3:1 with LDP5 rigit				24F890				
24H807	3:1 with LDM5 flex	24G589	BSPP	16F948	24F887	24H861			
24H808	3:1 with LDM5 ridit				24F888				
24H809	3:1 with LDP5 flex				24F889				
24H810	3:1 with LDP5 rigit				24F890				
24H819	3:1 with LDM5 flex	24G590	BSPT	16F949	24F887	24H860			
24H820	3:1 with LDM5 ridit				24F888				
24H821	3:1 with LDP5 flex				24F889				
24H822	3:1 with LDP5 rigit				24F890				
24H964	5:1 with LDM5 flex	24G588	NPT	16F878	255751	24H859			
24H965	5:1 with LDM5 ridit				256215				
24H966	5:1 with LDP5 flex				255277				
24H967	5:1 with LDP5 rigit				256216				
24H976	5:1 with LDM5 flex	24G589	BSPP	16F948	255751	24H861			
24H977	5:1 with LDM5 ridit				256215				
24H978	5:1 with LDP5 flex				255277				
24H979	5:1 with LDP5 rigit				256216				
24H968	5:1 with LDM5 flex	24G590	BSPT	16F949	24F887	24H860			
24H969	5:1 with LDM5 ridit				24F888				
24H970	5:1 with LDP5 flex				24F889				
24H971	5:1 with LDP5 rigit				24F890				
24H980	5:1 with LDM5 flex	24G590	BSPT	16F949	24F887	24H861			
24H981	5:1 with LDM5 ridit				24F888				
24H982	5:1 with LDP5 flex				24F889				
24H983	5:1 with LDP5 rigit				24F890				
24H972	5:1 with LDM5 flex	24G590	BSPT	16F949	24F881	24H860			
24H973	5:1 with LDM5 ridit				24F882				
24H974	5:1 with LDP5 flex				24F883				
24H975	5:1 with LDP5 rigit				24F884				
24H984	5:1 with LDM5 flex	24G590	BSPT	16F949	24F881	24H861			
24H985	5:1 with LDM5 ridit				24F882				
24H986	5:1 with LDP5 flex				24F883				
24H987	5:1 with LDP5 rigit				24F884				



3:1 CART MOUNTED LD PACKAGES FOR OIL



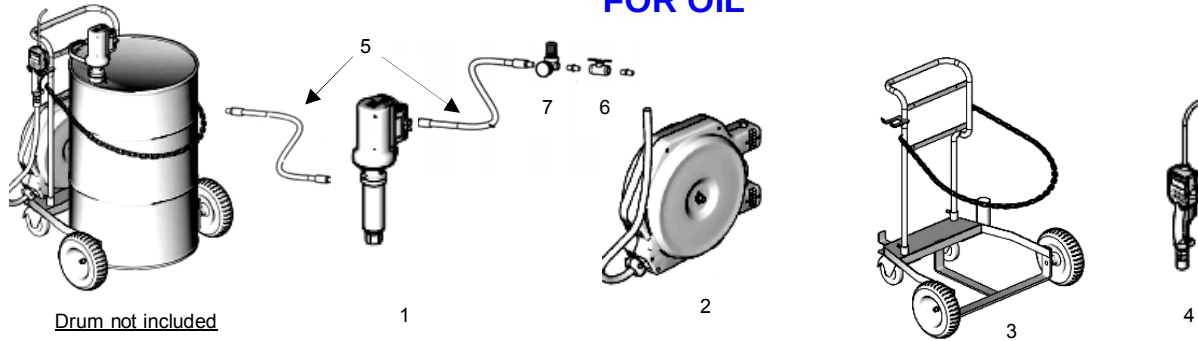
Drum not included

Manual 3A1335

Part #	3:1 FULL PACKAGES	Pump (1)	Fluid outlet	Tube *	Hose reel (2)	Cart (3)	Meter (4)	Oil/air hose kit (5)	Vented valve (6)	Air regulator (7)
24H750	3:1 with LDM5 flex	24G576	NPT	16F886	24H622	24F915	255751	24J495		
24H751	3:1 with LDM5 ridit						256215			
24H752	3:1 with LDP5 flex						255277			
24H753	3:1 with LDP5 rigit						256216			
24H762	3:1 with LDM5 flex						255751	24J492	110223	24H420
24H763	3:1 with LDM5 ridit						256215			
24H764	3:1 with LDP5 flex						255277			
24H765	3:1 with LDP5 rigit						256216			
24H754	3:1 with LDM5 flex	24G577	BSPP	16F950	24J133		24F887	24J496		
24H755	3:1 with LDM5 ridit						24F888			
24H756	3:1 with LDP5 flex						24F889			
24H757	3:1 with LDP5 rigit						24F890			
24H766	3:1 with LDM5 flex						24F887	24J493	125041	24H419
24H767	3:1 with LDM5 ridit						24F888			
24H768	3:1 with LDP5 flex						24F889			
24H769	3:1 with LDP5 rigit						24F890			
24H758	3:1 with LDM5 flex	24G578	BSPT	16F951	24F796	24F881	24J497			
24H759	3:1 with LDM5 ridit					24F882				
24H760	3:1 with LDP5 flex					24F883				
24H761	3:1 with LDP5 rigit					24F884				
24H770	3:1 with LDM5 flex					24F881	24J494	125041	24H419	
24H771	3:1 with LDM5 ridit					24F882				
24H772	3:1 with LDP5 flex					24F883				
24H773	3:1 with LDP5 rigit					24F884				
	3:1 NO REEL PACKAGES									
24H774	3:1 with LDM5 flex	24G576	NPT	16F886		24F915	255751	24J495		
24H775	3:1 with LDM5 ridit						256215			
24H776	3:1 with LDP5 flex						255277			
24H777	3:1 with LDP5 rigit						256216			
24H786	3:1 with LDM5 flex						255751	24J492	110223	24H420
24H787	3:1 with LDM5 ridit						256215			
24H788	3:1 with LDP5 flex						255277			
24H789	3:1 with LDP5 rigit						256216			
24H778	3:1 with LDM5 flex	24G577	BSPP	16F950			24F887	24J496		
24H779	3:1 with LDM5 ridit						24F888			
24H780	3:1 with LDP5 flex						24F889			
24H781	3:1 with LDP5 rigit						24F890			
24H790	3:1 with LDM5 flex						24F887	24J493	125041	24H419
24H791	3:1 with LDM5 ridit						24F888			
24H792	3:1 with LDP5 flex						24F889			
24H793	3:1 with LDP5 rigit						24F890			
24H782	3:1 with LDM5 flex	24G578	BSPT	16F951	24F881	24H497				
24H783	3:1 with LDM5 ridit				24F882					
24H784	3:1 with LDP5 flex				24F883					
24H785	3:1 with LDP5 rigit				24F884					
24H794	3:1 with LDM5 flex				24F881	24J494	125041	24H419		
24H795	3:1 with LDM5 ridit				24F882					
24H796	3:1 with LDP5 flex				24F883					
24H797	3:1 with LDP5 rigit				24F884					

Parts in green are CE marked, see 199389

5:1 CART MOUNTED LD PACKAGES FOR OIL



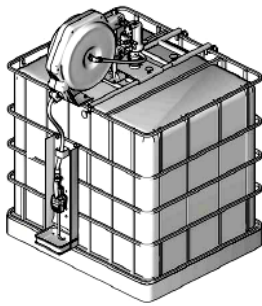
Manual 3A1335

Part #	5:1 FULL PACKAGES	Pump (1)	Fluid outlet	Tube *	Hose reel (2)	Cart (3)	Meter (4)	Oil/air hose kit (5)	Vented valve (6)	Air regulator (7)
24H915	5:1 with LDM5 flex	24G588	NPT	16F886	24H622	24F915	255751	24J495		
24H916	5:1 with LDM5 ridit						256215			
24H917	5:1 with LDP5 flex						255277			
24H918	5:1 with LDP5 rigit						256216	24J492	110223	24H420
24H927	5:1 with LDM5 flex						255751			
24H928	5:1 with LDM5 ridit						256215			
24H929	5:1 with LDP5 flex	255277	24J496							
24H930	5:1 with LDP5 rigit	256216								
24H919	5:1 with LDM5 flex	24F887								
24H920	5:1 with LDM5 ridit	24F888	24J493	125041	24H419					
24H921	5:1 with LDP5 flex	24F889								
24H922	5:1 with LDP5 rigit	24F890								
24H931	5:1 with LDM5 flex	24F887	24J497							
24H932	5:1 with LDM5 ridit	24F888								
24H933	5:1 with LDP5 flex	24F889								
24H934	5:1 with LDP5 rigit	24F890	24J494	125041	24H419					
24H923	5:1 with LDM5 flex	24F881								
24H924	5:1 with LDM5 ridit	24F882								
24H925	5:1 with LDP5 flex	24F883	24H497							
24H926	5:1 with LDP5 rigit	24F884								
24H935	5:1 with LDM5 flex	24F881								
24H936	5:1 with LDM5 ridit	24F882	24J494	125041	24H419					
24H937	5:1 with LDP5 flex	24F883								
24H938	5:1 with LDP5 rigit	24F884								
	5:1 NO REEL PACKAGES									
24H940	5:1 with LDM5 flex	24G588	NPT	16F886	24F915	255751	24J495			
24H941	5:1 with LDM5 ridit					256215				
24H942	5:1 with LDP5 flex					255277				
24H943	5:1 with LDP5 rigit					256216	24J492	110223	24H420	
24H952	5:1 with LDM5 flex					255751				
24H953	5:1 with LDM5 ridit					256215				
24H954	5:1 with LDP5 flex	255277	24J496							
24H955	5:1 with LDP5 rigit	256216								
24H944	5:1 with LDM5 flex	24F887								
24H945	5:1 with LDM5 ridit	24F888	24J493	125041		24H419				
24H946	5:1 with LDP5 flex	24F889								
24H947	5:1 with LDP5 rigit	24F890								
24H956	5:1 with LDM5 flex	24F887	24H497							
24H957	5:1 with LDM5 ridit	24F888								
24H958	5:1 with LDP5 flex	24F889								
24H959	5:1 with LDP5 rigit	24F890	24J494	125041		24H419				
24H948	5:1 with LDM5 flex	24F881								
24H949	5:1 with LDM5 ridit	24F882								
24H950	5:1 with LDP5 flex	24F883	24H497							
24H951	5:1 with LDP5 rigit	24F884								
24H960	5:1 with LDM5 flex	24F881								
24H961	5:1 with LDM5 ridit	24F882	24J494	125041	24H419					
24H962	5:1 with LDP5 flex	24F883								
24H963	5:1 with LDP5 rigit	24F884								

* not shown

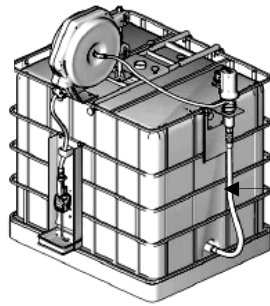
Parts in green are CE marked, see 199389

3:1 TOTE MOUNTED LD PACKAGES FOR OIL

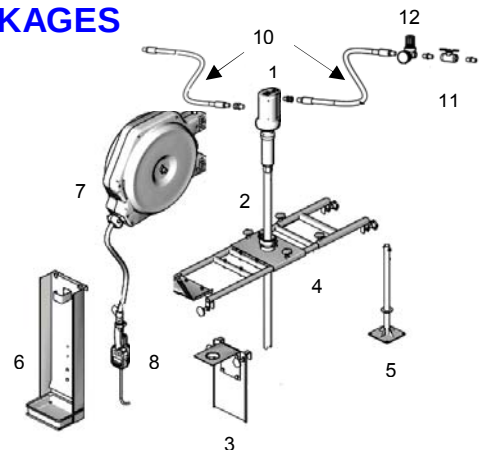


Top mounted

Totes not included



Side mounted



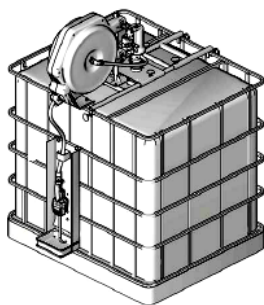
Manual 3A1335

Part #	3:1 TOP PACKAGES	Pump (1)	Fluid outlet	Tube (2)	Pump bracket (3)	Top bracket (4)	Reel bracket (5)	Meter Tray (6)	Hose reel (7)	Meter (8)	Suction Hose (9)	Oil/air hose kit (10)	Vented valve (11)	Air regulator (12)
24H701	3:1 with LDM5 flex	24G576	NPT	16F885		24F930	24F932	24F914	24H622	255751		24J495		
24H702	3:1 with LDM5 ridit									256215				
24H703	3:1 with LDP5 flex									255277				
24H704	3:1 with LDP5 rigit									256216				
24H713	3:1 with LDM5 flex									255751				
24H714	3:1 with LDM5 ridit									256215		24J492	110223	24H420
24H715	3:1 with LDP5 flex									255277				
24H716	3:1 with LDP5 rigit									256216				
24H705	3:1 with LDM5 flex	24G577	BSPP	16F962					24J133	24F887		24J496		
24H706	3:1 with LDM5 ridit									24F888				
24H707	3:1 with LDP5 flex									24F889				
24H708	3:1 with LDP5 rigit									24F890				
24H717	3:1 with LDM5 flex									24F887				
24H718	3:1 with LDM5 ridit									24F888		24J493	125041	24H419
24H719	3:1 with LDP5 flex									24F889				
24H720	3:1 with LDP5 rigit									24F890				
24H709	3:1 with LDM5 flex	24G578	BSPT	16F963					24F796	24F881		24J497		
24H710	3:1 with LDM5 ridit									24F882				
24H711	3:1 with LDP5 flex									24F883				
24H712	3:1 with LDP5 rigit									24F884				
24H721	3:1 with LDM5 flex									24F881				
24H722	3:1 with LDM5 ridit									24F882		24J494	125041	24H419
24H723	3:1 with LDP5 flex									24F883				
24H724	3:1 with LDP5 rigit									24F884				
	3:1 SIDE PACKAGES													
24H725	3:1 with LDM5 flex	24G576	NPT		24F920	24F931	24F932	24F914	24H622	255751		24J495		
24H726	3:1 with LDM5 ridit									256215				
24H727	3:1 with LDP5 flex									255277				
24H728	3:1 with LDP5 rigit									256215				
24H737	3:1 with LDM5 flex									255751				
24H738	3:1 with LDM5 ridit									256215				
24H739	3:1 with LDP5 flex	255277												
24H740	3:1 with LDP5 rigit	256215	24H670						24J496					
24H729	3:1 with LDM5 flex	24F887												
24H730	3:1 with LDM5 ridit	24F888												
24H731	3:1 with LDP5 flex	24F889												
24H732	3:1 with LDP5 rigit	24F890												
24H741	3:1 with LDM5 flex	24F887							24J493	125041		24H419		
24H742	3:1 with LDM5 ridit	24F888												
24H743	3:1 with LDP5 flex	24F889												
24H744	3:1 with LDP5 rigit	24F890	24H671						24H497					
24H733	3:1 with LDM5 flex	24F881												
24H734	3:1 with LDM5 ridit	24F882												
24H735	3:1 with LDP5 flex	24F883												
24H736	3:1 with LDP5 rigit	24F884												
24H745	3:1 with LDM5 flex	24F881							24J494	125041		24H419		
24H746	3:1 with LDM5 ridit	24F882												
24H747	3:1 with LDP5 flex	24F883												
24H748	3:1 with LDP5 rigit	24F884												

* not shown

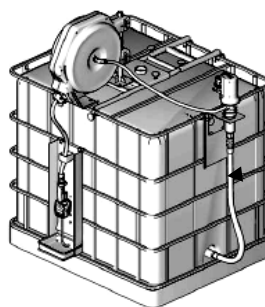
Parts in green are CE marked, see 199389

5:1 TOTE MOUNTED LD PACKAGES FOR OIL

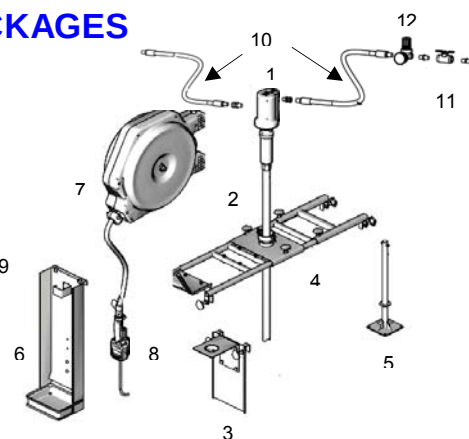


Top mounted

Totes not included



Side mounted



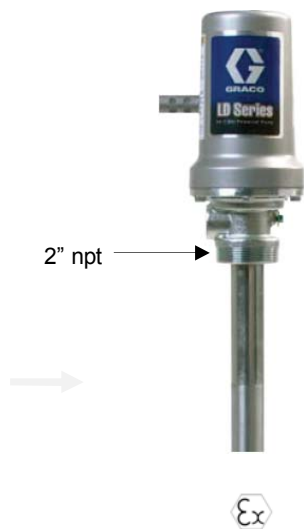
Manual 3A1335

Part #	5:1 TOP PACKAGES	Pump (1)	Fluid outlet	Tube (2)	Pump bracket (3)	Top bracket (4)	Reel bracket (5)	Meter Tray (6)	Hose reel (7)	Meter (8)	Suction Hose (9)	Oil/air hose kit (10)	Vented valve *	Air regulator *				
24H867	5:1 with LDM5 flex	24G588	NPT	16F885		24F930	24F932	24F914	24H622	255751		24J495						
24H868	5:1 with LDM5 ridit									256215								
24H869	5:1 with LDP5 flex									255277								
24H870	5:1 with LDP5 rigit									256216								
24H879	5:1 with LDM5 flex									255751		24J492	110223	24H420				
24H880	5:1 with LDM5 ridit									256215								
24H881	5:1 with LDP5 flex									255277								
24H882	5:1 with LDP5 rigit									256216								
24H871	5:1 with LDM5 flex	24G589	BSPP	16F962					24J133	24F887		24J496						
24H872	5:1 with LDM5 ridit									24F888								
24H873	5:1 with LDP5 flex									24F889								
24H874	5:1 with LDP5 rigit									24F890								
24H883	5:1 with LDM5 flex									24F887		24J493	125041	24H419				
24H884	5:1 with LDM5 ridit									24F888								
24H885	5:1 with LDP5 flex									24F889								
24H886	5:1 with LDP5 rigit									24G590		BSPT	16F963	24F796	24F890	24J497		
24H875	5:1 with LDM5 flex	24F881																
24H876	5:1 with LDM5 ridit	24F882																
24H877	5:1 with LDP5 flex	24F883																
24H878	5:1 with LDP5 rigit	24F884	24J494	125041					24H419									
24H887	5:1 with LDM5 flex	24F881																
24H888	3:1 with LDM5 ridit	24F882																
24H889	3:1 with LDP5 flex	24F883																
24H890	5:1 with LDP5 rigit	24F884																
	5:1 SIDE PACKAGES																	
24H891	5:1 with LDM5 flex	24G588	NPT						24F920	24F931	24F932	24F914	24H622	255751	24H669	24J495		
24H892	5:1 with LDM5 ridit													256215				
24H893	5:1 with LDP5 flex													255277				
24H894	5:1 with LDP5 rigit													255277				
24H903	5:1 with LDM5 flex													255751		24J492	110223	24H420
24H904	5:1 with LDM5 ridit													256215				
24H905	5:1 with LDP5 flex	255277																
24H906	5:1 with LDP5 rigit	24G589	BSPP										24J133	24F887	24H670			
24H895	5:1 with LDM5 flex				24F888													
24H896	5:1 with LDM5 ridit				24F889													
24H897	5:1 with LDP5 flex				24F890													
24H898	5:1 with LDP5 rigit				24F887	24J493	125041							24H419				
24H907	5:1 with LDM5 flex				24F888													
24H908	5:1 with LDM5 ridit	24F889																
24H909	5:1 with LDP5 flex	24G590	BSPT		24F796	24F890	24H671						24H497					
24H899	5:1 with LDM5 flex					24F881												
24H900	5:1 with LDM5 ridit					24F882												
24H901	5:1 with LDP5 flex					24F883												
24H902	5:1 with LDP5 rigit					24F884							24J494	125041	24H419			
24H911	5:1 with LDM5 flex					24F881												
24H912	5:1 with LDM5 ridit	24F882																
24H913	5:1 with LDP5 flex	24F883																
24H914	5:1 with LDP5 rigit	24F884																

* not shown

Parts in green are CE marked, see 199389

50:1 LD COVER MOUNTED PUMPS FOR GREASE (used with open top drums only)



Drum cover



24F904 – for 16 kg pails
24F905 – for 55 kg drums
24F906 – for 180 kg drums

Follow plate



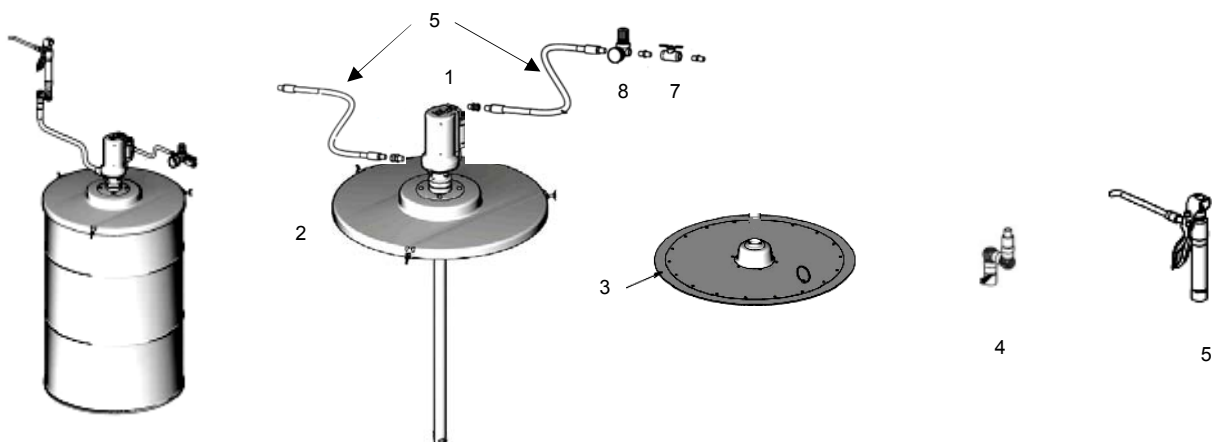
24F901 – for 16 kg pails
24F902 – for 55 kg drums
24F903 – for 180 kg drums

Pressure ratio	50:1
Lower size, cm ³ /cycle	9.8
Max fluid P, bar	517

Manual 3A1334

Part #	50:1 LD PUMPS	Air inlet	Fluid inlet	Fluid outlet	Bung adapter	Atex	DoC/Dol
24G600	50:1 pump for 16 kg pail	1/4"-18 NPT	Prim. piston	1/4" -18 NPT	Part of the housing, 2" NPT	Ex II/2 Gc T6	199391
24G601	50:1 pump for 16 kg pail	1/4"-19 BSPP	Prim. piston	1/4"-19 BSPP			
24G602	50:1 pump for 16 kg pail	1/4"-19 BSPT	Prim. piston	1/4"-19 BSPT			
24G603	50:1 pump for 55 kg drum	1/4"-18 NPT	Prim. piston	1/4" -18 NPT			
24G604	50:1 pump for 55 kg drum	1/4"-19 BSPP	Prim. piston	1/4"-19 BSPP			
24G605	50:1 pump for 55 kg drum	1/4"-19 BSPT	Prim. piston	1/4"-19 BSPT			
24G606	50:1 pump for 180 kg drum	1/4"-18 NPT	Prim. piston	1/4" -18 NPT			
24G607	50:1 pump for 180 kg drum	1/4"-19 BSPP	Prim. piston	1/4"-19 BSPP			
24G608	50:1 pump for 180 kg drum	1/4"-19 BSPT	Prim. piston	1/4"-19 BSPT			

50:1 LD DRUM MOUNTED PACKAGES FOR GREASE



Drum not included

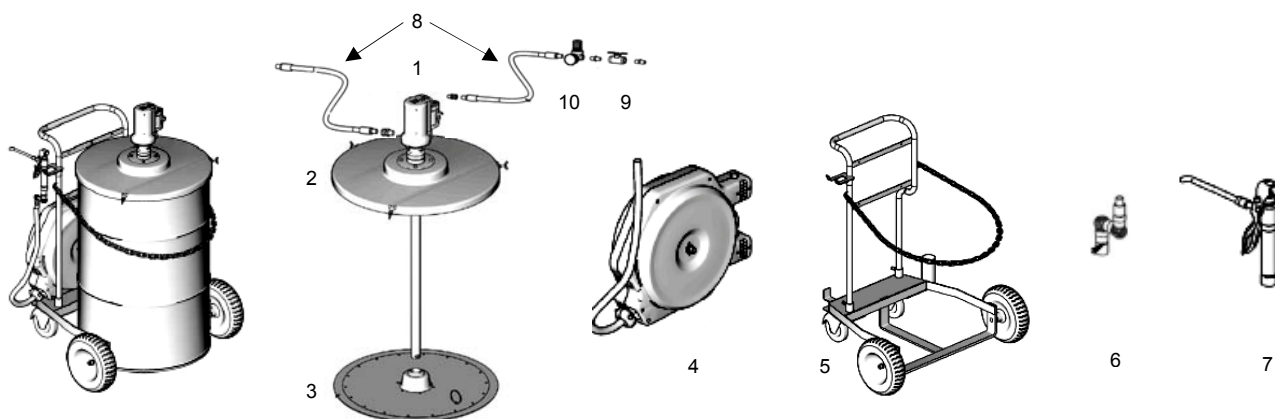
Manual 3A1335

Part #	16, 55 AND 180KG DRUM PACKAGES	Fluid outlet	Pump (1)	Cover (2)	Follow plate (3)	Z-swivel (4)	Grease Valve (5)	Oil/air hose kit (6)	Vented valve (7)	Air regulator (8)
24J030	16 kg pail package	NPT	24G600	24F904	24F901	202577	242056	24H862	110233	24H420
24J033	16 kg pail package, CE		24G601			24H615	24H404	24H864		
24J031	16 kg pail package	BSPP	24G601			24H615	24H404	24H864	125041	24H419
24J034	16 kg pail package, CE		24G602			24H614	24H400	24H863		
24J032	16 kg pail package	BSPT	24G602			24H614	24H400	24H863	125041	24H419
24J035	16 kg pail package, CE		24G602			24H614	24H400	24H863		
24J036	55 kg drum package	NPT	24G603	24F905	24F902	202577	242056	24H862	110233	24H420
24J039	55 kg drum package, CE		24G603			202577	242056	24H862		
24J037	55 kg drum package	BSPP	24G604			24H615	24H404	24H864	125041	24H419
24J040	55 kg drum package, CE		24G604			24H615	24H404	24H864		
24J038	55 kg drum package	BSPT	24G605			24H614	24H400	24H863	125041	24H419
24J041	55 kg drum package, CE		24G605			24H614	24H400	24H863		
24J042	180 kg drum package	NPT	24G606	24F906	24F903	202577	242056	24H862	110233	24H420
24J045	180 kg drum package, CE		24G606			202577	242056	24H862		
24J043	180 kg drum package	BSPP	24G607			24H615	24H404	24H864	125041	24H419
24J046	180 kg drum package, CE		24G607			24H615	24H404	24H864		
24J044	180 kg drum package	BSPT	24G608			24H614	24H400	24H863	125041	24H419
24J047	180 kg drum package, CE		24G608			24H614	24H400	24H863		

* not shown

Parts in green are CE marked, see 199389

50:1 CART MOUNTED LD PACKAGES FOR GREASE



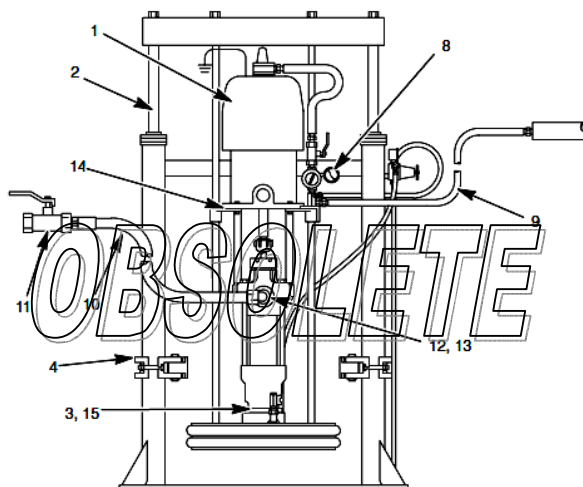
Drum not included

Part #	55 KG DRUM PACKAGES ON CART	Pump (1)	Fluid Outlet	Cover (2)	Follow plate (3)	Hose reel (4)	Cart (5)	Z- swivel (6)	Grease valve (7)	Oil/air hose kit (8)	Vented valve (9)	Air regulat. (10)						
24J048	55 kg drum package,	24G603	NPT	24F905	24F902		24H422	202577	242056	24H862	110223	24H420						
24J051	55 kg drum package, CE									24H672								
24J060	55 kg drum package					24H663				24H501								
24J063	55 kg drum package, CE									24J498								
24J049	55 kg drum package	24G604	BSPP			24F905		24F902		24H422	24H615	24H404	24H864	125041	24H419			
24J052	55 kg drum package, CE												24H674					
24J061	55 kg drum package								24J134				24J502					
24J064	55 kg drum package, CE												24J499					
24J050	55 kg drum package,	24G605	BSPT						24F905		24F902		24H422	24H614	24H400	24H863	125041	24H419
24J053	55 kg drum package, CE															24H673		
24J062	55 kg drum package											24F797				24J503		
24J065	55 kg drum package, CE															24J500		
	181 KG DRUM PACKAGES ON CART																	
24J054	180 kg drum package,	24G606	NPT	24F906	24F903							24F915		202577	242056	24H862	110223	24H420
24J057	180 kg drum package, CE															24H672		
24J066	180 kg drum package						24H663									24H501		
24J069	180 kg drum package, CE															24J498		
24J055	180 kg drum package,	24G607	BSPP			24F906	24F903			24F915				24H615	24H404	24H864	125041	24H419
24J058	180 kg drum package, CE															24H674		
24J067	180 kg drum package							24J134								24J502		
24J070	180 kg drum package, CE															24J499		
24J056	180 kg drum package,	24G608	BSPT					24F906	24F903				24F915	24H614	24H400	24H863	125041	24H419
24J059	180 kg drum package, CE															24H673		
24J068	180 kg drum package										24F797					24J503		
24J071	180 kg drum package, CE															24J500		

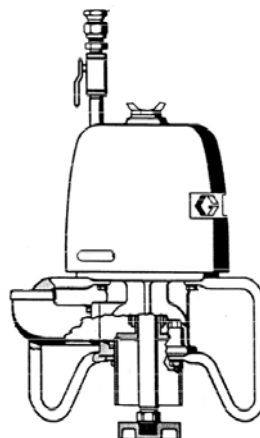
* not shown

Parts in green are CE marked, see 199389

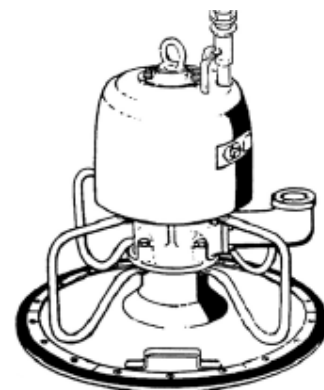
FIRE BALL AND BULLDOG RAMS FOR GREASE



244641
244640
244905
244906



205148



205028

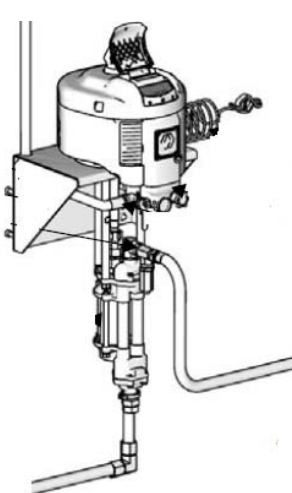
Part #	RAMS	Bare pump	Lower size, cc	RAM	Adapter kit	Air reg. kit	Air hose	Fluid hose	Manual	DoC/Dol
		1		2	3	8	9	10		
244641	3:1 Bulldog RAM	205148	833	207279	224829	205712	208610	247969		
244640	12:1 Bulldog RAM	224828	267		222776	205742	208610	115042		
*	50:1 FB 300 RAM	235888	11		224267	203716			309345	
*	10:1 FB 425 RAM	205129	167	207279		207468				
244905	50:1 FB 425 RAM	204395	32		224226	244844	222076			
244906	75:1 FB 425 RAM	239730	22				222076			

* order individual components

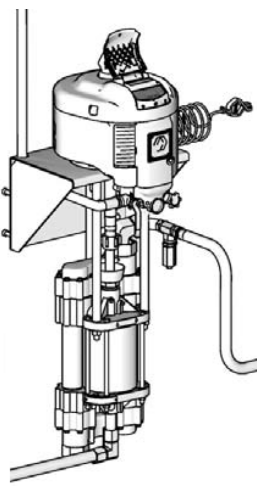
Part #	SINKER	Bare pump	Lower size, cc	Air hose	Air reg. kit	Inductor	Manual	DoC/Dol
205148	3:1 Bulldog	bare					306642	
205028	3:1 Bulldog SINKER (with inductor)	205148	833			222404	306642	
244848	3:1 Bulldog SINKER package	205148		208610	244845	222404	309345	



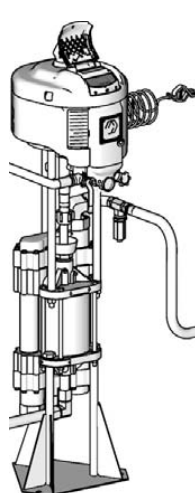
3.5:1, 4.5:1, 6:1 NXT HIGH-FLO PUMPS FOR OIL 6:1, 10:1, 12:1, 23:1 NXT DURA-FLO PUMPS FOR OIL



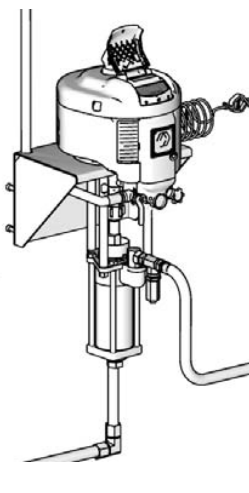
247888
24D602
247889
24D603



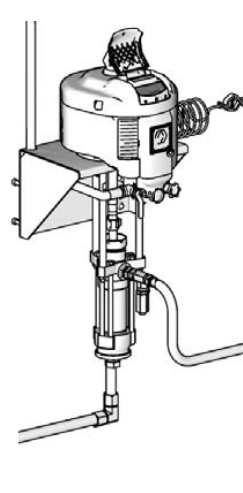
247892
24D606



247893
24D607



247890
24D604
247894
24D608



247891
24D605
247983
247895

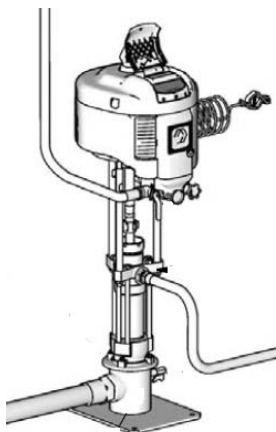
Manual: 312862

Part #	Wall mount High-Flo packages	Pump	Lower	Lower size	Motor	Bracket	Air hose	Fluid hose	DoC/Dol
247888	3.5:1, High-Flo, with Data Trak and T relief kit	JC35M1	24D466	2000 cc	N34LT0	255143	110048	115042	192743
24D602	3.5:1, High-Flo, w/o Data Trak, T relief kit	24J092	24J089		N34LN0				
247889	4.5:1, High-Flo, with Data Trak and T relief kit	JC45M1	24D460	1500 cc	N34LT0				
24D603	4.5:1, High-Flo, w/o Data Trak, T relief kit	24J091	24J088		N34LN0				
247892	6:1, High-Flo, with Data Trak and T relief kit	24J327	24J090	2000 cc	N65LT0				190542
24D606	6:1, High-Flo, w/o Data Trak, T relief kit	24J093			N65LN0				

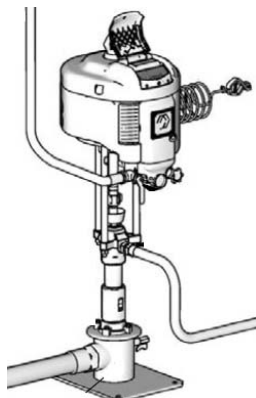
Part #	Floor stand High-Flo packages	Pump	Lower	Lower size	Motor	Stand kit	Air hose	Fluid hose	DoC/Dol
247893	6:1, High-Flo, with Data Trak and T relief kit	24J327	24J090	2000 cc	N65LT0	218742	110048	247969	190542
24D607	6:1, High-Flo, w/o Data Trak, T relief kit	24J093			N65LN0				

Part #	Wall mount Dura-Flo packages	Pump	Lower	Lower size	Motor	Bracket	Air hose	Fluid hose	DoC/Dol
247890	6:1, Dura-Flo, with Data Trak and T relief kit	P06MCK	253597	1000 cc	N34LT0	255143	110048	115042	199209
24D604	6:1, Dura-Flo, w/o Data Trak, T relief kit	P06LCK			N34LN0				
247894	10:1, Dura-Flo, with Data Trak and T relief kit	P10MCK	253597	1000 cc	N65LT0				
24D608	10:1, Dura-Flo, w/o Data Trak, T relief kit	P10LCK			N65LN0				
247891	12:1, Dura-Flo, with Data Trak and T relief kit	P12MCD	222801	580 cc	N34LT0				
24D605	12:1, Dura-Flo, w/o Data Trak, T relief kit	P12LCD			N34LN0				
247983	12:1, Dura-Flo SS, with Data Trak and T relief kit	P12MSA	222801	580 cc	N34LT0				
247895	23:1, Dura-Flo, with Data Trak and T relief kit	P23MCD			N65LT0				

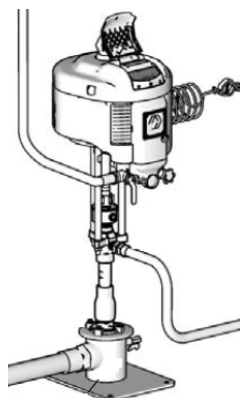
NXT CHECK-MATE PACKAGES FOR GREASE



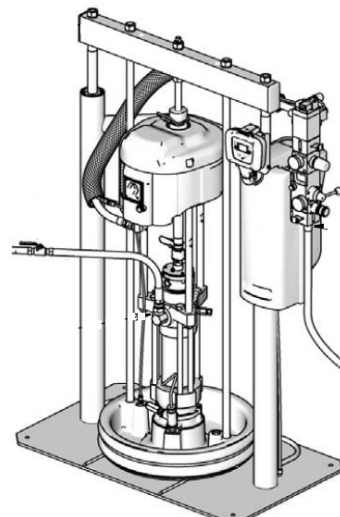
247973
24E006
247976
24E007



247974
24E008
247977
24E009
247978
24E011



247975
24E010



247979 24E780
247980 24E781
247981 24E782

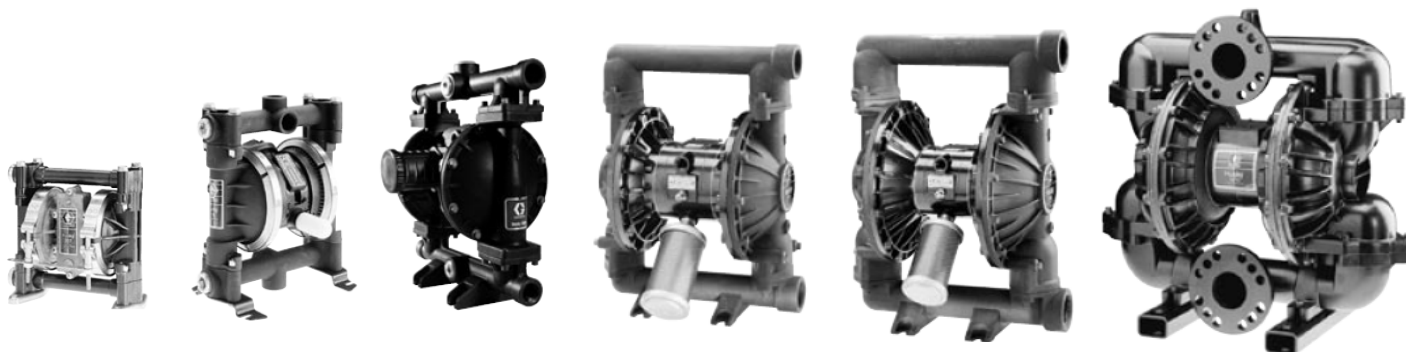
Manual for lowers 312375
Manual for airmotors 311238
Manual for systems 312863

Part #	FLOOR STAND PACKAGES	Pump	Lower	Lower size, cc	Motor	Floor stand	Mount. kit	Air hose	Fluid hose	DoC/Dol	
247973	14:1, Check-Mate, with Data Trak	P14MCS	L500CS	500	N34LT0	223952	222776	208610	115042	199260	
24E006	14:1, Check-Mate, w/o Data Trak	P14DCS			N34DN0						
247976	26:1, Check-Mate, with Data Trak	P26MCS			N65LT0						
24E007	26:1, Check-Mate, w/o Data Trak	P26DCS			N65DN0						
247974	29:1, Check-Mate with Data Trak	P29MCS	L250CS	250	N34LT0				244657		
24E008	29:1, Check-Mate, w/o Data Trak	P29DCS			N34DN0						
247977	55:1, Check-Mate, with Data Trak	P55MCS			N65LT0						
24E009	55:1, Check-Mate, w/o Data Trak	P55DCS			N65DN0						
247975	63:1, Check-Mate, with Data Trak	P63MCS	L100CS	100	N34LT0						
24E010	63:1, Check-Mate, w/o Data Trak	P63DCS			N34DN0						
247978	68:1, Check-Mate, with Data Trak	P68MCS	L200CS	200	N65LT0						
24E011	68:1, Check-Mate, w/o Data Trak	P68DCS			N65DN0						

DOC 199260

Part #	RAM UNITS	Supply unit	Pump	Lower	Lower size, cc	Motor	RAM	Plate	Air hose	Fluid hose
247979	14:1, CM RAM, with remote DT	CM53BA	P14RCS	L500CS	500	N34LR0	255648	255664	208610	115042
24E780	14:1, CM RAM, w/o remote DT	CM515A	P14LCS	L500 CS	500	N34LN0				
247980	63:1, CM RAM, with remote DT	CM17BA	P63RCS	L100CS	100	N34LR0				
24E781	63:1, CM RAM, w/o remote DT	CM155A	P63LCS	L100CS	100	N34LN0				244657
247981	68:1, CM RAM, with remote DT	CM2RBA	P68RCS	L200CS	200	N65LR0				
24E782	68:1, CM RAM, w/o remote DT	CM2L5A	P68LCS	L200CS	200	N65LN0				

DIAPHRAGM PUMPS FOR OIL



D31255

243669
241906

647016
647648

DB3525

DF3525

DK3525

These pumps are identical to industrial pumps, but have a lower price
None of these pumps have the BSP inlets/outlets

Part #	Model	Central section	Fluid Section	Seats	Balls	Diaphr.	Fitting for relief kit	Fluid in/outlet	Air valve rep. kit	Fluid section repair kit	Manual	DoC/Dol
D31255	307	PP	AC	AC	TPE	TPE		3/8" npt	239952	D03255	308553	190388
243669	515	PP	AC	AC	BN	BN		3/4" npt	241657	D05277	309204	195293
241906	716	AL	AL	AC	BN	BN		3/4" npt	241657	D05277	308573	195293
647016	1050	AL	AL	TPE	AC	TPE		1" npt	24B766	24B624/634/639	313597	199254
647648*	1050	AL	AL	TPE	AC	TPE	238428	1" npt	24B766	24B624/634/639		
DB3525	1590	AL	AL	TPE	AC	TPE		1 1/2" npt	236273	D0B525	308441	190020
DF3525	2150	AL	AL	TPE	AC	TPE		2" npt	236273	D0F525	308368	190030
DK3525	3275	AL	AL	TPE	AC	TPE		3" flange	238765	D0K525	308639	193163

* max 3.5 bar fluid pressure with pressure relief kit 238428

Parts in green are CE marked

ACCESSORIES

Pump	307	515/716	1050	1590	2150	3275
Air line filter	110146		106148	106149	106150	
Air regulator and gauge	110147		244844	202858	206199	207651
Air quick connect coupler	208536			110199		
Air quick connect nipple	169970			110196		
Bleed type air valve	110223		110224	110225		110226
Wall bracket	224835	224835	24C637			
Thermal relief kit	238899	238428	238428			
Thermal relive valve 10.3 bar			113947 (Al, Buna) or 112119 (SS/PTFE)			
Grounding wire and clamp			222011			
Suction hose kit		236064				
Dual inlet manifold		*	685984			

* 243668 comes with dual inlet

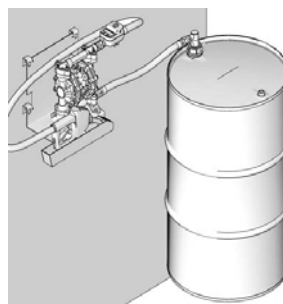
PUMP & PACKAGES FOR DIESEL EXHAUST FUEL (DEF)



24G745



Tote mounted
24F531
24F878 (no meter)



Wall mounted
24F531
24F878 (no meter)



Drum mounted
24M499
24F947 (no meter)



24F870



24F679



24G738 (meter only)
24H293 (meter with fittings for SS gun)



24F529 (auto shut off SS gun)
124398(same as 24F529 less inlet swivel))



125078



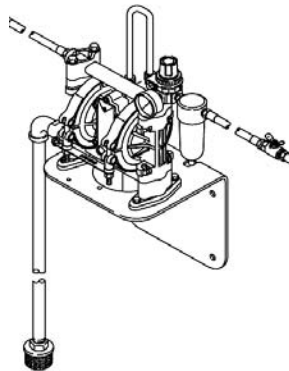
24F532

Part #	Model	Central section	Fluid Section	Seats	Balls	Diaphr.	Fluid in/outlet	Air valve rep. kit	Fluid section repair kit	Manual	DoC/Dol
24G745	515	PP	PP	PP	TPE	PTFE	3/4" bspp	241657	D05981	308981	199162

Part #	DEF SYSTEMS	Pump	Suction kit	Inlet hose	Dispense hose	Bracket Kit	Gun	Meter	Manual	DoC/Dol
24F531	Tote/Wall mount. package with meter	24G745	24F532	124581	124603	24F870	24F529	24H293	3A1189	199377
24F878	Tote/Wall mount. package w/o meter			124875	124671	24F679		24H293		
24M499	Drum mount. package with meter				125079					
24F947	Drum mount. package w/o meter									

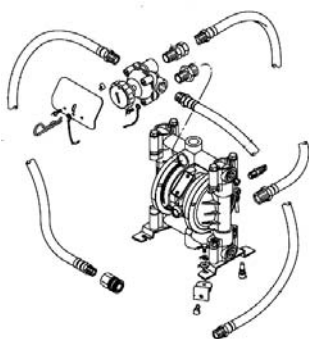
See 340871 for other accessories

DISPENSE PACKAGES FOR WINDSHIELD WASH AND ANTI-FREEZE

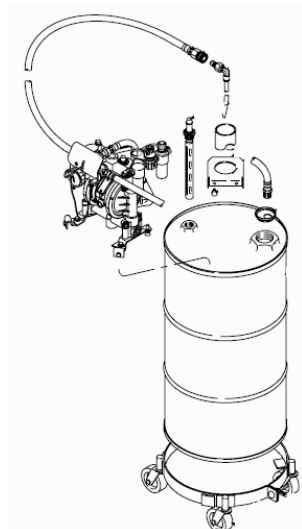


237161	D31255	Husky 307
	109125	1.8 m air hose
	220596	1.2 m fluid hose
	110146	Air filter
	108190	Air pressure gauge
	110318	Air pressure regulator
	187479	381 mm 3/8" tube
	190215	Mounting bracket
	223888	Suction kit
	224835	Wall bracket
23760		Idem to above less pump and wall bracket
244679	Husky 1050 based packages, see 309353 for details	
244680		
244681		
244682		

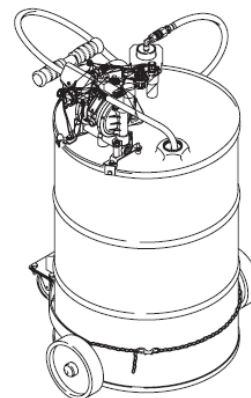
FAS-VAC EVACUATION SYSTEMS FOR OIL



224667



224700
224763 (no drum)

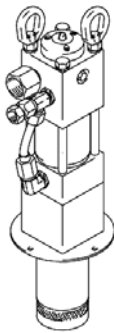


224701 (no drum)

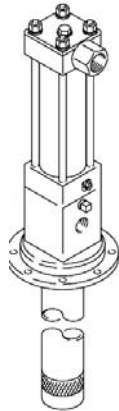
Part #	FAS-VAC SYSTEMS	Pump	4 way valve	Drum	Dolly	Cart	Manual	DoC/Dol
224667	System with Husky 716	241906	187359				308154	
224700*	System with Husky 716 & 60 l drum			111468	224655			
224763*	Sytem with Hysky 716 for 60 l drum							
224701	System with Husky 716 for 200 l dum					111470		

* 224759 FRL mounting kit and 110149 FRL must be ordered separately, see 308163 for details

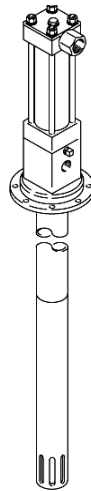
POWER-STAR,DYNA-STAR AND VISCOUNT II HYDRAULIC PUMPS FOR OIL AND GREASE



236754
236753



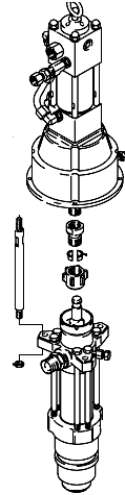
224741
222742
237653



224912
224751
224752



247540
247443
247450

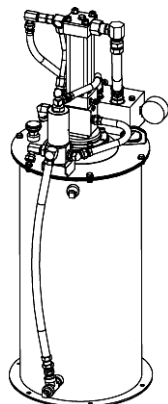


222902

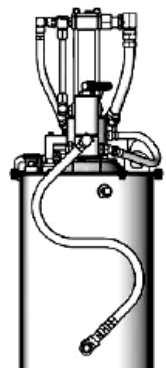
Part #	1/4 : 1 PUMP	Appl.	Max fluid P, bar	Max input P, bar	Cm3/ cycle	Max Cpm	Hydraul. Motor	Lower	Manual	DoC/Dol		
236753	¼ :1 Dyna-Star, universal	Oil	26	102	630		239884*	see man.	308390	190167		
	1 : 1 PUMPS											
236754	1:1 Power Star, universal	Oil	103	102	760	60	236752	see man.	308391	190168		
224741	1:1 Dyna-Star, universal				190		239882*		308155	192983		
224742	1:1 Dyna-Star, cover mounted, 200 l drum											
237653	1:1 Dyna-Star,SS, universal	Antifr.	69	69								
	2.4 : 1 PUMPS											
222902	2.4:1 Viscount II , wall or cart mounted	Oil	159	102	475	60	235435	222810	308149	193009		
	5 : 1 PUMPS											
224912	5:1 Dyna-Star, cover mounted 16 kg pail	Grease	517	102	30 g	60	239883*	223514	308156	199321		
224751	5:1 Dyna-Star, cover mounted 55 kg drum							223513				
224752	5:1 Dyna-Star, cover mounted 180 kg drum							224914				
	10 : 1 PUMPS											
247540	10:1 Dyna-Star, cover mounted 16 kg pail	Grease	517	41	10	60	see man.*	see man.	312350	199234		
247443	10:1 Dyna-Star, cover mounted 55 kg drum											
247450	10:1 Dyna-Star, cover mounted 180 kg drum											

* requires assembly tool 189305 for reassembling

DYNA-STAR PACKAGES FOR GREASE



243159
243502 (w/o reservoir)
243503 (w/o reservoir)
243504 (w/o reservoir)



247574
247970 (w/o reservoir)



247444
247456 (w/o reservoir)
247457 (w/o reservoir)



247706



247707

Manual for 5:1 packages 309098
Manual for 10:1 packages 312349

Part #	5:1 PACKAGES	Appl.	Pump	Lower	Lower size, g	Haudr. motor	Reservoir kit	Vent valve kit	P relief kit	Haudr. control kit	DoC/DoI
243159	Package with 41 kg reservoir	Injectors	224751	223513	30	239883	241486	243170		243501	199006
243502	Package for 16 kg pail		224912	223514							
243503	Package for 55 kg kg drum		224751	225313							
243504	Package for 180 kg drum		224752	224914							
	10:1 PACKAGES										
247574	Package with 27 kg reservoir	Injectors	247540	see manual.	10	see manual	247575	243170		247538	199006
247970	Package for 27 kg reservoir										
247444	Package with 40 kg reservoir		247443				241486				199006
247456	Package for 55 kg reservoir										
247457	Package for 180 kg drum		247450								
247706	Package with 27 kg reservoir	Dividers	247540				247575		247902		
247707	Package with 55 kg reservoir		247443	241486							

Parts in purple have Declaration of Incorporation (comply with ess.requirements of the MSD), assessment and CE marking of the final assembly to be done by customer

ELECTRICAL APEX GEAR PUMPS FOR OIL

TRANSFER



260100
260101
260102
260104

TRANSFER



260240
260105 (wall mounted)
260106
260108
260109

DISPENSE



260110
260111
260112
260113
260114

Part #	4.5 BAR BUNG MOUNTED PUMPS WITH HOSE AND SUCTION TUBE	Voltage	Hz	HP	Max current ,A	Max flow, lpm	Max P, bar	Manual	DoC/Dol
260100	Tranferring of non-flammable fluids, incl. motor oils, hydraulic fluid and antifreeze. Do not use with water.	12 VDC		3/4	35	22	4.5	311305	
260101		115 VAC	60	1/2	9.2	16			
260102*				3/4	9	30	2.1		
260104				240 VAC	50/60	1/2	3.9		16

* For viscosities < 1000 cSt

Part #	10 BAR BUNG MOUNTED PUMPS	Voltage	Hz	HP	Max current, A	Max flow, lpm	Max P, bar	Manual	DoC/Dol		
260240	Tranferring of non-flammable fluids, incl. motor oils, hydraulic fluid and antifreeze. Do not use with water	12 VDC	60	3/4	60	24	10	311306			
260105*		115 VAC			7.5	11					
260106					7.5	11					
260108					9	16					
260109		1		11	30						

* - Wall mounted model

Part #	HIGH PESSURE BUNG MOUNTED PUMPS WITH P SENSOR AND SHUT OFF RELAY	Voltage	Hz	HP	Max current, A	Max flow, lpm	Max P, bar	Manual	DoC/Dol	
260112	Tranferring of non-flammable fluids, incl. motor oils, hydraulic fluid and antifreeze. Do not use with water	12 VDC	60	3/4	70	24	28	311307		
260110		115 VAC			7.5	10	25			
260111		1		7.5	13	38				
260113		1,5		9	18	32				
260114		2		11	21	45				

These pumps are used for oil dispense, the relay shuts the motor off when the dispense gun is released and starts it on when the gun is triggered

ELECTRICAL GTP GEAR PUMPS FOR GASOLINE, DIESEL FUEL AND KEROSENE



Manual 311304

Part #	GTP DISPENSE PACKAGE	Voltage	Max Amps	Max flow, lpm	Hose		Gun		Power cord, m	Suction tube, m	DoC/Dol
					Part #	m	Part #	type			
260000	For pumping gasoline,diesel fuel and kerosene. Do not use with water or other fluids.	12 VDC	12.5	38	260069	3.6	260079	Leaded/diesel	5.5	0.5	
260020		24 VDC	7	38							
260025		115 VAC	2	45							
260222		240 VAC	1	45							
							260078	Unleaded			

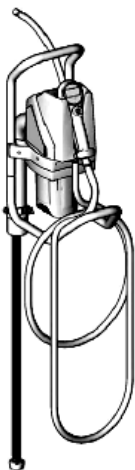
ELECTRICAL HURRICANE GEAR PUMPS AND PACKAGES FOR OIL, GEAR LUBE, ANTIFREZE AND AUTOMATIC TRANSMISSION FLUID

Tapper

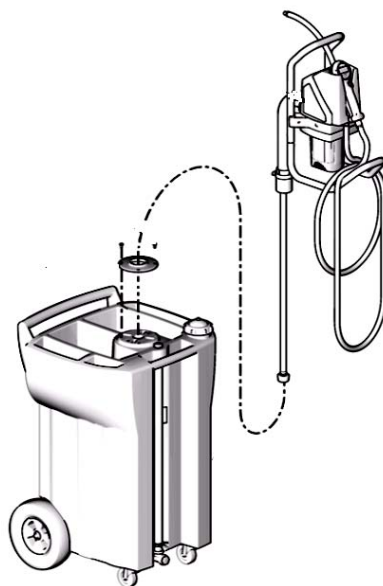


248918
249298

Dispenser



234902
249299
249294
249300



249783
249822
249771
249823
249821
249824



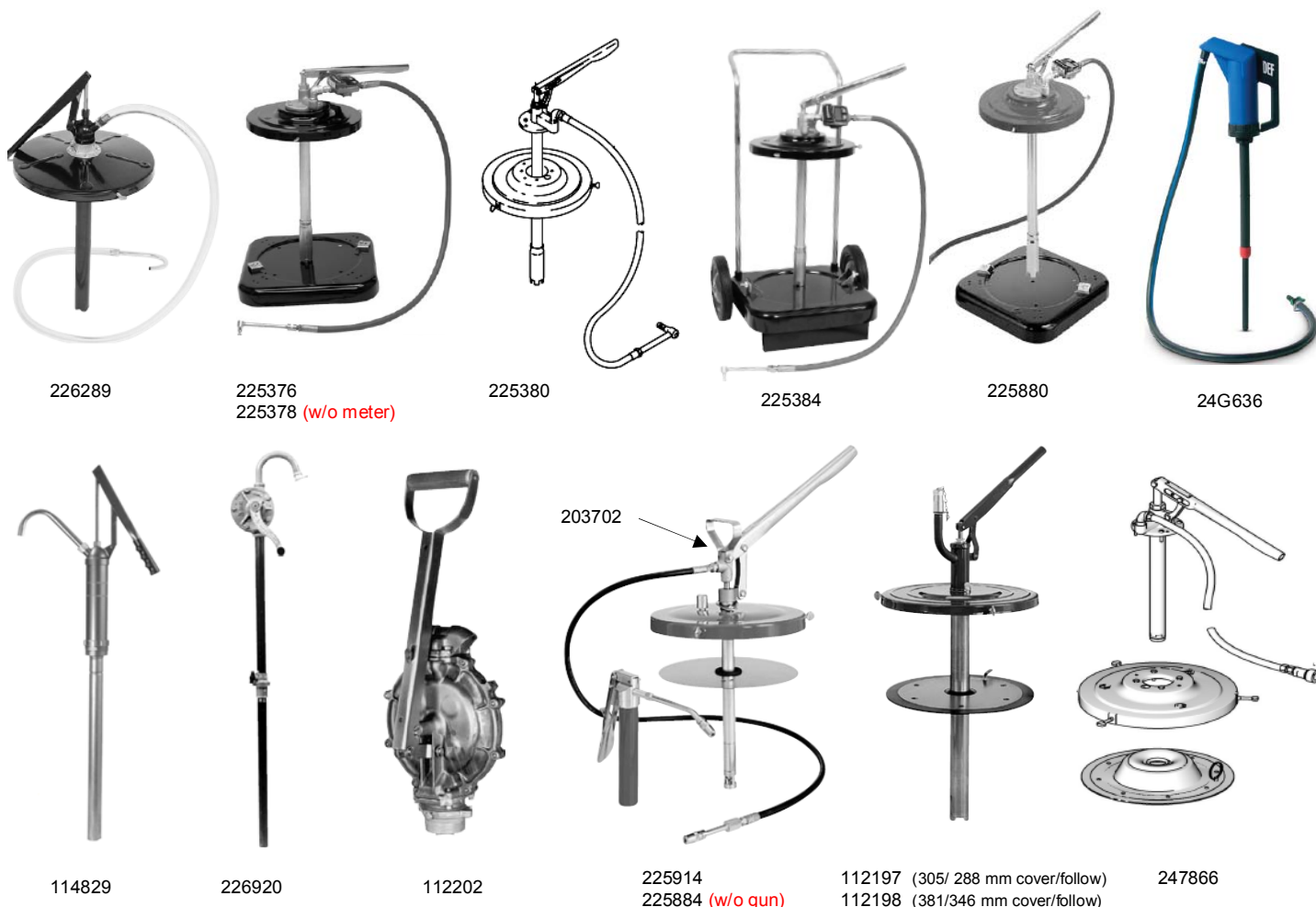
234902
249299
249294
249300

Units	Liters and imperial units
Max totalizer amount	999,99 units
Max preset volume	Can not be preset
Display power	Powered by wires in hose bundle

Part #	HURRICANE PUMPS AND PACKAGES	Pump	Voltage, VAC	Plug	Gun incl. hose	Cart/caster base	Manual	DoC/Dol
248918	Tapper pump		110	US				
249298	Tapper pump		240	EU				199187
234902	Dispenser with 2.4 m hose		110	US	234903		311216	199187
249299	Dispenser with 2.4 m hose		240	EU				199187
249294	Dispenser with 7.6 m hose		110	US	287479			199187
249300	Dispenser with 7.6 m hose		240	EU				
249783	Tapper with 95 l cart/reservoir	248918	110	US		249761		
249822		249298	240	EU				
249771	Dispenser with 2.4 m hose and 95 l cart/reservoir	234902	110	US	234903	249761	311589	
249823		249299	240	EU				
249821	Dispenser with 7.6 m hose and 95 l cart/reservoir	249294	110	US	287479	249761		
249824		249300	240	EU				
253487	Tapper pump with caster base for 61 l drum	248918						
253486	Dispenser with 2.4 m hose and caster base for 61 l drum	234902	110	US		203622		
253494	Dispenser with 7.6 m hose and caster base for 61 l drum	249294						

Parts in green are CE marked

MANUAL PUMPS AND PACKAGES



Part #	FOR 20L OPEN TOP DRUMS	Appl.	Cc	Pump	Cover	Meter	Fluid hose	Dispenser/ Gun	Base	Cart	Manual
226289	Cover mounted package	Gear Oil	56/stroke	bare			1.2 m				306875
	FOR 60L OPEN TOP DRUMS										
204867	Manual pump for oil	Oil, ATF									306436
225376	Portable package with meter	Gear oil	85/stroke	204867	204574	239824	214657	200348	203622		
225378	Portable package w/o meter										
225380	Stationary package w/o meter										
225384	Car mounted package with cart									203650	
225880	Portable package with meter	ATF				239824		203469	203622		
	FOR 200L CLOSED TOP DRUMS										
114829	Bung mounted single stroke pump	Oil, A/F	380/stroke	bare							308896
226290	Bung mounted rotary pump		210/cycle	bare							306876
112202	Hand lever diaphragm pump		420/cycle				2.5 m				
	FOR 16 KG OPEN TOP DRUMS										
203702	Manual pump for grease	Grease	0.7/stroke	bare							306455
225914	Package with booster gun			203702	203701*		203703	203697			
225844	Package without booster gun										
112197	Grease gun fill pump			30	yes	yes					
	FOR 16 KG OPEN TOP DRUMS										
112198	Grease gun fill pump	Grease	30	yes	yes						
247866	For Grease Joeckev and MLX systems	Grease	TBC	247500	222958		220591	+ 220653 follow plate			

* includes follow plate 203550

Manual pumps and packages do not require CE marking

ACCESSORIES - DRUM COVERS



222059



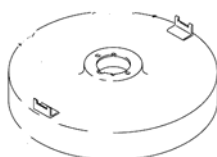
204574



200326



24F904
24F905
24F906



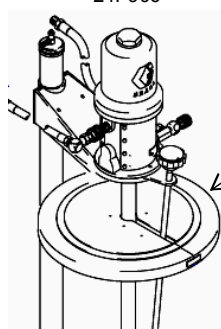
222060
207336



207367



222058



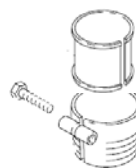
204739



24F918



222308



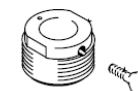
214583



204076
224579
217359



238125

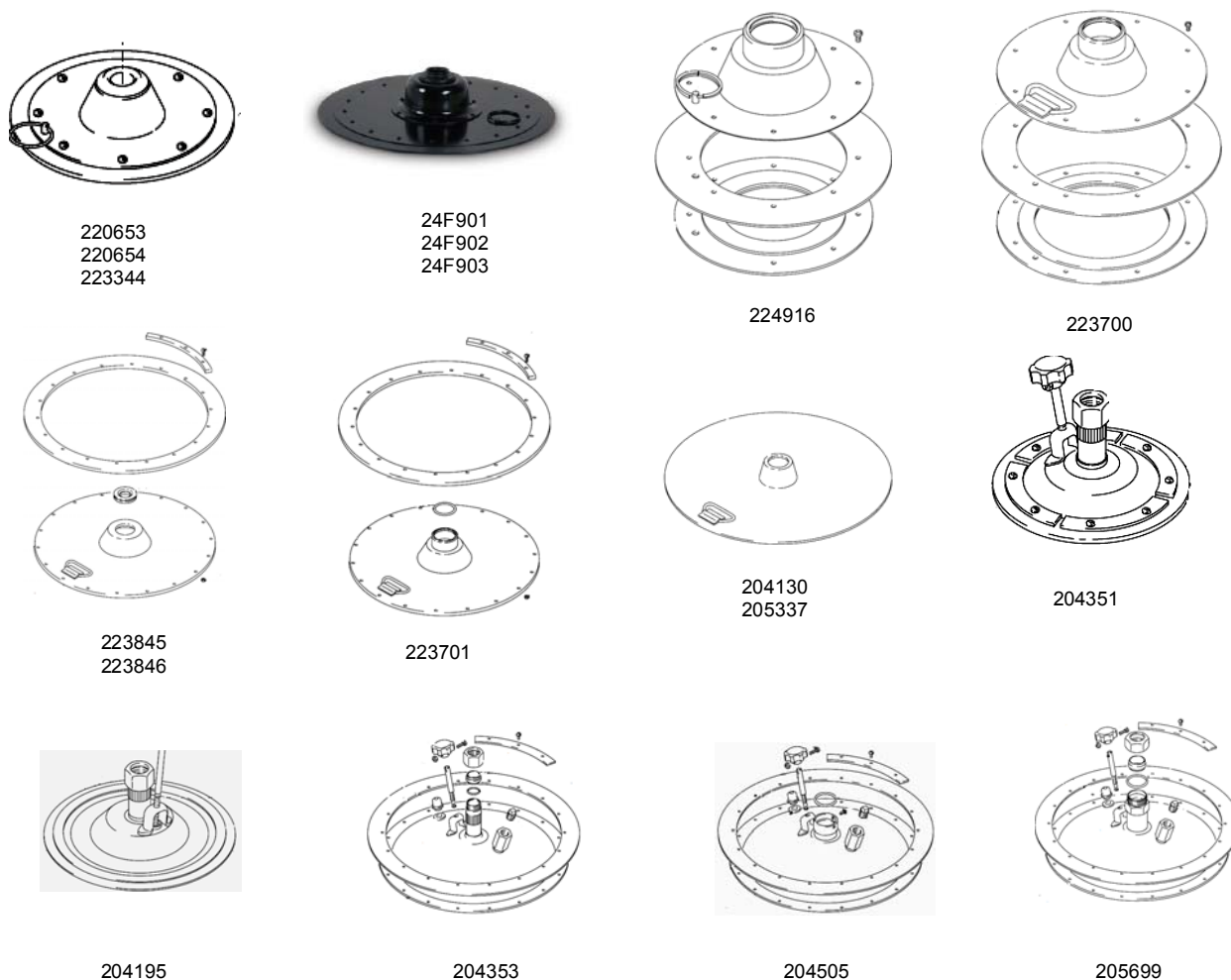


187754

Part #	DRUM COVERS	Pump mounting	Used with	Cover ID, mm	Central hole ID, mm	Bolt pattern	Manual
222059	For 16 kg pails	Bolted	Mini FB, FB	309	32		309967
24F904		Bung flange	LD	320	2" npt		3A1335
222058		Bolted	FB, manual pump 247500	306	76	see 166219	307882
204574	For 32 and 55 kg drums	Bolted	Mini FB, FB, Dynastar	387	76	see 191745	306345
24F905		Bung flange	LD	387	2" npt		3A1335
222060		Bolted	FB	384	85	see 161024	306345
204739		see pict. above	FB	375	35		306523
200326	For 180 kg drums	Bolted	Mini FB, FB, Dynastar	625	101	see 161065	307880
24F906		Bung flange	LD	610	2" npt		3A1335
207366		Bolted	FB	625	101	see 161065	306345
207367		Bolted	FB	618	76	see 166415	306345
		BUNG ADAPTERS					
24F918	Bung adapter		LD 3:1 and 5:1 oil pumps				
222308	Bung adapter		Fast Ball 1:1, Mini FB 225 3:1, FB 300 5:1, FB 425 10:1				307427
238125	Bung adapter kit		Mini FB 225 3:1, FB 300 5:1, FB 425 10:1				308403
214583	238125 + 172405		Fast-Flo 1:1				307427
187754	Acetal bung adapter		FB 300 15:1 undercoating				308069
	SEALED BUNG ADAPTERS						
204076	Sealed bung adapter		204254 (FB 300 5:1)				307883
224579	Sealed bund adapter		222095 (FB425 10:1)				307883
217359	Sealed bund adapter		Fast-Flo. can be used with suction kit 236054				

* Use adapter 160574 for bung mounted pumps

ACCESSORIES – FOLLOW, DUST AND INDUCTOR PLATES



Part #	FOLLOW PLATES	Used with	Wiper/plate OD, mm	Central hole ID, mm	Manual
220653	For 16 kg pails	Mini FB, FB	286	30	306345
203550		Manual grease pumps	279	24.6	
24F901		LD	290	30	3A1335
224916		DynaStar	286	53	
220654	For 32 and 55 kg drums	Mini FB, FB	375	30	306345
223344		FB		37	
24F902		LD		30	3A1335
223700		DynaStar		61	
223845	For 180 kg drums	MiniFB, FB	594	30	306345
223846		FB		37	
24F903		LD	30		
223701		DynaStar	594	53	
	DUST PLATES				
204130	For 180kg drum	FB	558	30	306345
205337		FB		37	
	INDUCTOR PLATES				
204351	For 16 kg pails	FB	289	32	307878
204195	For 32 and 55 kg drums	FB	361	32	306523
204353	For 180 kg drums	FB	594	32	306556
204505		FB		56	
205699		FB		41	

ACCESSORIES – DOLLIES, BASES, CARTS AND ELEVATORS



205054
204144



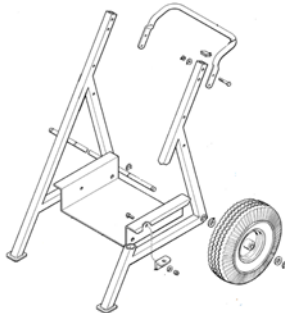
203622



203650



111470



222243



241663

Part #	DOLLIES	ID (loose bolt)	ID (tightened bolt)	Drum seat
205054	Band dolly for 16 kg pails	292	286	
204144	Band dolly for 32 kg or 55 kg drums	355	345	
	PORTABLE BASE			
203622	Caster base for 32 and 55 kg drums			368 (ID)
	CARTS			
203650*	For 16 kg, 32 kg and 55 kg drums			368 (ID)
222243	For 55 kg with pneumatic wheels			400 x 355
111470	Heavy duty cart for 180 kg drums			not avail.
	DRUM ELEVATOR			
241663**	Air powered elevator. Max raised height is 100 cm			

* Use pail clamps 159952 when using cart with 16 kg drum

** Use with carbon steel cover only

ACCESSORIES – VALVES AND STRAINERS

Air Shut-Off Valves, bleed type			
			
Part #	Ports	Mat.	Bar
110223	1/4" NPT(f) – 1/4" NPT(f)	Brass	17
102224	3/8" NPT(f) – 3/8" NPT(f)	Brass	17
110225	1/2" NPT(f) – 1/2" NPT(f)	Brass	17
110226	3/4" NPT(f) – 3/4" NPT(f)	Brass	17

Fluid Shut-Off Valves			
			
Part #	Ports	Mat.	Bar
108458	1/2" NPT(f) – 1/2" NPT(f)	CS	138
240418	3/8" NPT(f) – 3/8" NPT(f)	CS	138
108537	3/4" NPT(f) – 3/4" NPT(f)	CS	138
110314	1" NPT(f) – 1" NPT(f)	CS	138

High Pressure Grease Shut-Off Valve			
			
Part #	Ports	Mat.	Bar
202869	1/2" NPT(f) – 1/2" NPT(f)	CS	345

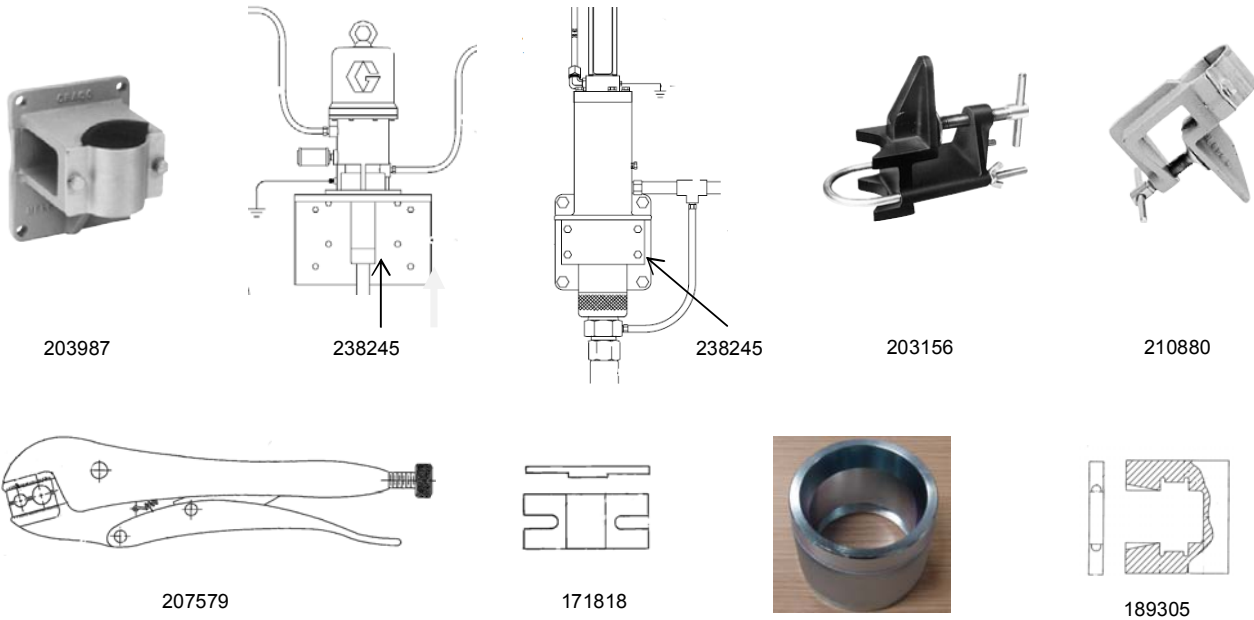
Fluid T-Strainer for oil only			
			
Part #	Ports	Mat.	Bar
240417	1/2" NPT(f) – 1/2" NPT(m) incl. 60 mesh screen	AL	51
238433	3 x 40 mesh screens	Monnel	
238434	25 x 40 mesh screens	Monnel	
238431	3 x 60 mesh screens	Monnel	
238432	25 x 60 mesh screens	Monnel	
238429	3 x 100 mesh screens	Monnel	

Fluid Y-Strainer for oil, water, gas			
			
Part #	Ports	Mat.	Bar
110877	1/2" NPT(f) – 1/2" NPT(f) incl. 110906 20 mesh screen	PTFE	28
101078	3/4" NPT(f) – 3/4" NPT(f) incl. 180199 20 mesh screen	PTFE	28
110878	1" NPT(f) – 1" NPT(f) incl. 110907 20 mesh screen	PTFE	28



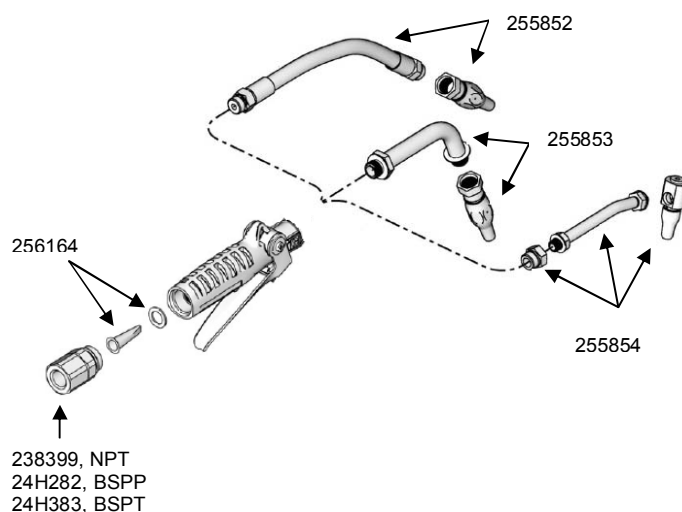
203688	Low level cut-off for Fast Ball and FB pumps with suction tube, 1 1/2" NPT(f) inlet, 3" height
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MOUNTING ACCESSORIES AND TOOLS



Part #	WALL MOUNTING BRACKETS	Used with
203987	Clamps onto universal pump tube	Universal FB 1:1, Mini FB 3:1, FB 300 5:1, FB4 25 10:1
238245	Mounts directly to pump flange	FB 425 3:1, 6:1, 10:1
236778	Clamps to pump tube	FB 425 3:1, Dynastar 1/4 : 1, Power-Star 1:1
	OPEN DRUM CLAMPS	
203156	Attaches to drum side	Any size pump except FB 425 3:1
210880	Attaches to open drum lip	FB 300 5:1, FB 425 10:1
	TOOLS	
207579	Use to grip trip rod without damage	FB, Monark, Bulldog, King, President air motors
171818	Use to verify clearance between poppets and seats	FB, Monark, Bulldog, King, President air motors
168085	Use to install piston assembly into cylinder	DynaStar
189305	Use to reassemble reciprocator	DynaStar, Viscount

SDV15 DISPENSE VALVES



Fluids	Petroleum and synthetic based oils
Flow range, lpm	Up to 56 (23 for models marked with *)
Max working pressure, bar	102
Operating temp. range, °C	-40 to 82
Inlet	see table below
Outlet (on housing)	3/4 - 16 straight thread O-ring boss
Trigger lock	yes

Tested with 10W oil at 21 °C. Flowrates may vary with fluid pressure, temperature, viscosities, inlet fitting and nozzle type

Manual 312789

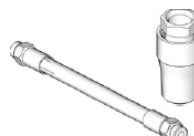
Part #	Fluid	Inlet swivel			Extention		Nozzle		Extension + nozzle kit
		NPT	BSPT	BSPP	Part #	Type	Part #	Type	
247712*	oil	½" NPT(f) 238399			255194	rigid	255459	automatic non-drip	255852
247713*	oil				121098	flexible			255853
247714	gear lube				255754	gear lube	255470		255854
247715*	anti-freeze				255194	rigid	255460		255855
247716*	anti-freeze				121098	flexible			255856
247717	all								
24H390*	Oil		½" BSPT(f) 24H383		255194	rigid	255459	automatic non-drip	255852
24H931*	oil				121098	flexible			255853
24H932	gear lube				255754	gear lube	255470		255854
24H933*	anti-freeze				255194	rigid	255460		255852
24H934*	anti-freeze				121098	flexible			255853
24H935	all								
24H384*	oil			½" BSPP(f) 24H282	255194	rigid	255459	automatic non-drip	255852
24H385*	oil				121098	flexible			255853
24H386	gear lube				255754	gear lube	255470		255854
24H387*	anti-freeze				255194	rigid	255459		255852
24H388*	anti-freeze				121098	flexible			255853
24H389	all								

* Max flowrate is 23 lpm

HIGH FLOW EXTENSIONS FOR SDV15 VALVES

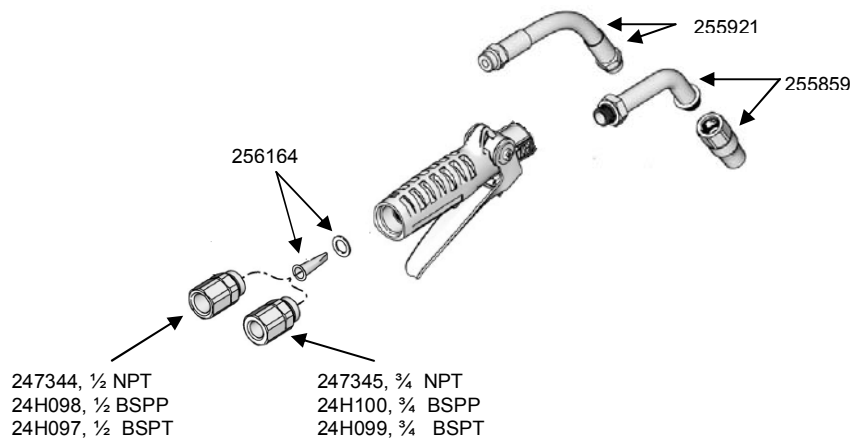


255857 kit
for oil and anti-freeze



255858 kit
for oil and anti-freeze

XDV15 DISPENSE VALVES



Fluids	Petroleum and synthetic based oils
Flow range, lpm (see * remarks below)	Up to 76
Max working pressure, bar	102
Operating temp. range, °C	-40 to 82
Inlet	see table below
Outlet (on housing)	7/8-14 straight thread O-ring boss
Trigger lock	yes

Manual 312789

Part #	Fluid	Inlet swivel			Extention		Nozzle		Extension + nozzle kit
		NPT	BSPT	BSPP	Part #	Type	Part #	Type	
247718	oil / antifreeze	½ "NPT(f) 247344			255775	rigid	255793	high flow	255921
247721					121330	flexible	255793	high flow	255859
247724					all				
247722	oil / antifreeze	¾" NPT(f) 247345			255775	rigid	255793	high flow	255921
247723					121330	flexible	255793	high flow	255859
247725					all				
24H413	oil / antifreeze		½" BSPT(f) 24H097		255775	rigid	255793	high flow	255921
24H414					121330	flexible	255793	high flow	255859
24H417					all				
24H415	oil / antifreeze		¾" BSPT(f) 24H099		255775	rigid	255793	high flow	255921
24H416					121330	flexible	255793	high flow	255859
24H418					all				
24H407	oil / antifreeze			½" BSPP(f) 24H098	255775	rigid	255793	high flow	255921
24H408					121330	flexible	255793	high flow	255859
24H411					all				
24H409	oil / antifreeze			¾" BSPP(f) 24H100	255775	rigid	255793	high flow	255921
24H410					121330	flexible	255793	high flow	255859
24H412					all				

MECHANICAL METERS



253601
256556



256788
256786



256788
256786



207738
207739
207742

Fluids	Petroleum and synthetic based oils
Min flow, lpm	1.5
Max flow, lpm	15
Max working pressure, bar	70
Operating temp. range, °C	-40 to 45
Trigger lock	Yes on preset meters
Accuracy**	0.65%
Units	Liters and quarts
Max totalizer amount	9999
Max recorded dispensed volume	9999

* Tested with Mobil DTE-25 motor oil

Min and max flow may vary with fluid viscosities

Part #	Metering range (on dial)	Inlet	Extension		Nozzle		Extension + nozzle kit	Manual
			Part #	Type	Part #	Type		
	MANUAL METRIC METERS							
253601	1-10 liters	½" NPT(f)	109160	flexible	203655	twist lock	203687	309583
256788	1-10 liters		100081+159246	rigid	203655	twist lock	203265	
256789	1-10 liters		15V528+255754	gear lube	255470	gear lube	256895	
	MANUAL IMPERIAL METERS							
256556	1-16 quarts	½" NPT(f)	109160	Flexible	203655	twist lock	203687	309583
256786	1-16 quarts		100081+159246	Ridig	203655	twist lock	203265	
256787	1-10 quarts		15V528+255754	gear lube	255470	gear lube	256895	
	PRESET METRIC METER							
207742	1-60 liters	½" NPT(f)	123719	Rigid	255459	automatic	24D063	306976
	PRESET IMPERIAL METERS							
207738	1-60 quarts	½" NPT(f)	123719	rigid	255459	automatic	24D063	306976
207739	1-60 gallons		123719	rigid	255459	automatic		

On the manual mete the knob is reset counterclockwise to zero after delivery.

On the preset batch meter the knob is turned counterclockwise to the desired value, the trigger is depressed and locked in the "on" position. The pointer knob rotates clockwise toward zero, releasing the trigger latch, which automatically stops the flow.

NOZLLES FOR PRESET METERS



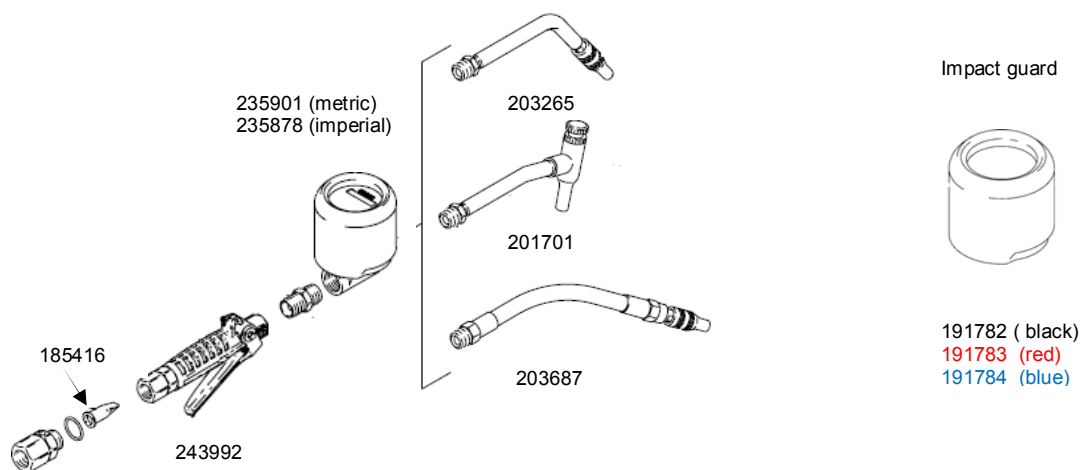
255459 (oil)
255460 (anti-freeze)



255470 (gear lube)



EM6 (MANUAL) ELECTRONIC METERED DISPENSE VALVES



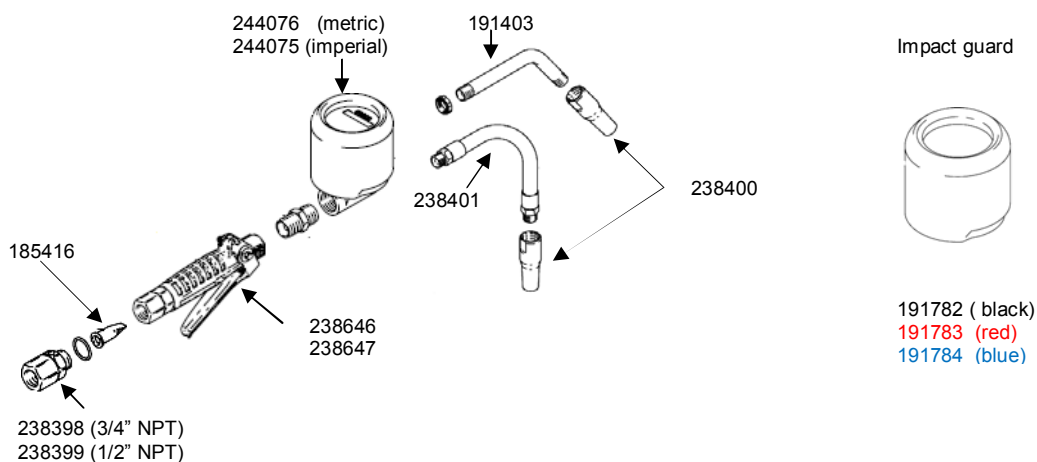
Fluids	Petroleum and synthetic based oils
Flow range, lpm	Up to 23
Max working pressure, bar	103
Pressure loss over the meter, bar	
Operating temp. range, °C	-40 to 55
Inlet swivel	½" NPT (f)
Outlet (on housing)	½" NPT (f)
Trigger lock	no
Accuracy**	± 0.6 %
Units	Liters and imperial units
Max totalizer amount	19 999 units
Max recorded dispensed volume	199.99 units
Battery	Integrated in electronic control, not replaceable separately

DOC 199156

Manual 308642

Part #	Fluid	Inlet filter	Control	Extension		Nozzle		Extension + nozzle kit
				Part #	Type	Part #	Type	
	METRIC MODELS (23 lpm)							
243602	oil	185416 (40 mesh)	235901	159246	rigid	203655	non-drip	203265
243603	gear lube			187046	rigid	201540	non-drip	201701
243604	oil			109160	flexible	203655	non-drip	203687
	IMPERIAL MODELS (23 lpm)							
243599	oil	185416 (40 mesh)	235878	159246	rigid	203655	non-drip	203265
243600	gear lube			187046	rigid	201540	non-drip	201701
243601	oil			109160	flexible	203655	non-drip	203687
	BARE VALVE							
243992	oil, gear lube	185416 (40 mesh)						

EM12 (MANUAL) ELECTRONIC METERED DISPENSE VALVES



Fluids	Petroleum and synthetic based oils
Flow range, lpm	Up to 45
Max working pressure, bar	102
Pressure loss over the meter, bar	
Operating temp. range, °C	-20 to 55
Inlet swivel	½" NPT (f) and ¾" NPT(f)
Outlet (on housing)	½" NPT(f)
Trigger lock	Yes
Accuracy**	1%
Units	Liters and imperial units
Max totalizer amount	19 999
Max recorded dispensed volume	999.99
Battery	Integrated in electronic control, not replaceable separately

DOC 199156

Manual 308642

Part #	Fluid	Swivel	Inlet filter	Meter	Extension		Nozzle	
					Part #	Type	Part #	Type
	METRIC MODELS (45 lpm)							
238642	Oil	½" NPT(f)	185416 (40 mesh)	244076*	191403	rigid	238400	non-drip
238643					238401	flexible		
238638		¾" NPT(f)			191403	rigid		
238639					238401	flexile		
	IMPERIAL MODELS (45 lpm)							
238640	Oil	½" NPT(f)	185416 (40 mesh)	244075**	191043	rigid	238400	non-drip
238641					238401	flexible		
238636		¾" NPT(f)			191043	rigid		
238637					238401	flexible		
	BARE VALVE							
238647	Oil	½" NPT(f)	185416 (40 mesh)					
238646		¾" NPT(f)						

* includes replaceable 235901 electronic control

** includes replaceable 235878 electronic control



IN-LINE ELECTRONIC METERS



239824



244075
244076



247453
24G738

	IM5	IM6		SDI15	
Part #	239824	244075	244076	247453	24G738
Fluid(s)	Petroleum and synthetic based oils, antifreeze and windshield wash fluid	Petroleum and synthetic based oils		Petroleum and synthetic based oils and antifreeze	DEF only
Use	outdoor	outdoor		indoor	
Flow range, lpm	1.9 – 19	0.4 – 45		1.9 – 5.7	
Max working pressure, bar	34	103		103	
Operating temperature range	-20° C to 50° C	-20° C to 55° C		-20° C to 55° C	
Pressure loss over the meter, bar	1 @ 19 lpm	no data		no data	
Inlet and outlet	1/2 " NPT	1/2 " NPT		1/2 " NPT	
Accuracy*	±0.5%	1%		±0.5% ***	±2.5%****
Repeatability**	± 0.15 %	no data		± 0.15 %	
Units	Metric and imperial	Metric (liters)	Imperial	Metric and imperial	
Max totalizer amount	99 999 units	19 999		99 999	
Max recorded dispense	999.99 units	999.99		99.999	
Battery	9V alkaline	Integrated in electronic control, not replaceable separately		2 AA alkaline	
Average battery life time	6-12 months	1000 hrs		6-12 months	
Manual	306687	307965		313048	

* , ** @ 9.5 lpm at 21° C with 10 weight oil and 3.8 l dispensed

*** out of box accuracy is ±1.25%, requires recalibration to obtain ±0.5%

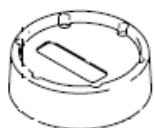
**** out of box accuracy is ± 5%, requires recalibration to obtain ± 2.5%

Impact guards for IM6



191782 (black)
191783 (red)
191784 (blue)

Control for IM6
(includes battery)



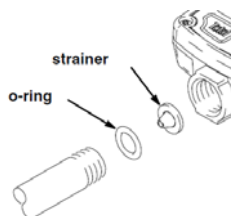
235878 (for 244075)
235901 (for 244076)

40 mesh strainer kit
for IM6



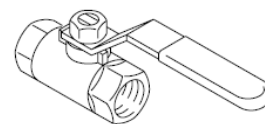
233179

80m mesh strainer kit
for IM5



233876

Shut-off valve
1/2" NPT FBE



108458

LDM5 (MANUAL) AND LDP5 (PRESET) ELECTRONIC METERED DISPENSE VALVES



255751
24F881
24F887



256215
24F882
24F888



258693
24F885
24F891



255277
24F883
24F889



256216
24F884
24F890



258694
24F886
24F892

Fluids	Oil, anti-freeze, gear lube*
Flow range, lpm	0.4 – 19
Max working pressure, bar	69
Pressure loss over the meter, bar	1.2 @ 19 lpm
Operating temp. range, °C	0-49
Inlet swivels	See the below chart
Outlet (on the meter housing)	3/8" NPT(f)
Accuracy**	+ 0.5 %
Units	Liters and imperial units
Max totalizer amount	99 999 units
Max recorded dispensed volume	999.99 units
Max preset volume (LDP5 only)	99.99 units
Battery	9V alkaline

* To use with gear lube order 238371 nozzle. Mounts on meter with automatic nozzles only.

** Obtained at 9.5 lpm, 21 deg. C with 10W motor oil and 3.8 l dispensed

DOC 199265

Manual 312668
Brochure 339747

Part #	Swivel Cover	Inlet Filter	Impact Guard	Inlet swivel			Extension		Nozzle	
				½" NPT	½" BSPT	½" BSPP	Part #	Type	Part #	Type
MANUAL LDM5 (19 lpm)										
255751		114017 (80 mesh)		240416			15E808	flexible	255466	standard
256215	191294 (black)		247759 (black)				191036	rigid	239829	automatic
258693							238370	flexible		
24F881			247759 (black)	24G805		15E808	flexible	255466	standard	
24F882	191294 (black)					191036	rigid	239829	automatic	
24F885						238370	flexible			
24F887			247759 (black)	24G806	15E808	flexible	255466	standard		
24F888	191294 (black)				191036	rigid	239829	automatic		
24F891					238370	flexible				
PRESET LDP5 (19 lpm)										
255277		114017 (80 mesh)		240416			15E808	flexible	255466	standard
256216	191294 (black)		247759 (black)				191036	rigid	239829	automatic
258694							238370	flexible		
24F883			247759 (black)	24G805		15E808	flexible	255466	standard	
24F884	191294 (black)					191036	rigid	239829	automatic	
24F886						238370	flexible			
24F889			247759 (black)	24G805	15E808	flexible	255466	standard		
24F890	191294 (black)				191036	rigid	239829	automatic		
24F892					238370	flexible				



ACCESSORIES FOR LDM5 AND LDP5 DISPENSE VALVES

NOZZLE EXTENSION KITS FOR LD SERIES METERS



Part Number	Description
255861	Automatic nozzle with flexible extension for oil and anti-freeze*
239949	Automatic thermal compensating nozzle with rigid extension for oil and anti-freeze
239951	Automatic thermal compensating nozzle with flexible extension for oil and anti-freeze
239950	Automatic thermal compensating nozzle with rigid extension for gear lube
239829	Automatic thermal compensating nozzle for oil and anti-freeze without extension
238371	Automatic thermal compensating gear lube nozzle without extension

*Economical extension used on models 255751 and 255277

INLET SWIVEL COVERS FOR LD SERIES METERS

191294	Black
191287	Red
191288	Blue
191289	Green
191295	Yellow



TRIGGER GUARDS FOR LD SERIES METERS

247759	Black
243835	Red
243836	Blue
243837	Green
247760	Yellow



FILTERS FOR LD SERIES METERS

255884	Filter kit includes (10) filters/strainers (114017) and (10) O-rings (109018)
--------	---

EM5/PM5 UPGRADE KITS

257350	EM5 to LDM5
257351	PM5 to LDP5

Additional LDM5 Accessories

240416	Inlet Swivel
114017	Inlet Filter, 80 mesh
196471	Valve Bracket for Dispense Console
240453	Valve Repair Kit
238555	Electronic Cover Control Assembly Kit

SDM5 & SDM15 (MANUAL) ELECTRONIC METERED DISPENSE VALVES



Fluids	Oil, 50/50 anti-freeze/water mix, gear lube	
Flow range, lpm	SDM5	0.4-19
	SDM15	1-53
Max working pressure, bar	Oil	103
	50/50 anti-freeze/water mix	62
Pressure loss over the meter, bar	5.5 @ 38 lpm	
Operating temp. range, °C	0-49	
Inlet swivel	See the below chart	
Outlet (on housing)	3/4 -16 straight thread o-ring boss	
Accuracy*	+ 0.5 %	
Units	Liters and imperial units	
Max totalizer amount	99 999 units	
Max recorded dispensed volume	999.99 units	
Battery	4AA 1.5 V alkaline or lithium	

* Obtained at 9.5 lpm, 21 deg. C with 10W motor oil and 3.8 l dispensed

DOC 199270

Manual 312865
Brochure 339747

Part #	Fluid	Swivel Cover	Inlet filter	Inlet swivel			Extention		Nozzle			
				NPT	BSPT	BSPP	Part #	Type	Part #	Type		
	MANUAL SDM5 (19 lpm)											
255348	oil	15T366 Black	15M308 40 mesh	247344 ½" NPT(f)			121098	flexible	255459	automatic		
255349	gear lube						255754	rigid	255470	quick close		
255350	oil						255194		255459	automatic		
255802	anti-freeze						121098	flexible	255460			
255803	oil	15T366 Black	15M308 40 mesh	24H097 ½" BSPT(f)			255754	rigid	255459	quick close		
24H109	gear lube						255194		255470	automatic		
24H111	oil						121098	flexible	255459	automatic		
24H113	anti-freeze								255460			
24H131	oil	15T366 black	15M308 40 mesh		24H098 ½" BSPP(f)		255754	rigid	255470	quick close		
24H133	anti-freeze						255194		255459	automatic		
24H108	oil						121098	flexible	255460			
24H110	gear lube						255754	rigid	255470	quick close		
24H112	oil						255194		255459	automatic		
24H130	anti-freeze						121098	flexible	255460			
24H132												
	MANUAL SDM15 (53 lpm)											
255800	oil	15T366 Black	15M308 40 mesh	247345 ¾" NPT			255194	rigid	255461	automatic		
255801				247344 ½" NPT(f)			121098	flexible				
256836							255194	rigid				
256837				121098			flexible					
24H127		15T366 Black	15M308 40 mesh		24H099 ¾" BSPT(f)			255194	rigid		255461	
24H129					24H097 ½" BSPT(f)			121098	flexible			
24H151								255194	rigid			
24H153					121098			flexible				
24H126		15T366 Black	15M308 40 mesh			24H100 ¾" BSPP(f)		255194	rigid		255461	
24H128								24H098 ½" BSPP(f)	121098			flexible
24H150									255194			rigid
24H152								121098	flexible			



SDP5 & SDP15 (PRESET) ELECTRONIC METERED DISPENSE VALVES



Fluids	Oil, 50/50 anti-freeze/water mix, gear lube
Flow range, lpm	SDP5 0.4-19
	SDP15 1-53
Max working pressure, bar	Oil 103
	50/50 anti-freeze/water mix 62
Pressure loss over the meter, bar	5.5 @ 38 lpm
Operating temp. range, °C	0-49
Accuracy**	± 0.5 %
Inlet swivel	See the below chart
Outlet (on housing)	3/4 -16 straight thread o-ring boss
Units	Liters and imperial units
Max totalizer amount	99 999 units
Max recorded dispensed volume	999.99 units
Max preset volume	999.9 units
Battery	4AA 1.5 V alkaline or lithium

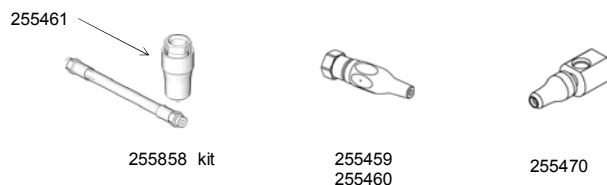
* Obtained at 9.5 lpm, 21 deg. C with 10W motor oil and 3.8 l dispensed

Manual 312865
Brochure 339747

DOC 199270

Part #	Fluid	Swivel Cover	Inlet filter	Inlet swivel			Extention		Nozzle		
				NPT	BSPT	BSPP	Part #	Type	Part #	Type	
	PRESET SDP5 (19 lpm)										
255200	oil	15T366 Black	15M308 40 mesh	247344 ½" NPT(f)			255194	rigid	255459	automatic	
255351	oil						121098	flexible			
255352	geal lube						255754	rigid	255470	quick close	
255355	anti-freeze						255194	rigid	255460	automatic	
255356		121098	flexible								
24H107	oil	15T366 Black	15M308 40 mesh	24H097 ½" BSPT(f)		255194	rigid	255459			
24H115	oil					121098	flexible				
24H117	geal lube					255754	rigid	255470	quick close		
24H123	anti-freeze					255194	rigid	255460	automatic		
24H125		121098	flexible								
24H106	oil	15T366 Black	15M308 40 mesh		24H098 ½" BSPP(f)	255194	rigid	255459			
24H114	oil					121098	flexible				
24H116	geal lube					255754	rigid	255470	quick close		
24H122	anti-freeze					255194	rigid	255460	automatic		
24H124		121098	flexible								
	PRESET SDP15 (53 lpm)										
255353	oil	15T366 Black	15M308 40 mesh	247345 ¾" NPT			255194	rigid	255461	automatic	
255354				247344 ½" NPT(f)			121098	flexible			
256838							255194	rigid			
256839				121098			flexible				
24H119		15T366 Black	15M308 40 mesh	24H099 ¾" BSPT(f)	24H097 ½" BSPT(f)		255194	rigid	255461		
24H121							121098	flexible			
24H155							255194	rigid			
24H157							121098	flexible			
24H118		15T366 Black	15M308 40 mesh			24H100 ¾" BSPP(f)	255194	rigid	255461		
24H120							121098	flexible			
24H154							255194	rigid			
24H156							121098	flexible			

ACCESSORIES FOR SDM5, SDM15, SDP5 AND SDP15 ELECTRONIC METERED DISPENSE VALVES



NOZZLE EXTENSION REPLACEMENT KITS FOR SD SERIES METERS

Part Number	Description
255852	Automatic non-drip quick-close nozzle with rigid extension for oil
255853	Automatic non-drip quick-close nozzle with flexible extension for oil
255854	Non-drip quick-close nozzle with rigid extension for gear lube
255855	Non-drip quick-close nozzle with rigid extension for anti-freeze
255856	Non-drip quick-close nozzle with flexible extension for anti-freeze
255459	Automatic non-drip quick-close nozzle only for oil
255460	Quick-close nozzle only for anti-freeze
255470	Quick-close nozzle only for gear oil
255857	Non-drip quick-close high-flow nozzle with rigid extension for oil and anti-freeze
255858	Non-drip quick-close high-flow nozzle with flexible extension for oil and anti-freeze
255461	Quick-close high-flow nozzle only for oil and anti-freeze

Above nozzles and extension kits serve as replacements for the SDV15 and SDM15 meters.

SWIVEL COVERS FOR SD SERIES METERS

Part Number	Description
15T366	Black swivel cover (standard color with meter)
15T367	Red swivel cover
15T368	Blue swivel cover
15T369	Green swivel cover
15T370	Yellow swivel cover

Color code your
meters to easily
identify which fluid
you're dispensing.



FILTER KITS FOR SD SERIES METERS

Part Number	Description
255885	Filter kit includes (10) filters/strainers (15M308), (10) spacers (15M309) and (10) O-rings (155332)



PRO-SHOT NON-METERED GREASE DISPENSE VALVE



Valve with coupler



Valve without coupler

Grease grade	Up to NLGI2
Max working pressure, bar	550
Inlet	1/4 (f) or 3/8 (f)
Outlet	1/8 NPT (f)

Service Kit 243446

Manual for valve 309032
Manual for service kit 309119

Part #	Inlet			Extension	Coupler	Extension + adapter kit	DOI
	NPT	BSPT	BSPP	Part #	Part #	Part #	
1/4" INLET							
242055	1/4" NPT (f)			not saleable	200325	200389	199007
242056	195610						
24H399		1/4" BSPT (f)		not saleable	200325	200389	
24H400		16G884					
24H403			1/4" BSPP (f)	not saleable	200325	200389	
24H404			16G885				
3/8" INLET							
242057	3/8" NPT(f)			not saleable	200325	200389	199007
242058	195610						
24H401		3/8" BSPT (f)		not saleable	200325	200389	
24H402		16G886					
24H405			3/8" BSPT (f)	not saleable	200325	200389	
24H406			16G887				

Parts in purple have Declaration of Incorporation (comply with ess.requirements of the MSD), assessment and CE marking of the final assembly to be done by customer

ACCU-SHOT METERED GREASE VALVE



233807 (ounces and pounds)
233933 (grams and kilograms)

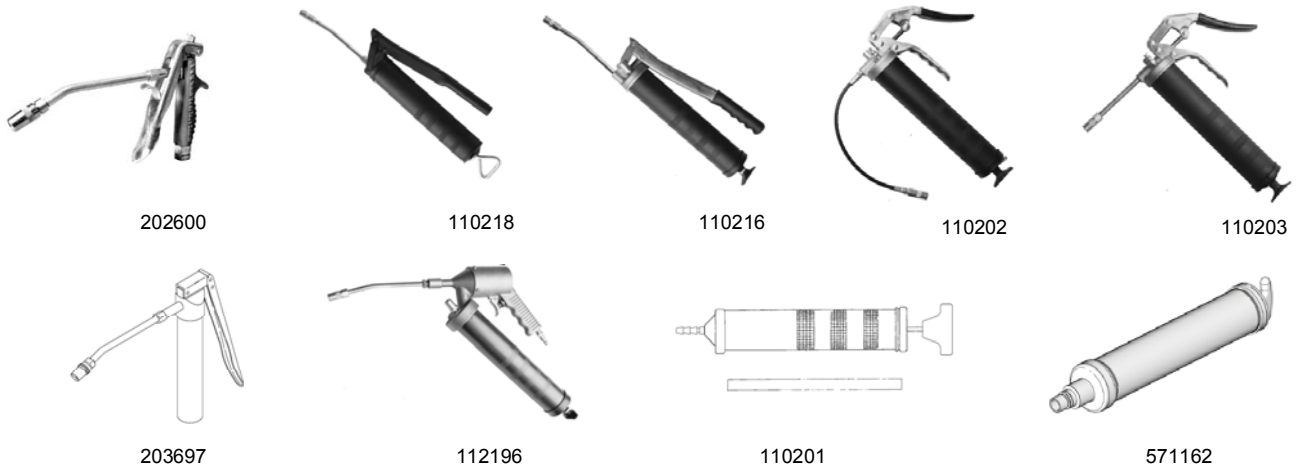
DOC 199057

Manual 309454

Grease grade	up to NLGI2
Flow range, lpm	up to 1
Max working pressure, bar	345
Operating temp. range, °C	0-60
Accuracy	+ 3 % with NLGI2 grease
Repeatability	+/- 1 % with NLGI2 grease
Inlet	¼" NPT(f)
Units	g, kg, oz, lb*
Max totalizer amount, not zero-settable	999.9 units
Max recorded dispensed volume, zero-settable	999.9 units
Battery	2 AA 1.5 V alkaline

* these are volumetric valves. Do calibration every time you change grease

MANUAL GREASE GUNS AND FITTINGS

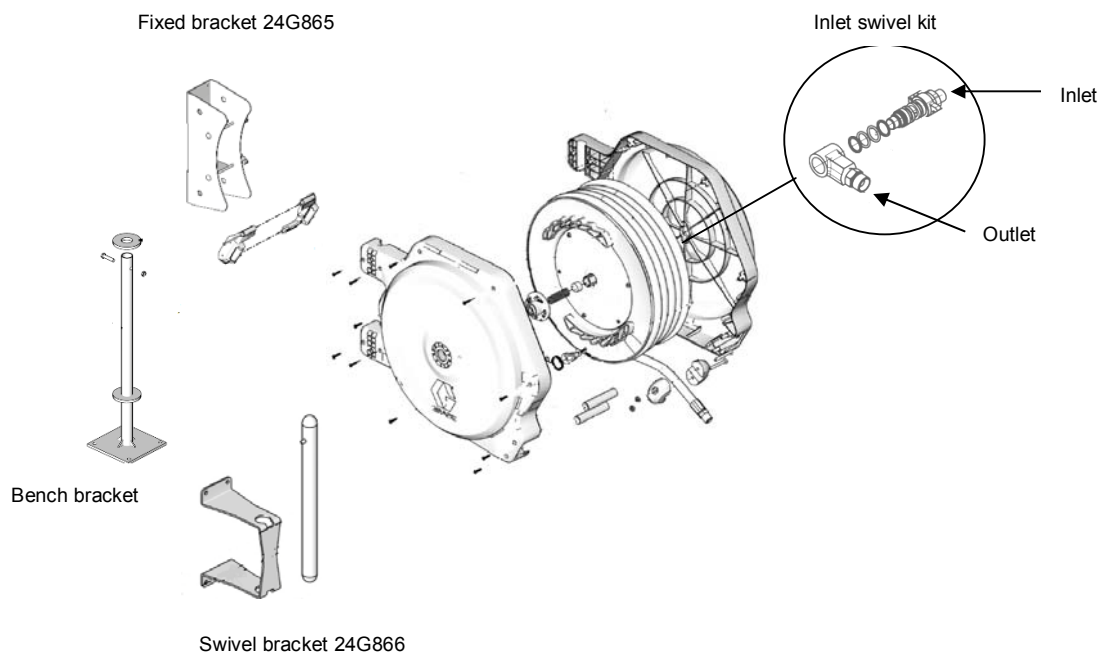


Part #	Type	Max outlet P, bar	Delivry, g/40 strokes	Reservoir capacity	Feed/feel	Manual
202600	Power-Shot Booster Gun	1240	no data	n/a	HP lubricator	306271
110218	Standard Lever Grease Gun	400	51	no data	Bulk feel, cartridge	
110216	Heavy Duty Lever Grease Gun	690	34	no data	Bulk feel, cartridge, load. fitting	
110202	Pistol-Matic Grease Gun	241	28	no data	Bulk feel, cartridge, load. fitting	
110203	Pistol-Matic Grease Gun	241	28	no data	Bulk feel, cartridge, load. fitting	
203697	Hot-Shot Poratable Booster Gun	700	no data	113 g	Loading fitting	306460
112196	Pistol Style Air Operated Gun	414	34	no data	Bulk feel, cartridge, load. fitting	
110201	Suction Gun	n/a	n/a	473 cc	n/a	
571162	G3 refill gun	n/a	n/a	no data	Bulk feel	3A1783

SWIVELS

Part #	Dimensions	Material		Max P, bar	Manual
		Swivel	Seals		
STRAIGHT 					
204082	1/8" NPT(m) – 1/8 NPT(f)	steel	leather	550	306708
204083	1/4" NPT(m) – 1/8 NPT(f)				
204084	1/4" NPT(m) – 1/4 NPT(f)				
					
214925	3/8" NPT(f) – ¼" NPSM(f-union)	steel	leather	345	306861
214926	3/8" NPT(f) – 1/2" NPSM(f-union)		Polyurethane		307005
207946	3/8" NPT(f) – 1/2" NPSM(f-union)				
207947	1/2" NPT(f) – 1/2" NPT(f)				
Z-TYPE 					
202577	¼ NPT(f) – ¼ NPT(m)	steel	leather	450	306708
202579	1/8 NPT(m) – ¼ NPT(f)		polyurethane	413	307005
207948	½ NPT(f)-1/2 NPT (m)				
224569	3/8 NPT(m) – 3/8 NPT(f)				
360° -TYPE 					
203198	1/8 NPT (m) – 1/8 NPT(f)	steel		560	306708

ENCLOSED LD HOSE REELS

[illegible]



Graco Product Guide

Technical Data

PUMP PERFORMANCE CHARTS " Two Ball Pumps"

FAST-FLO PUMP (Stroke 101mm)

Flow rate l/min.	1,3:1	1:1	2:1
Flow rate for 1 DS	0,15	0,20	0,10
Flow rate for 10 DS	1,50	2,00	1,00
Flow rate for 20 DS	3,00	4,00	2,00
Flow rate for 30 DS	4,50	6,00	3,00
Flow rate for 40 DS	6,00	8,00	4,00
Flow rate for 50 DS	7,50	10,00	5,00
Flow rate for 100 DS	15,00	20,00	10,00

AIR CONSUMPTION (LITRES)

Vol. bar	1 bar	2 bar	3 bar	4 bar	5 bar
0,22	0,44	0,66	0,88	1,10	1,32
2,20	4,40	6,60	8,8	11,00	13,20
4,40	8,80	13,20	17,6	22,00	26,40
6,60	13,20	19,80	26,40	33,00	39,60
8,80	17,60	26,40	35,20	44,00	52,80
11,00	22,00	33,00	44,00	55,00	66,00
12,00	44,00	66,00	88,00	110,00	122,00

STANDARD PUMP (Stroke 76mm)

Flow rate l/min.	1.5:1
Flow rate for 1 DS	0,071
Flow rate for 50 DS	3,55
Flow rate for 100 DS	7,9

Vol. bar	1 bar	2 bar	3 bar	4 bar	5 bar
0,16	0,32	0,48	0,64	0,80	0,96
8,00	16,00	24,00	32,00	40,00	48,00
16,00	32,00	48,00	64,00	80,00	96,00

Air Inlet:	¼" npt(f)
Fluid Inlet:	¾" npt(f)
Fluid Outlet:	1 ½" npt(f)

Max. speed:	100 cycles/min	Manual: 307427
Max. Air inlet:	12,4 bar	
Air Volume / DS	0,16 / 0,22 Liter	

FIREBALL & MONARK PUMP (Stroke 76mm)

Flow rate l/min.	1,5:1	5:1	10:1	15:1	23:1
Flow rate for 1 DS	0,465	0,15	0,063	0,038	0,027
Flow rate for 10 DS	4,65	1,50	0,63	0,38	0,27
Flow rate for 20 DS	9,30	3,00	1,26	0,78	0,54
Flow rate for 30 DS	13,95	4,50	1,89	1,14	0,81
Flow rate for 40 DS	18,00	6,00	2,52	1,52	1,08
Flow rate for 50 DS	23,25	7,50	3,15	1,90	1,35
Flow rate for 60 DS	27,90	9,00	3,78	2,28	1,62
Flow rate for 70 DS	32,55	10,50	4,41	2,66	1,89

AIR CONSUMPTION (LITRES)

Vol. bar	1 bar	2 bar	3 bar	4 bar	5 bar
0,7	1,4	2,1	2,8	3,5	4,2
7,0	14,0	21,0	28,0	35,0	42,0
14,0	28,0	42,0	56,0	70,0	84,0
21,0	42,0	63,0	84,0	105,0	126,0
18,0	56,0	84,0	112,0	140,0	168,0
35,0	70,0	105,0	140,0	175,0	210,0
42,0	84,0	126,0	168,0	210,0	252,0
49,0	98,0	147,0	196,0	245,0	294,0

Air Inlet:	1/2" npt(f)
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Max. Air inlet:	12,4 bar	Manual: 307043
Air Volume / DS	0,7 Liter	

PRESIDENT PUMP

Flow rate l/min.	3:1	10:1	15:1	30:1	46:1
Flow rate for 1 DS	0,62	0,20	0,108	0,061	0,035
Flow rate for 10 DS	6,20	2,00	1,08	0,61	0,35
Flow rate for 20 DS	12,40	4,00	2,16	1,22	0,70
Flow rate for 30 DS	18,60	6,00	3,24	1,83	1,05
Flow rate for 40 DS	24,80	8,00	4,32	2,44	1,40
Flow rate for 50 DS	31,00	10,00	5,40	3,05	1,75
Flow rate for 60 DS	37,20	12,00	6,48	3,66	2,10

AIR CONSUMPTION (LITRES)

Vol. bar	1 bar	2 bar	3 bar	4 bar	5 bar
1,9	3,8	5,7	7,6	9,5	11,4
19,0	38,0	47,0	76,0	95,0	114,0
38,0	76,0	114,0	152,0	190,0	228,0
57,0	114,0	171,0	228,0	285,0	342,0
76,0	152,0	228,0	304,0	380,0	456,0
95,0	190,0	285,0	380,0	475,0	570,0
114,0	228,0	342,0	458,0	570,0	684,0
133,0	266,0	399,0	532,0	665,0	798,0

Air Inlet:	1/2" npt(f)
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Max. Air inlet:	12,4 bar	Manual: 307043
Air Volume / DS	1,9 Liter	

Technical Data

PUMP PERFORMANCE CHARTS " Two Ball Pumps"

BULLDOG PUMP

Flow rate l/min.	5:1	10:1	14:1	21:1	28:1	33:1	41:1	60:1
1 DS	1,108	0,57	0,434	0,289	0,217	0,181	0,145	0,095
10 DS	11,08	5,79	4,34	2,89	2,17	1,81	1,45	0,95
20 DS	22,16	11,5	8,68	5,78	4,34	3,62	2,90	1,90
30 DS	32,24	17,3	13,02	8,67	6,51	5,43	4,35	2,85
40 DS	44,32	23,1	17,36	11,56	8,68	7,24	5,80	3,30
50 DS	55,40	28,9	21,70	14,45	10,85	9,05	7,25	4,75

AIR CONSUMPTION (LITRES)

Vol. bar	1 bar	2 bar	3 bar	4 bar	5 bar
6	12	18	24	30	36
60	120	180	240	300	360
120	240	360	480	600	720
180	360	540	720	900	1080
240	480	720	960	1200	1440
300	600	900	1200	1500	1800

Air Inlet:	3/4" npt(f)	Max. Air inlet:	7 bar	Manual: 307043
		Air Volume / DS	6 Liter	

KING PUMP

Flow rate l/min.	3:1	10:1	20:1	28:1	56:1	68:1
1 DS	3,953	1,108	0,579	0,434	0,217	0,181
10 DS	39,53	11,08	5,79	4,34	2,17	1,81
20 DS	79,06	22,06	11,58	8,68	4,34	3,62
30 DS	118,59	33,24	17,37	13,02	6,51	5,43
40 DS	158,12	44,32	23,16	17,36	8,68	7,24
50 DS	197,65	55,40	28,95	21,70	10,85	9,05

AIR CONSUMPTION (LITRES)

Vol. bar	1 bar	2 bar	3 bar	4 bar	5 bar
12	24	36	48	60	73
121	243	364	486	607	729
243	486	729	972	1215	1458
364	729	1093	1458	1822	2187
486	972	1458	1944	2430	2916
607	1215	1822	2430	3037	3645

Air Inlet:	3/4" npt(f)	Max. Air inlet:	7 bar	Manual: 309348
		Air Volume / DS	12 Liter	

Note:
All numbers refer to the sucked in compressed air.
The pressure numbers state the overpressure in bar.
DS = Double stroke. Viscosity DIN CUP 4,10"



Graco Product Guide

Technical Data

PUMP PERFORMANCE CHARTS “Check-Mate”

FIREBALL & MONARK “Check-Mate” PUMP

Flow rate l/min.	10:1	23:1	50:1	80:1
Flow rate for 1 DS	0.068	0.030	0.012	0.0047
Flow rate for 10 DS	0.68	0.30	0.125	0.047
Flow rate for 20 DS	1.36	0.60	0.25	0.096
Flow rate for 30 DS	2.04	0.90	0.37	0.141
Flow rate for 40 DS	2.72	1.20	0.50	0.188
Flow rate for 50 DS	3.40	1.50	0.62	0.235
Flow rate for 60 DS	4.08	1.80	0.75	0.282
Flow rate for 70 DS	4.76	2.10	0.88	0.329

AIR CONSUMPTION (LITRES)

Vol. bar	1 bar	2 bar	3 bar	4 bar	5 bar
0,7	1,4	2,1	2,8	3,5	4,2
7,0	14,0	21,0	28,0	35,0	42,0
14,0	28,0	42,0	56,0	70,0	84,0
21,0	42,0	63,0	84,0	105,0	126,0
28,0	56,0	84,0	112,0	140,0	168,0
35,0	70,0	105,0	140,0	175,0	210,0
42,0	84,0	126,0	168,0	210,0	252,0
49,0	98,0	147,0	196,0	245,0	294,0

Air Inlet:	1/2" npt(f)
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Max. Air inlet:	12,4 bar	Manual: 307043
Air Volume / DS	0,7 Liter	

PRESIDENT “Check-Mate” PUMP

Flow rate l/min.	20:1	46:1
Flow rate for 1 DS	0.091	0.040
Flow rate for 10 DS	0.91	0.40
Flow rate for 20 DS	1.82	0.80
Flow rate for 30 DS	2.73	1.20
Flow rate for 40 DS	3.64	1.60
Flow rate for 50 DS	4.55	2.00
Flow rate for 60 DS	5.46	2.40
Flow rate for 70 DS	6.37	2.80

AIR CONSUMPTION (LITRES)

Vol. bar	1 bar	2 bar	3 bar	4 bar	5 bar
1,9	3,8	5,7	7,6	9,5	11,4
19,0	38,0	47,0	76,0	95,0	114,0
38,0	76,0	114,0	152,0	190,0	228,0
57,0	114,0	171,0	228,0	285,0	342,0
76,0	152,0	228,0	304,0	380,0	456,0
95,0	190,0	285,0	380,0	475,0	570,0
114,0	228,0	342,0	458,0	570,0	684,0
133,0	266,0	399,0	532,0	665,0	798,0

Air Inlet:	1/2" npt(f)
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Max. Air inlet:	12,4 bar	Manual: 307043
Air Volume / DS	1,9 Liter	

Technical Data

PUMP PERFORMANCE CHARTS “Check-Mate”

BULLDOG “Check-Mate”^{PUMP}

Flow rate l/min.	3:1	12:1	31:1
Flow rate 1 DS	0.985	0.504	0.193
Flow rate 10 DS	9.85	5.04	1.93
Flow rate 20 DS	19.70	10.08	3.86
Flow rate 30 DS	29.55	15.12	5.79
Flow rate 40 DS	39.40	20.16	7.72
Flow rate 50 DS	49.25	25.20	9.65
Flow rate 60 DS	59.10	30.24	11.58
Flow rate 70 DS	68.95	35.28	13.51

AIR CONSUMPTION (LITRES)

Vol. bar	1 bar	2 bar	3 bar	4 bar	5 bar
6	12	18	24	30	36
60	120	180	240	300	360
120	240	360	480	600	720
180	360	540	720	900	1080
240	480	720	960	1200	1440
300	600	900	1200	1500	1800
360	720	1080	1440	1800	2160
420	840	1260	1680	2100	2520

Air Inlet:	3/4" npt(f)
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Max. Air inlet:	7 bar	Manual: 307043
Air Volume / DS	6 Liter	

KING “Check-Mate”^{PUMP}

Flow rate l/min.	24:1	50:1
Flow rate 1 DS	0.504	0.241
Flow rate 10 DS	5.04	2.41
Flow rate 20 DS	10.08	4.82
Flow rate 30 DS	15.12	7.24
Flow rate 40 DS	20.16	9.65
Flow rate 50 DS	25.20	12.05

AIR CONSUMPTION (LITRES)

Vol. bar	1 bar	2 bar	3 bar	4 bar	5 bar
12	24	36	48	60	73
121	243	364	486	607	729
243	486	729	972	1215	1458
364	729	1093	1458	1822	2187
486	972	1458	1944	2430	2916
607	1215	1822	2430	3037	3645

Air Inlet:	3/4" npt(f)
------------	-------------

Max. Air inlet:	7 bar	Manual: 309348
Air Volume / DS	12 Liter	

Note: All numbers refer to the sucked in compressed air.

Recommended DS/min.:

The pressure numbers state the overpressure in bar.

For ink pastes: 40

For oils and greases: 70

For other liquids, such as highly viscose adhesives,
bonding and thick pastes: 20-40



PUMP PERFORMANCE CHARTS "NXT Series"

2 ball pump volume "NXT" and "NXT Merkur"

Ratio	Lower (cm³)	Air Motor (cm³)	1/DS (liter)	10/DS (liter)	60/DS (liter)	Motor Type
6:1	1000	3400	1	10	60	NXT3400
10:1	1000	6500	1	10	60	NXT6500
10:1	75	400	0.075	0.75	4,5	Merkur 400
12:1	580	3400	0.58	5.8	34.8	NXT3400
15:1	25	200	0.025	0.25	1,5	Merkur 200
15:1	50	400	0.05	0.5	3	Merkur 400
15:1	150	1200	0.15	1.5	9	Merkur 1200
15:1	430	3400	0.43	4.3	25.8	NXT3400
16:1	290	2200	0.29	2.9	17.4	NXT2200
18:1	125	1200	0.125	1.25	7,5	Merkur 1200
21:1	220	2200	0.22	2.2	13.2	NXT2200
23:1	100	1200	0.1	1	6	Merkur 1200
23:1	580	6500	0.58	5.8	34.8	NXT6500
24:1	150	1800	0.15	1.5	9	Merkur 1800
24:1	180	2200	0.18	1.8	10.8	NXT2200
25:1	290	3400	0.29	2.9	17.4	NXT3400
28:1	125	1800	0.125	1.25	7,5	Merkur 1800
30:1	25	400	0.025	0.25	1,5	Merkur 400
30:1	75	1200	0.075	0.75	4,5	Merkur 1200
30:1	220	3400	0.22	2.2	13.2	NXT3400
31:1	145	2200	0.145	1.45	8.7	NXT2200
32:1	430	6500	0.43	4.3	25.8	NXT6500
35:1	115	2200	0.115	1.15	6.9	NXT2200
36:1	100	1800	0.1	1	6	Merkur 1800
40:1	180	3400	0.18	1.8	10.8	NXT3400
45:1	290	6500	0.29	2.9	17.4	NXT6500
45:1	50	1200	0.05	0.5	3	Merkur 1200
46:1	145	3400	0.145	1.45	8.7	NXT3400
48:1	50	1800	0.05	0.5	3	Merkur 1800
50:1	250	6500	0.25	2.5	15	NXT6500
55:1	115	3400	0.115	1.15	6.9	NXT3400
60:1	220	6500	0.22	2.2	13.2	NXT6500
70:1	180	6500	0.18	1.8	10.8	NXT6500
90:1	145	6500	0.145	1.45	8.7	NXT6500

NXT-Motor	
Air Inlet:	3/4" npt(f)

Manual:
311238

Merkur-Motor	M02 – M04	M07 – M18
Air Inlet:	1/4" npt(f)	1/2" npt(f)

Manual:
312796

AIR CONSUMPTION (LITRES) (1dm³ = 1 liter)

Air Motor	Volumen Liter/DS	dm³ 1bar/DS	dm³ 2bar/DS	dm³ 3bar/DS	dm³ 4bar/DS	dm³ 5bar/DS	dm³ 6bar/DS
200	0,4	0,8	1,2	1,6	2	2,4	2,8
400	0,8	1,6	2,4	3,2	4	4,8	5,6
700	1,4	2,8	4,2	5,6	7	8,4	9,8
1200	2,4	4,8	7,2	9,6	12	14,4	16,8
1800	3,6	7,2	10,8	14,4	18	21,6	25,2
2200	4,4	8,8	13,2	17,6	22	26,4	30,8
3400	6,8	13,6	20,4	27,2	34	40,8	47,6
6500	13	26	39	52	65	78	91

Technical Data

PUMP PERFORMANCE CHARTS
NXT- Series "Check-Mate"

Ratio	Lower (cm³)	Air Motor (cm³)	1/DS (liter)	10/DS (liter)	60/DS (liter)	Motor Type
5:1	60	200	0,06	0,6	3,6	Merkur 200
11:1	60	400	0,06	0,6	3,6	Merkur 400
14:1	500	6500	0.5	5	30	NXT 6500
20:1	60	700	0.06	0,6	3,6	Merkur 700
23:1	200	2200	0.2	2	12	NXT 2200
26:1	500	6500	0.5	5	30	NXT 6500
29:1	250	6500	0.25	2,5	15	NXT 6500
36:1	200	6500	0.2	2	12	NXT 6500
38:1	60	1200	0.06	0,6	3,6	Merkur 1200
39:1	500	9600	0.5	5	30	Premier
40:1	100	2200	0.1	1	6	NXT 2200
55:1	250	1200	0.25	2,5	15	NXT 6500
61:1	60	6500	0.06	0,6	3,6	Merkur 1800
63:1	100	1800	0.1	1	6	NXT 6500
68:1	200	2200	0.2	2	12	NXT 6500
82:1	250	9600	0.25	2,5	15	Premier

NXT-Motor	All size
Air Inlet:	3/4" npt(f)

Manual: 311238

Merkur-Motor	M02 – M04	M07 – M18
Air Inlet:	1/4" npt(f)	1/2" npt(f)

Manual: 312796

AIR CONSUMPTION (LITRES) (1dm³ = 1 liter)

Air Motor	Volumen Liter/DS	dm³ 1bar/DS	dm³ 2bar/DS	dm³ 3bar/DS	dm³ 4bar/DS	dm³ 5bar/DS	dm³ 6bar/DS
200	0,4	0,8	1,2	1,6	2	2,4	2,8
400	0,8	1,6	2,4	3,2	4	4,8	5,6
700	1,4	2,8	4,2	5,6	7	8,4	9,8
1200	2,4	4,8	7,2	9,6	12	14,4	16,8
1800	3,6	7,2	10,8	14,4	18	21,6	25,2
2200	4,4	8,8	13,2	17,6	22	26,4	30,8
3400	6,8	13,6	20,4	27,2	34	40,8	47,6
6500	13	26	39	52	65	78	91
Premier	19,2	38,4	57,6	76,8	96	115,2	134,4



Graco Product Guide

Technical Data

PUMP PERFORMANCE CHARTS “HighFlo” 4 Ball Pumps

“NXT-Motor”

4 ball pump volume “HighFlo” 4 Ball Pumps

Ratio	Lower (cm³)	Air Motor (cm³)	1/DS (liter)	10/DS (liter)	60/DS (liter)
1,7:1	4000	3400	4,0	40	240
2:1	2000	2200	2,0	20	120
2,3:1	3000	2200	3,0	30	180
3:1	1500	2200	1,5	15	90
3,3:1	4000	6500	4,0	40	240
3,5:1	2000	3400	2,0	20	120
4:1	1000	2200	1,0	10	60
4,4:1	3000	6500	3,0	30	180
4,5:1	1500	3400	1,5	15	90
6:1	2000	6500	2,0	20	120

AIR CONSUMPTION (LITRES) (1dm³ = 1 liter)

Air Motor	Volumen Liter/DS	dm³ 1bar/DS	dm³ 2bar/DS	dm³ 3bar/DS	dm³ 4bar/DS	dm³ 5bar/DS	dm³ 6bar/DS
2200	4.4	8,8	13,2	17,6	22	26,4	30,8
3400	6.8	13,6	20,4	27,2	34	40,8	47,6
6500	13	26	39	52	65	78	91

PRESIDENT “HighFlo” 4 Ball Pump

Flow rate l/min.	2:1	3:1
Flow rate for 1 DS	0.89	0.61
Flow rate for 10 DS	8,9	6,1
Flow rate for 20 DS	17,8	12,2
Flow rate for 30 DS	26,7	18,3
Flow rate for 40 DS	35,6	24,4
Flow rate for 50 DS	44,5	30,5
Flow rate for 60 DS	53,4	36,6
Flow rate for 70 DS	62,3	42,7

AIR CONSUMPTION (LITRES)

Vol. bar	1 bar	2 bar	3 bar	4 bar	5 bar
1,9	3,8	5,7	7,6	9,5	11,4
19,0	38,0	47,0	76,0	95,0	114,0
38,0	76,0	114,0	152,0	190,0	228,0
57,0	114,0	171,0	228,0	285,0	342,0
76,0	152,0	228,0	304,0	380,0	456,0
95,0	190,0	285,0	380,0	475,0	570,0
114,0	228,0	342,0	458,0	570,0	684,0
133,0	266,0	399,0	532,0	665,0	798,0

Air Inlet:	1/2" npt(f)
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Max. Air inlet:	12,4 bar	Manual: 307043
Air Volume / DS	1,9 Liter	

Technical Data

PUMP PERFORMANCE CHARTS
"Husky"

Husky 205 Viscosity: Max 500cps	Air Inlet:	¼ " NPT (f)
	Fluid inlet / Fluid outlet:	¼ " NPT (f) or ¼ " BSP (f)
	Volume per cycles:	46cc
	Volume 25 cycles:	1,15 litre
	Maximum suction lift dry:	2,5 to 3 meter
	Max. operating temperature:	82 deg. Celsius

Husky 307 Viscosity: Max 500cps	Air Inlet:	¼ " NPT (f)
	Fluid inlet / Fluid outlet:	3/8 " NPT (f) or 3/8 " BSP (f)
	Volume per cycles:	79cc
	Volume 25 cycles:	1,58 litre
	Maximum suction lift dry:	to 3,7 meter
	Maximum suction lift wet:	to 6,4 meter

Husky 515 Husky 716 Viscosity: Max 5.000cps	Air Inlet:	¼ " NPT (f)
	Fluid inlet / Fluid outlet:	½" or ¾" NPT (f) or BSP (f)
	Volume per cycles:	150cc
	Volume 25 cycles:	3,75litre
	Maximum suction lift dry:	to 4,5 meter
	Maximum suction lift wet:	to 7,6 meter

Husky 1050 Viscosity: Max 10.000cps Max. size pumpable solids: 3,2mm	Air Inlet:	1/2 " NPT (f)
	Fluid inlet / Fluid outlet:	1" NPT (f) / BSP (f) or Flange
	Volume per cycles:	0,64cc
	Volume 40 cycles:	24,6 litre
	Maximum suction lift dry:	to 4,9 meter
	Maximum suction lift wet:	to 8,8 meter

Husky 1590 Viscosity: Max 15.000cps Max. size pumpable solids: 4,8mm	Air Inlet:	1/2 " NPT (f)
	Fluid inlet / Fluid outlet:	1,5" NPT(f) / BSP(f) or Flange
	Volume per cycles:	1,96cc
	Volume 25 cycles:	49Litre
	Maximum suction lift dry:	to 5,48 meter
	Maximum suction lift wet:	to 5,48 meter

Husky 2150 Viscosity: Max 20.000cps Max. size pumpable solids: 6,3mm	Air Inlet:	1/2" NPT (f)
	Fluid inlet / Fluid outlet:	2" NPT(f) / BSP(f) or Flange
	Volume per cycles:	3,9cc
	Volume 25 cycles:	97 litre
	Maximum suction lift dry:	to 5,48 meter
	Maximum suction lift wet:	to 5,48 meter

Husky 3250 Viscosity: Max 25.000cps Max. size pumpable solids: 9,4mm	Air Inlet:	3/4" NPT (f)
	Fluid inlet / Fluid outlet:	3" Flange
	Volume per cycles:	7,6cc
	Volume 25 cycles:	190 Litre
	Maximum suction lift dry:	to 2,5 meter
	Maximum suction lift wet:	to 8,5 meter



Graco Product Guide

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PUMP PERFORMANCE CHARTS "Triton"

Triton 308 Viscosity: Max 500cps	Air Inlet:	¼ " NPT (f)
	Fluid inlet / Fluid outlet:	¾" NPT(f) or M26x1,5(f) ¾" NPT or BSPP
	Volume per cycles:	160cc
	Volume 25 cycles:	3,2 litre
	Maximum suction lift dry / wet:	to 4,8 / 6,5 meter
	Max. operating temperature:	80 deg. Celsius
Triton 3D150 Viscosity: Max 500cps	Air Inlet:	¼ " NPT (f) / ¾BSPP
	Fluid inlet / Fluid outlet:	¾" NPT(f) or M26x1,5(f) ¾" NPT or BSPP
	Volume per cycles:	150cc
	Volume 25 cycles:	3,0 litre
	Maximum suction lift dry / wet:	to 1,5 / 6,5 meter
	Max. operating temperature:	80 deg. Celsius
Triton 3D350 Viscosity: Max 500cps	Air Inlet:	½ " NPT (f) / ½ BSPP
	Fluid inlet / Fluid outlet:	1" NPT(f) or 1"BSPP(f) 1" NPT(f) or 1" BSPP (f)
	Volume per cycles:	350cc
	Volume 25 cycles:	7 litre
	Maximum suction lift dry / wet:	to 2,5 / 6,7 meter
	Max. operating temperature:	80 deg. Celsius



ABOUT GRACO

Founded in 1926, Graco is a world leader in fluid handling systems and components. Graco products move, measure, control, dispense and apply a wide range of fluids and viscous materials used in vehicle lubrication, commercial and industrial settings.

The company's success is based on its unwavering commitment to technical excellence, world-class manufacturing and unparalleled customer service. Working closely with qualified distributors, Graco offers systems, products and technology that set the quality standard in a wide range of fluid handling solutions. Graco provides equipment for spray finishing, protective coating, paint circulation, lubrication, and dispensing sealants and adhesives, along with power application equipment for the contractor industry. Graco's ongoing investment in fluid management and control will continue to provide innovative solutions to a diverse global market.

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