

This manual contains IMPORTANT
WARNINGS AND INSTRUCTIONS
READ AND RETAIN FOR REFERENCE

WALL MOUNT HUSKY™ 715 AIR SPRAY SYSTEMS

100 psi (7 bar) MAXIMUM AIR INLET PRESSURE
100 psi (7 bar) MAXIMUM FLUID WORKING PRESSURE

Model 222-677

Basic Pump

Includes pump and wall bracket

Model 223-008

Complete System

Includes pump, wall bracket,
fluid regulator, hose and air spray gun

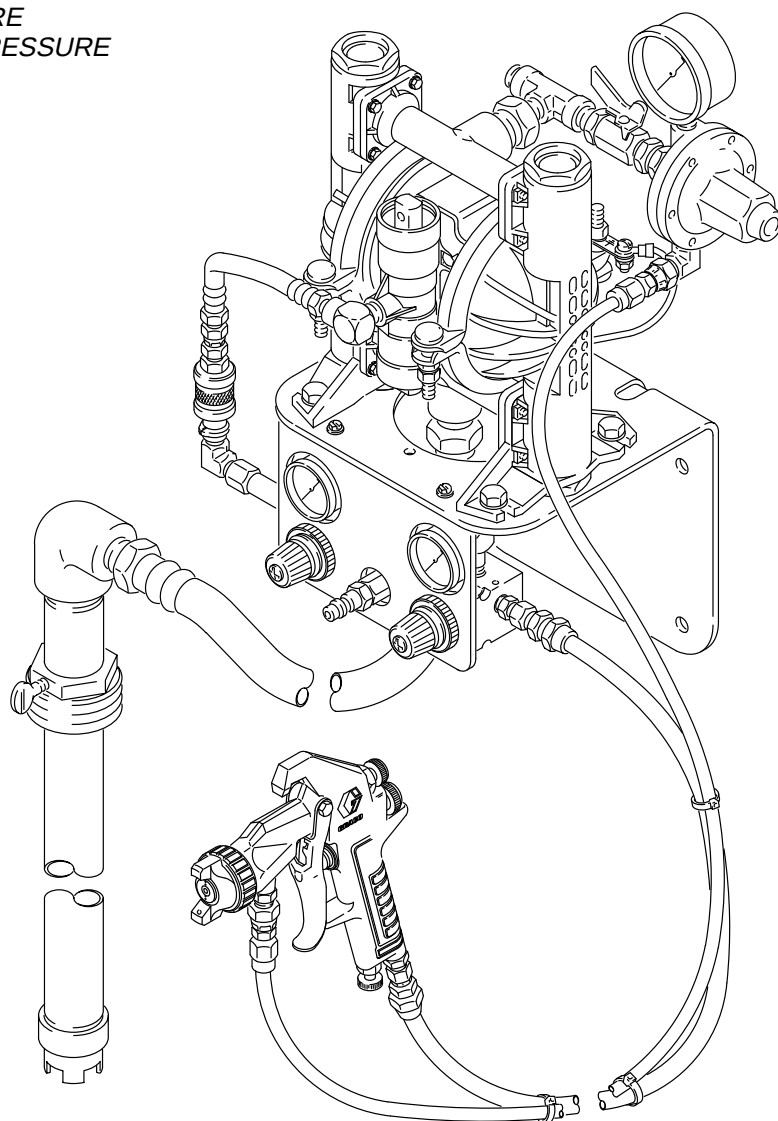


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MODEL 223-008 SHOWN

SAFETY WARNINGS

FOR PROFESSIONAL USE ONLY. OBSERVE ALL WARNINGS.

Read And Understand All Instruction Manuals Before Operating Equipment.

EQUIPMENT MISUSE HAZARD

General Safety

Any misuse of the equipment or accessories, such as overpressurizing, modifying parts, using incompatible chemicals and fluids, or using worn or damaged parts, can cause them to rupture and result in serious bodily injury, including eye injury, or fire, explosion or property damage.

NEVER alter or modify any part of this equipment; doing so could cause it to malfunction.

CHECK all equipment regularly and repair or replace worn or damaged parts immediately.

Take precautions to avoid a toxic fluid spill. See **TOXIC FLUID HAZARD**, below.

Fluid Compatibility

BE SURE all fluids and solvents used are chemically compatible with the "Wetted Parts" and "Non-wetted Parts" shown in the **TECHNICAL DATA** on the back cover. Always read the fluid and solvent manufacturer's literature before using them in this pump.

TOXIC FLUID HAZARD

Improper handling of toxic fluids or inhaling toxic vapors can cause extremely serious bodily injury, even death, due to splashing in the eyes, ingestion, or bodily contamination. Know what fluid you are pumping and its specific hazards. Store toxic fluid in an appropriate, approved container. Dispose of it according to all Local, State and Federal guidelines for toxic fluids. Be sure to observe all the following precautions when handling known or potentially toxic fluids.

FIRE OR EXPLOSION HAZARD

Static electricity is created by the flow of fluid through the pump and hose. If the equipment is not properly grounded, sparking may occur, and the system may become hazardous. Sparks can ignite fumes from solvents and the fluid being pumped, dust particles and other flammable substances, whether you are pumping indoors or outdoors, and can cause a fire or explosion and serious bodily injury and property damage.

If you experience any static sparking or even a slight shock while using this equipment, **STOP PUMPING IMMEDIATELY**. Do not use the system again until the problem has been identified and corrected.

Grounding

To reduce the risk of static sparking, ground the pump and all other equipment used or located in the pumping area. CHECK your local electrical code for detailed grounding instructions for your area and type of equipment. **GROUND ALL OF THIS EQUIPMENT:**

1. **Pump:** by connecting a ground wire and clamp as shown in Fig 1.
2. **Air and fluid hoses:** use only grounded hoses with a maximum of 500 ft (150 m) combined hose length to ensure grounding continuity.
3. **Air compressor:** according to the manufacturer's recommendations.
4. **All solvent pails used when flushing,** according to local code. Use only metal pails, which are conductive. Do not place the pail on a nonconductive surface, such as paper or cardboard, which interrupts the grounding continuity.

System Pressure

This pump develops 100 psi (7 bar) MAXIMUM WORKING PRESSURE at 100 psi (7 bar) incoming air pressure. NEVER exceed 100 psi (7 bar) air pressure to the pump. DO NOT exceed the maximum working pressure of any component or accessory used in the system.

Pressure Relief Procedure

To reduce the risk of serious bodily injury, including splashing fluid or solvent in the eyes or on the skin, always follow this procedure to relieve all system pressure whenever you shut off the pump, and before checking, adjusting, cleaning or repairing any part of the system.

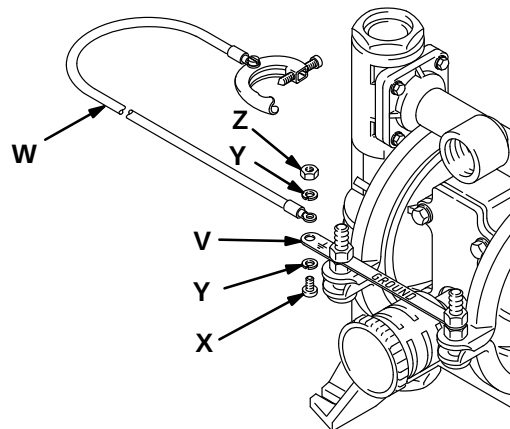
1. Shut off the air to the pump
2. Close the air bleed valve by sliding it all the way down
3. Hold a metal part of the gun firmly to the side of a grounded metal pail and trigger the gun into the pail to relieve pressure.
4. Open the drain valve, having a container ready to catch the drainage. Leave the valve open until you are ready to resume spraying.

If you suspect that the fluid nozzle or hose is completely clogged, or that pressure has not been fully relieved after following the steps above, VERY SLOWLY loosen the hose end coupling and relieve pressure gradually, then loosen completely and clear the nozzle or hose.

1. Always wear appropriate clothing and equipment, such as eye protection and breathing apparatus, to protect yourself.
2. Be sure to pipe and dispose of the exhaust air safely. If the diaphragm fails, the fluid will be exhausted along with the air.
3. Be sure to secure the fluid outlet hose tightly into the receiving container to prevent it from coming loose and improperly draining the fluid.

5. **Fluid supply container:** according to your local code.

To ground the pump: secure a ground wire (W) to the grounding tab (V), using a screw (X), washers (Y) and nut (Z). See Fig 1. Connect the clamp end of the ground wire to a true earth ground.



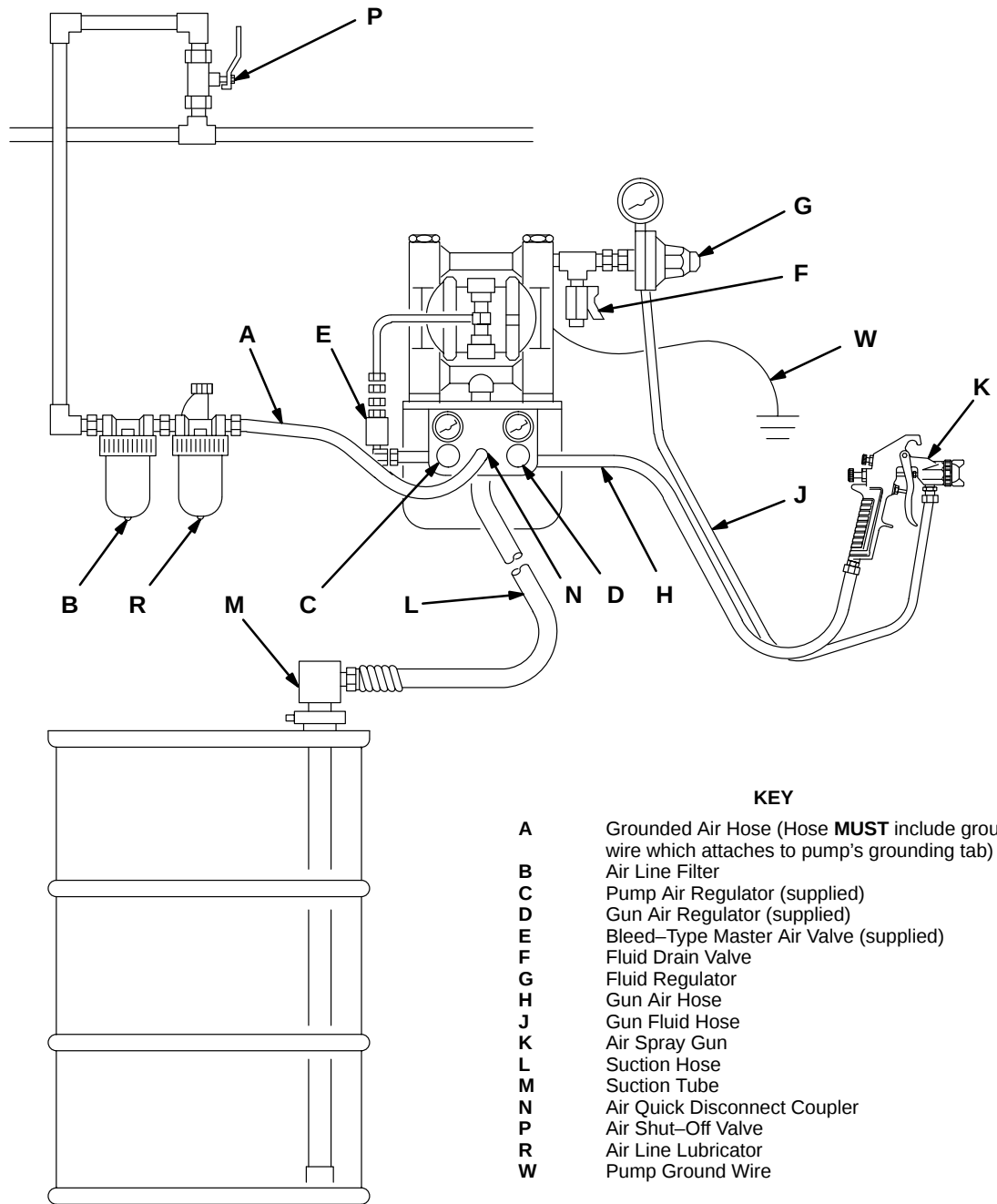
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Fig. 1

IMPORTANT

United States Government safety standards have been adopted under the Occupational Safety and Health Act. These standards – particularly the General Standards, Part 1910, and the Construction Standards, Part 1926 – should be consulted.

TYPICAL INSTALLATION



GENERAL INFORMATION

1. The **TYPICAL INSTALLATION** shown on page 3 is only a guide for selecting and installing system components. Contact your Graco distributor for assistance in planning a system to suit your needs.
2. See pages 14–15 for **ACCESSORIES** available from Graco. Always use Genuine Graco Parts and Accessories.
3. Use a compatible, liquid thread sealant on all male threads. Tighten all connections firmly to avoid air or fluid leaks.

CAUTION

Do not overtighten the fittings to the pump, to avoid pump damage.

4. Read this entire manual before installing or operating this system.

GROUNDING

WARNING

This pump must be grounded. The steps for grounding may differ from the way you ground other pumps. Read and carefully follow the text of **FIRE OR EXPLOSION HAZARD** on page 2 before operating the pump.

SYSTEM ACCESSORIES

WARNING

A bleed-type master air valve (E) is supplied in your system to relieve air trapped between this valve and the pump after the pump air regulator (C) is closed. Trapped air can cause the pump to cycle unexpectedly, which could result in serious bodily injury, including splashing in the eyes, injury from moving parts, or contamination from hazardous fluids.

A fluid drain valve is also required. Install a drain valve (F) and tee close to the pump's fluid outlet to relieve pressure in the hose if the hose becomes plugged. The drain valve reduces the risk of serious bodily injury, including splashing in the eyes or on the skin, or contamination from hazardous fluids.

1. Install the air line accessories as shown in the Typical Installation. Mount these accessories on the wall or on a bracket.
 - a. Install a flexible, grounded air hose between the accessories and the system's air inlet. The hose **must** have a ground wire which can be attached to the pump grounding strap. Use a minimum 1/4" ID air hose. The recommended Graco grounded air hose 221–169 contains a wire which must be attached to the pump's grounding strip; use of a grounded hose without attaching the wire to the pump may not ground the pump.
 - b. To control the pump speed, adjust the pump air regulator (C). The pump speed may also be controlled on the fluid return line of a circulating system with a back pressure regulator or needle control valve (see **"Fluid Regulation, Circulation, and Agitation Accessories"** on page 6).

- c. Install an air shut-off valve (P) upstream from all air line accessories, to isolate them during cleaning and repair.
- d. The air line filter (B) removes harmful dirt and moisture from the compressed air supply. The air line lubricator (R) provides automatic air valve lubrication.

2. Attach a quick disconnect coupler (N) to the end of the air hose, but **do not** connect the coupler to the system air inlet fitting yet.
3. Install a fluid drain valve (F) near the fluid outlet. See the **WARNING** to the left, and refer to the Typical Installation.
4. For additional information on fluid accessories available from Graco, refer to **"Fluid Regulation, Circulation, and Agitation Accessories"** on page 6.

MODEL 222–677 BASIC SYSTEM

1. Make certain that the wall is strong enough to support the weight of the pump, all accessories, and the stress caused by pump operation. Drill four holes in the wall as shown in the Wall Mounting Diagram on page 15. Secure the wall bracket (48) with screws.
2. Connect the hoses, gun, and air and fluid accessories as shown in the Typical Installation.

MODEL 223–008 COMPLETE SYSTEM

1. Install the basic system onto the wall as described in step 1 of the preceding paragraph.
2. Connect the suction hose (109) to the pump fluid inlet. Screw the suction tube (110) onto the loose end of the suction hose. Attach the suction hose ground wire (W) to the pump grounding tab (V), using the screw (X), nut (Z), and washers (Y) supplied with the pump. See Fig. 2.
3. Screw the swivel inlet of the fluid regulator (105) onto the ball valve (20) at the system fluid outlet. Screw the fluid pressure gauge (104) into the gauge port of the fluid regulator.
4. Connect the fluid hose (102) to the elbow (106) at the fluid regulator outlet. Connect the other end of the hose to the fluid inlet of the air spray gun (108). To provide additional fluid regulation, circulation, or agitation, refer to **"Fluid Regulation, Circulation, and Agitation Accessories"** on page 6.
5. Connect the gun air hose (103) to the adapter (5) at the outlet of the gun air regulator (8). Connect the other end of the hose to the air inlet of the air spray gun (108). Use the tie straps (119) supplied to tie the air and fluid hoses together.
6. Screw the gun air cap (107) onto the front of the air spray gun (108).

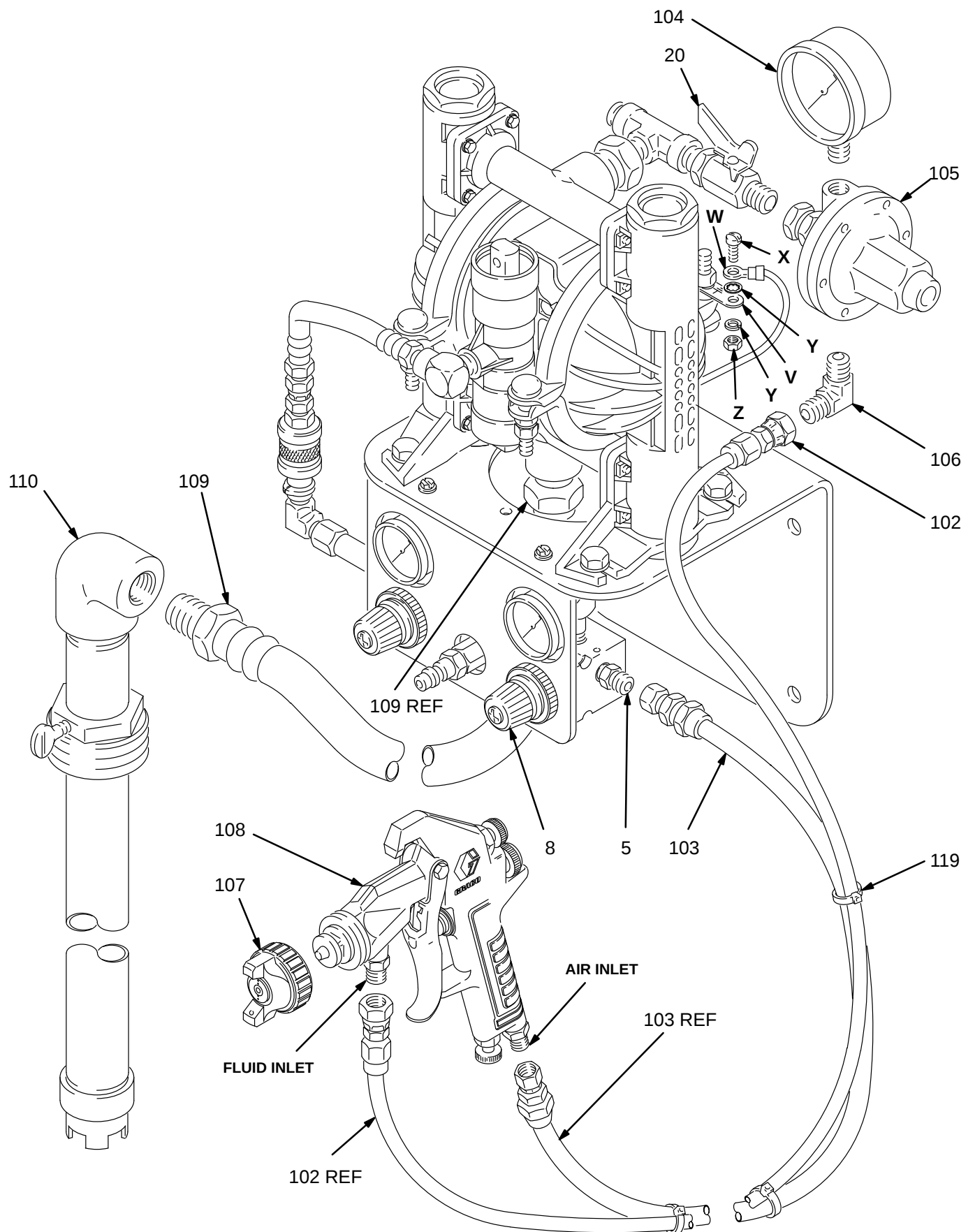


Fig. 2

FLUID REGULATION, CIRCULATION, AND AGITATION ACCESSORIES

See pages 14–15 for additional accessories.

Fluid Regulator 214–895 and Gauge 171–200 (Supplied with Model 223–008)

To achieve the most precise fluid pressure control to the gun, install a fluid regulator and gauge at the pump's fluid outlet. Refer to Fig. 2 for a view of a fluid regulator being installed on a pump.

Back Pressure Regulator 205–122

Install in the return line of a circulating system to provide back pressure to air spray guns, and to maintain proper pressure throughout the system. See **Accessories** on page 15.

Gun Regulator Accessory 223–006

Use for fluid pressure regulation at the air spray gun, individual control in a multiple gun system, and to convert your Husky 715 to a circulating system.

Includes:

223–621 Gun-Mounted Fluid Regulator

208–087 Twist-Lock Coupler
168–160 Pipe Bushing
110–269 Pipe Plug (for pail mount systems only).

Install the kit at the gun's fluid inlet, as shown in Fig. 3.

Connect a fluid return line from the fluid return branch of the gun-mounted regulator to a back pressure regulator or a needle-type fluid control valve. See Fig. 3.

Y Restrictor Accessory 223–007

Use for fluid pressure regulation at the air spray gun, individual control in a multiple gun system, and to convert your Husky 715 to a circulating system.

Includes:

220–011 Gun-Mounted Y Restrictor Valve
204–891 Twist-Lock Coupler
110–269 Pipe Plug (for pail mount systems only).

Install the kit at the gun's fluid inlet, as shown in Fig. 3.

Connect a fluid return line from the fluid return branch of the Y restrictor valve to a back pressure regulator or a needle-type fluid control valve. See Fig. 3.

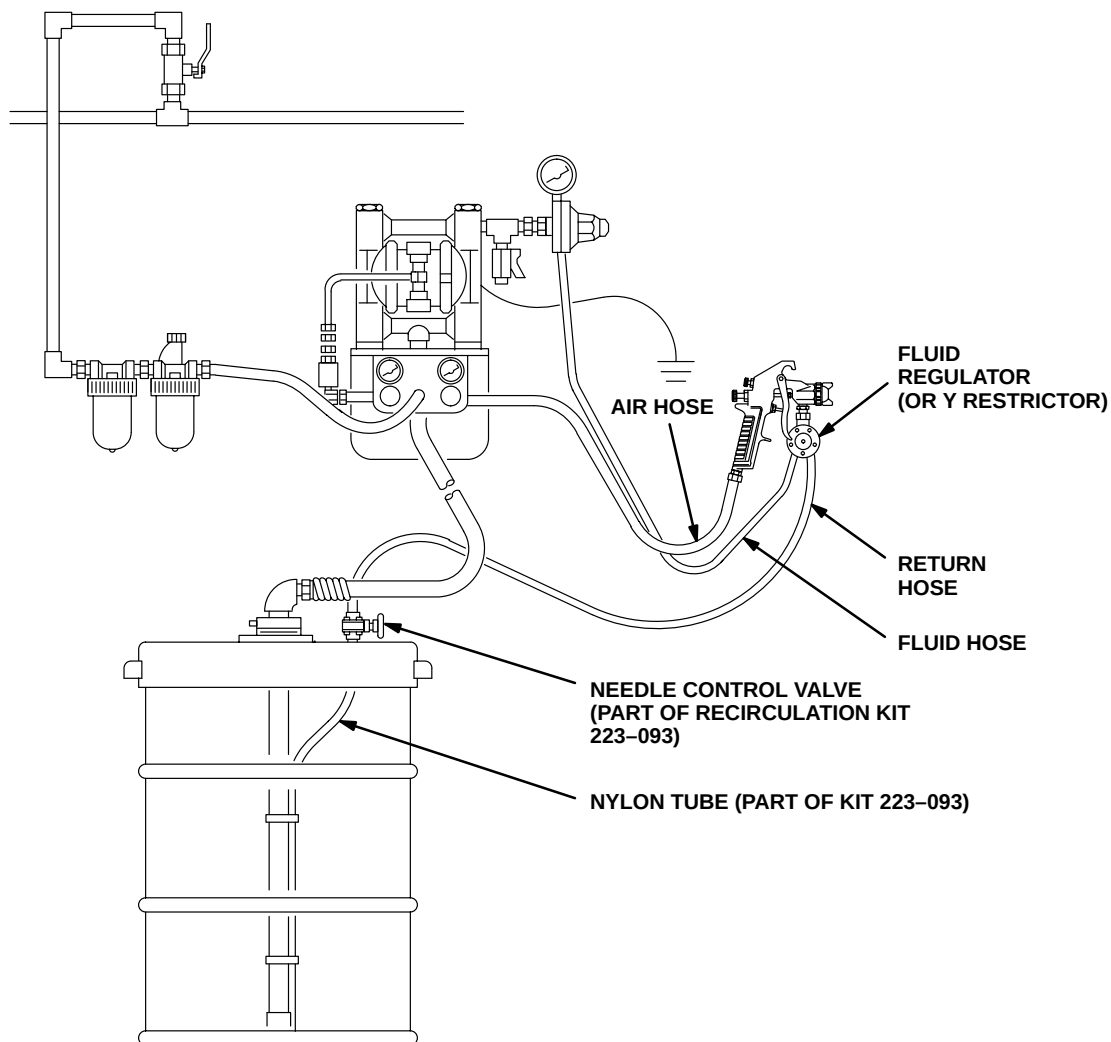


Fig. 3

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Agitator and Pail Cover Kit 226–086 (5 Gallon Size)

Use to agitate fluid in a 5 gallon pail. Includes agitator, air control valve, and 5 gallon pail cover. Pail cover has port for Suction Kit 223–105.

Suction Kit 223–105 (for 5 Gallon Pails)

For use when pumping from a 5 gallon pail. Includes suction tube, and hose to connect tube to the pump fluid inlet.

Drum Cover and Agitator Kit 207–199 (55 Gallon Size)

Use to agitate fluid in a 55 gallon drum. Includes agitator, air control valve, and 55 gallon drum cover. Cover has port for Suction Kit 223–009.

Recirculation Kit 223–093 (for 55 Gallon Drums)

For circulating systems using Drum Cover and Agitator Kit 207–199. Includes needle-type fluid control valve, bulkhead fitting for cover, and nylon tube.

Suction Kit 223–009 (for 55 Gallon Drums)

For use when pumping from a 55 gallon drum. Includes suction tube, and hose to connect tube to the pump fluid inlet. Supplied on Model 223–008.

Pump Elevator 225–758

For use with Drum Cover and Agitator Kit 207–199, to enable easy changing of 55 gallon drums.

Flush the Pump

The pump was tested in water and rust-inhibitor solution. If the solution could contaminate the fluid you are pumping, flush it thoroughly with a compatible solvent. Follow the procedure under **To Flush the Pump**, at the right.

Starting and Adjusting the Pump

1. Be sure the pump is properly grounded. Read and follow **FIRE OR EXPLOSION HAZARD**, on page 2.
2. Check all fittings to be sure they are tight. Be sure to use a compatible liquid thread sealant on all male threads, and do not overtighten the fittings into the pump.
3. Place the suction tube in the fluid to be pumped.

NOTE: If the inlet pressure to the pump is more than 25% of the outlet working pressure, the ball check valves will not close fast enough, resulting in inefficient pump operation.

4. Close the fluid drain valve.
5. See Fig 4. Close both air regulators (C and D). Close the bleed-type master air valve (15) by sliding it all the way down.
6. Connect the air line coupler to the air inlet fitting (16).
7. Open the gun air regulator (D). Trigger the air spray gun (108) while continuing with the following steps.

8. Open the bleed-type master air valve (15) by sliding it all the way up. Slowly open the pump air regulator (C) until the pump starts to cycle. Allow the pump to cycle slowly until all air is pushed out of the lines and the pump is primed.
9. Adjust the fluid regulator (105) to the desired fluid pressure, typically 10–30 psi (0.7–2.1 bar), depending on the fluid viscosity.
10. Set the pump air regulator (C) to a level 30–40 psi (2.1–2.8 bar) higher than the regulated fluid pressure. This setting will provide the smoothest flow.
11. Release the gun trigger.
12. *In a circulating system*, adjust the needle-type fluid control or back pressure regulator to the desired pump speed, to provide agitation of the supply fluid. Typically, the pump speed is set at 20–40 cycles/min.
13. Trigger the gun again to recheck the regulated fluid pressure.
14. Adjust the gun air regulator (D) until the desired spray pattern is achieved.

To Flush the Pump

1. Place the suction tube (110) in the solvent. Run the pump long enough to thoroughly clean the pump and hoses. Close the pump air regulator (C). Remove the suction hose from the solvent and place it in the fluid to be pumped.
2. To clean the gun's air cap and nozzle, first follow the **Pressure Relief Procedure** on page 2. Unscrew the air cap from the gun. Clean the air cap and fluid nozzle as described in the separate gun manual.

Shutdown

Remove the suction hose from the fluid container and run the pump until the fluid is forced out of the system. Then shut off the air supply immediately.

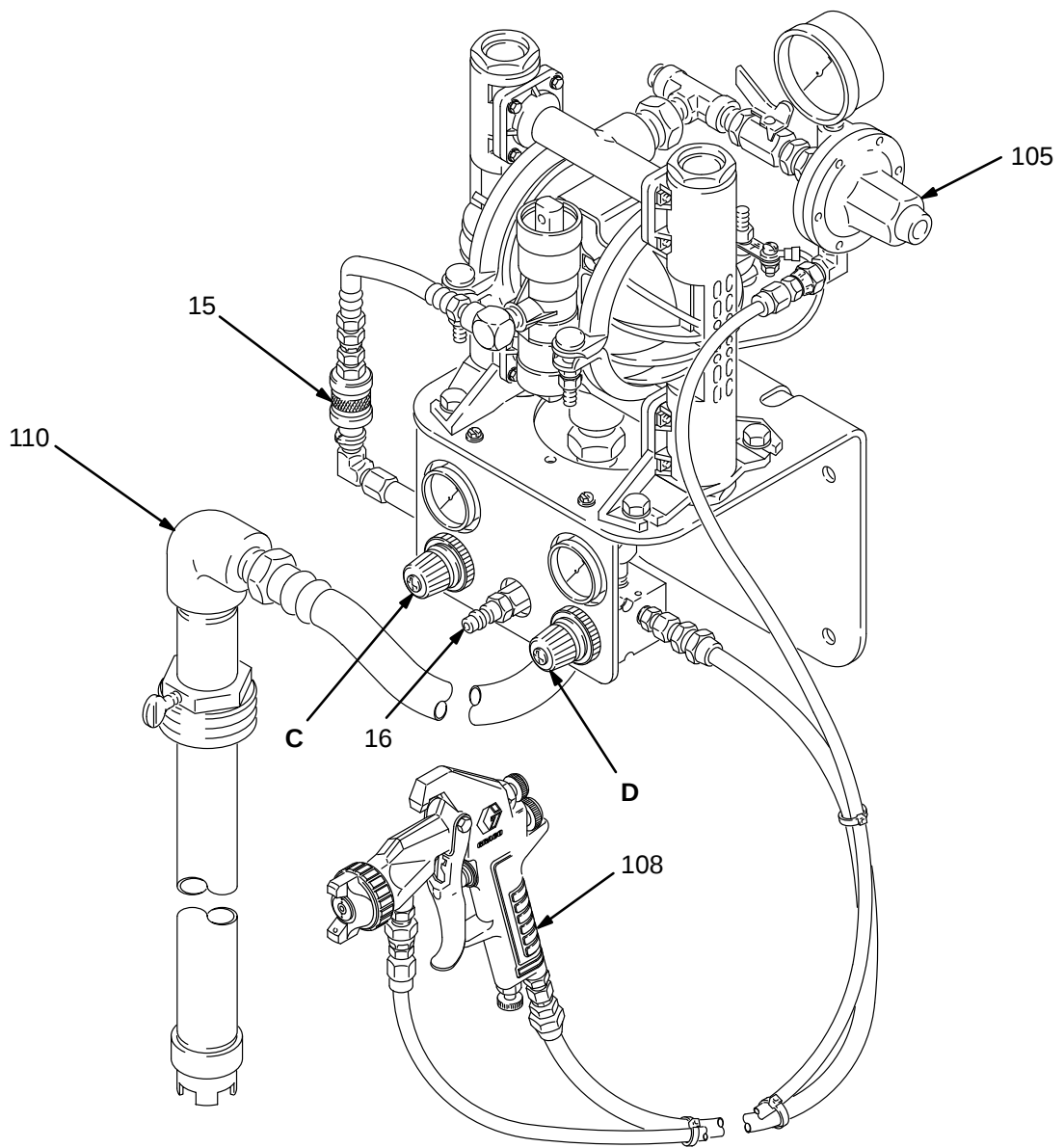


Fig 4

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Model 222-677
Includes items 1–50



PARTS LIST (Basic Pump)

Model 222-677

Includes items 1-50

REF NO.	PART NO.	DESCRIPTION	QTY	REF NO.	PART NO.	DESCRIPTION	QTY
1	220-617	HUSKY 715 DIAPHRAGM PUMP (See 307-855 for parts)	1	18	110-316	TEE; 3/8 npt(f) x 3/8 npt(f)	1
5	169-797	ADAPTER; 1/8 npt(m) x 1/4-18.6 special form(m)	1	19	110-317	NIPPLE, reducing, hex; 3/4 npt x 3/8 npt	1
6	110-206	NIPPLE, pipe; 1/8 npt	2	20	220-184	VALVE, ball; 3/8 npt(m) x 3/8 npsm(m)	1
7	110-207	ELBOW, pipe; 90°; 1/8 npt (mbe)	1	30	110-618	SCREW, mach, hex washer hd; 10-24 unc-2A x 5/8" long	2
8	110-341	REGULATOR, air; 0-125 (0.8.5 bar) regulated pressure range; 1/8 npt(f) inlet and outlet	2	31	100-020	WASHER, lock	2
9	108-190	GAUGE, pressure, air; 0-100 psi (0-7 bar) range	2	34	158-223	WASHER, special	4
11	110-209	NUT, knurled; 13/16-12 un	2	42	160-805	ADAPTER; 1/8 npt(m) x 1/8 npt(f)	1
14	110-210	ELBOW, street; 1/8 npt(f) x 1/4 npt(m)	1	43	164-815	ADAPTER, tee; 1/8 npt(m) x 1/8 npt(f) x 1/8 npt(f)	2
15	110-211	VALVE, air, bleed-type; 1/8 npt (fbe)	1	44	110-268	TEE, pipe; 1/8 npt(f)	1
16	169-970	FITTING, air line; 1/4 npt(m)	1	45	100-022	SCREW, cap, hex hd; 1/4-20 unc-2A x 3/4" long	4
17	164-724	HOSE, air, w/swivel adapter; buna-N; 1/4" I.D.; coupled 1/8 npt (mbe); 10.1" (257 mm) long	1	46	110-269	PLUG, pipe, socket; 0.335 x 3/8 npt	1
				47	185-454	BRACKET, regulator	1
				48	221-167	BRACKET, wall, pump	1
				49	159-840	ADAPTER; 1/4 npt(f) x 1/8 npt(m)	1
				50	100-015	NUT, hex; 1/4-20 unc-2B	4

HOW TO ORDER PARTS

1. To be sure you receive the correct replacement parts, kits or accessories, always give all of the information requested in the chart below.
2. Check the parts list to identify the correct part number; do not use the ref. no. when ordering.
3. Order all parts from your nearest Graco distributor.

6 digit Part Number	Qty	Part Description

SERVICE INFORMATION

Listed below by the assembly changed are OLD, NEW, and ADDED parts.

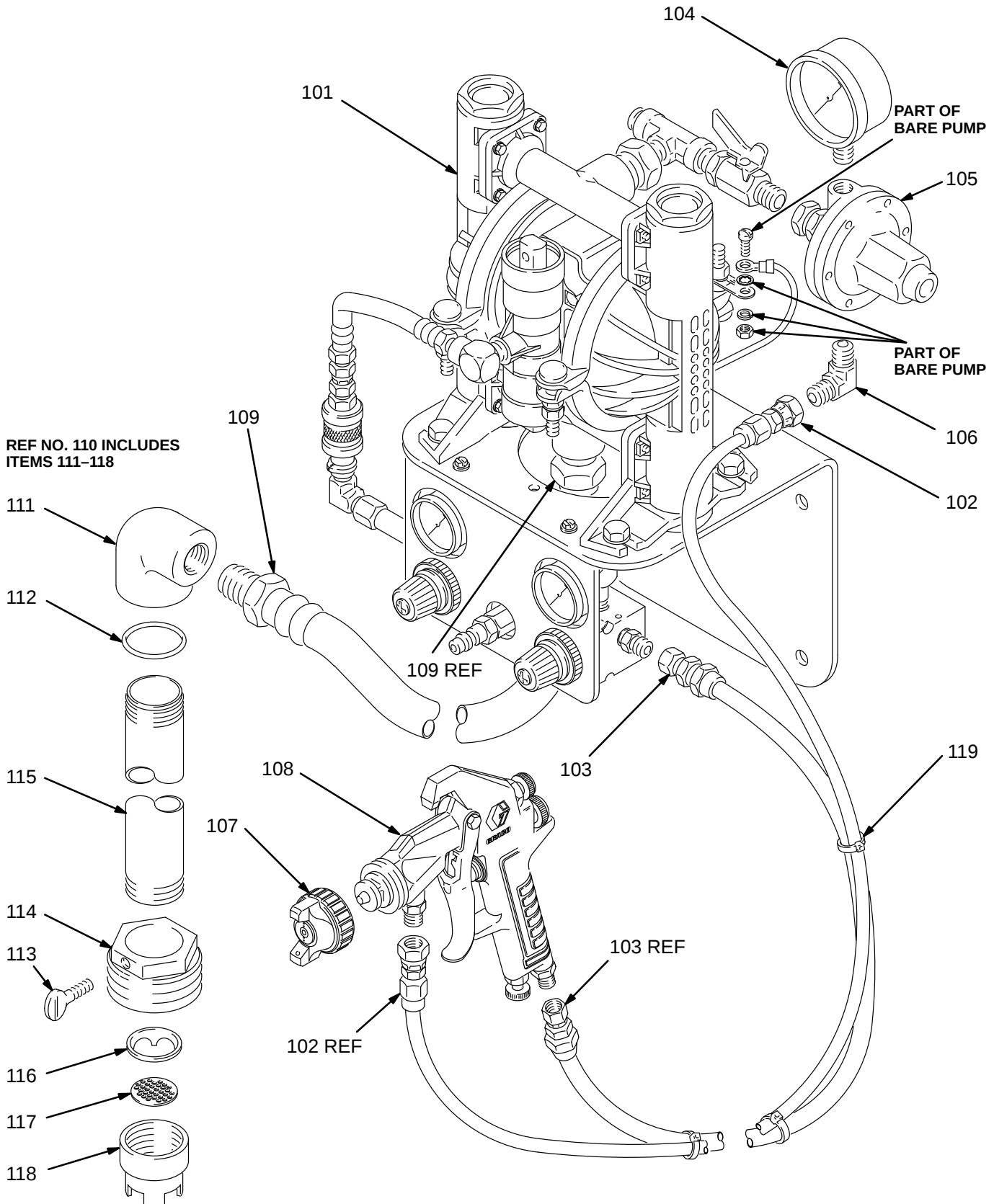
Assembly Changed	Status	Ref No.	Part No.	Name
Model	Old		221-188	Wall Bracket
222-677	New	48	221-167	Wall Bracket
Pump	Added	50	100-015	Nut

INTERCHANGEABILITY NOTE: NEW parts replace the OLD parts listed directly above them.

PARTS DRAWING (Complete System)

Model 223-008

Includes items 101-119



PARTS LIST (Complete System)

Model 223-008

Includes items 101-119

REF NO.	PART NO.	DESCRIPTION	QTY	REF NO.	PART NO.	DESCRIPTION	QTY
101	222-677	HUSKY 715, wall mounted		107	106-700	AIR CAP	1
		See page 10 for parts	1	108	217-781	GUN, air spray	1
102	223-010	HOSE, fluid; nylon; 1/4" I.D.;		109	221-171	HOSE, suction; nylon;	
		cpld 3/8 npsm(fbe) swivel;				3/4" (19 mm) I.D.; cpld 3/4	
		25' (7.9 m) long	1			npt(mbe); 6' (1.9 m) long	1
103	210-867	HOSE, air; buna-N; 0.312"		110	206-266	TUBE, suction; 55 gal. size	
		(7.9 mm) I.D.; cpld 1/4 npsm				Includes items 111-118	1
		(fbe) swivel; 25' (7.9 m) long	1	111	156-591	. ELBOW, 90°	1
104	171-200	GAUGE, pressure, fluid;		112	156-593	. O-RING; nitrile rubber	1
		0-100 psi (0-7 bar)	1	113	100-220	. THUMBSCREW	1
105	214-895	REGULATOR, pressure, fluid;		114	176-684	. ADAPTER, bung	1
		5-100 psi (0.3-7 bar) regulated		115	156-592	. TUBE, riser	1
		pressure range; 3/8 npsm(f)		116	159-100	. RETAINER, screen	1
		swivel inlet, 3/8 npt(f) outlet	1	117	161-377	. SCREEN, filter	1
106	110-308	ELBOW; 3/8 npt (mbe)	1	118	159-101	. NUT, screen retainer	1
				119	102-478	STRAP, tie	20

HOW TO ORDER PARTS

1. To be sure you receive the correct replacement parts, kits or accessories, always give all of the information requested in the chart below.
2. Check the parts list to identify the correct part number; do not use the ref. no. when ordering.
3. Order all parts from your nearest Graco distributor.

6 digit Part Number	Qty	Part Description

ACCESSORIES

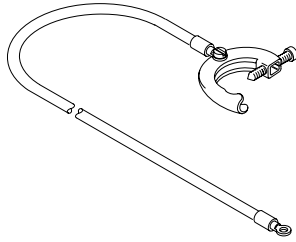
USE GENUINE GRACO PARTS AND ACCESSORIES

Must be purchased separately.

GROUNDING CLAMP 103-538

GROUND WIRE 208-950

25 ft (7.6 m) long, 12 gauge (1.5 mm²)

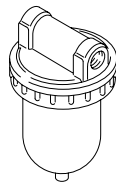


AIR LINE FILTER 106-148

17.5 bar (250 psi) MAXIMUM WORKING PRESSURE

Reusable 40 micron filter and drain cock.

3/8 npt(f) inlet and outlet

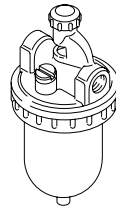


AIR LINE LUBRICATOR 214-847

17.5 bar (250 psi) MAXIMUM WORKING PRESSURE

For automatic air valve lubrication.

3/8 npt(f) inlet and outlet

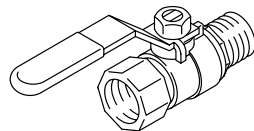


BLEED-TYPE AIR SHUT-OFF VALVE 107-142

21 bar (300 psi) MAXIMUM WORKING PRESSURE

Relieves air trapped in the air line between the air accessories and this valve when closed.

1/2 npt (m x f) inlet and outlet



GROUNDABLE PUMP AIR HOSE 221-169

300 psi (21 bar) MAXIMUM WORKING PRESSURE

10 ft (3 m) long, 1/2 in. (13 mm) ID, coupled 1/2 npt(m) x 1/4 npt(m). Includes ground wire to be attached to pump grounding strap.

AIR LINE QUICK DISCONNECT COUPLER 208-536

1/4 npt(f). Connects to air line fitting at pump air inlet.

GUN AIR HOSE 210-867

200 psi (14 bar) MAXIMUM WORKING PRESSURE

Buna-N, 0.312" (7.9 mm) ID, coupled 1/4 npsm (f) swivel, 25 ft (7.9 m) long.

14 307974C

GUN FLUID HOSE 223-010

225 psi (16 bar) MAXIMUM WORKING PRESSURE

Nylon, 1/4" (6 mm) ID, coupled 3/8 npsm (f) swivel, 25 ft (7.9 m) long.

MODEL 700 AIR SPRAY GUNS

200 psi (14 bar) MAXIMUM WORKING PRESSURE

Pressure-feed type. 3/8 npsm(m) fluid inlet; 1/4 npsm air inlet

Model 217-750

For light fluids. 0.047" (1.2 mm) orifice. 13-16" (330-400 mm) pattern length at 10" (254 mm). Use with 106-700 air cap.

Model 217-751

For light fluids. 0.047" (1.2 mm) orifice. 9-13" (230-330 mm) pattern length at 10" (254 mm). Use with 106-706 air cap.

Model 217-752

For medium fluids. 0.055" (1.4 mm) orifice. 13-16" (330-400 mm) pattern length at 10" (254 mm). Use with 106-700 air cap.

Model 217-753

For medium fluids. 0.055" (1.4 mm) orifice. 9-13" (230-330 mm) pattern length at 10" (254 mm). Use with 106-706 air cap.

GUN-MOUNTED FLUID FILTER 915-921

Attaches to gun fluid inlet. 100 mesh filter element.

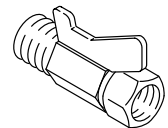
3/8 npsm(f) x 3/8 npsm(m).

FLUID DRAIN VALVE 210-071

500 psi (35 bar) MAXIMUM WORKING PRESSURE

Install with a tee near fluid outlet to help relieve pressure.

3/8 npt(m) x 3/8 npt(f)



PAIL COVER AND AGITATOR KIT 226-086

Agitator mounted on cover for 5 gallon (19 liter) pail.

Cover has port for suction tube kit 223-105.

5 GALLON SUCTION KIT 223-105

Includes suction tube and hose for drawing fluid from a 5 gallon (19 liter) pail.

55 GALLON SUCTION KIT 223-009

Includes suction tube and hose for drawing fluid from a 55 gallon (200 liter) drum.

DRUM COVER AND AGITATOR KIT 207-199

Fits open 55 gallon drums. Contains open port for suction tube kit 223-009.

PUMP ELEVATOR 225-758

Use with 55 gallon drum cover and agitator kit 207-199, to enable easy changing of drums.

ACCESSORIES (Continued)

FLUID REGULATORS

5–100 psi (0–7 bar) *REGULATED PRESSURE RANGE*

Stainless steel regulator. Teflon diaphragm. Inlet: 3/8 npsm(f) Outlet: 3/8 npt (f). See 307–212 for parts.

Model 214–895 (without gauge)

Model 214–706 (with stainless steel gauge)

Model 214–971 (with chrome-plated gauge)

FLUID REGULATOR GAUGES

0–100 psi (0–7 bar) *MAXIMUM PRESSURE RANGE*

Model 171–200 Stainless Steel

Model 176–455 Chrome-Plated Brass

RECIRCULATION KIT 223–093

For circulating systems using 55 gallon drum cover and agitator kit 207–199. Includes needle-type fluid control valve, bulkhead fitting for cover, and nylon tube.

BACK PRESSURE REGULATOR 205–122

0–180 psi (0–13 bar) *REGULATED PRESSURE RANGE*

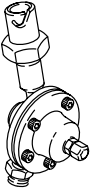
Provides back pressure to spray guns in a circulating system, and maintains proper circulating pressure throughout the system. Inlet: 3/8 npsm(m) Outlet: 3/8 npsm (f).

GUN MOUNTED FLUID REGULATORS

5–100 psi (0–7 bar) *REGULATED PRESSURE RANGE*

Model 223–006 Fluid Regulator Kit

Stainless steel regulator for circulating air spray applications requiring finer fluid regulation. Inlet & Outlet: 1/4 npsm(m). **Includes 223–621 Fluid Regulator and 208–087 Twist-Lock Coupler to connect to gun.**



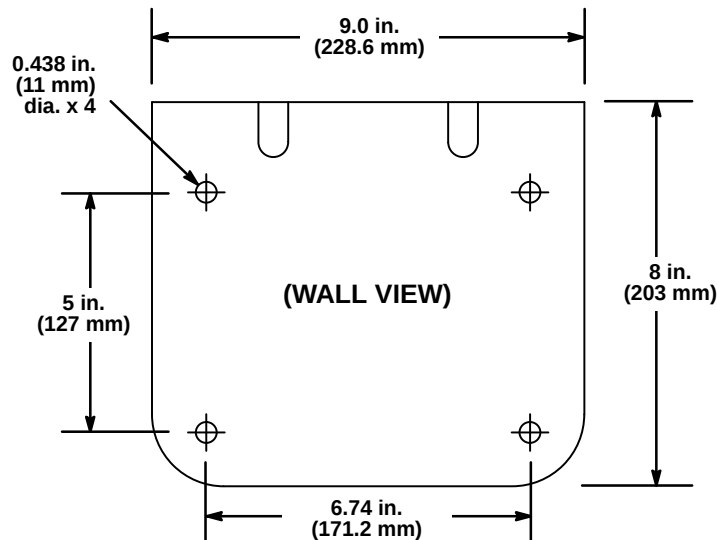
0688

Model 223–007 Y Restrictor Kit

Stainless steel regulator for circulating air spray applications. Inlet & Outlet: 1/4 npsm(m). **Includes 220–011 Y Restrictor Valve and 204–891 Twist-Lock Coupler to connect to gun.**

WALL MOUNTING DIAGRAM

Wall Bracket 221–167



0654

TECHNICAL DATA

Fluid to Air Pressure Ratio	1:1
Maximum Working Pressure	100 psi (7 bar)
Maximum Air Inlet Pressure	100 psi (7 bar)
Maximum Fluid Delivery	16 gpm (60 l/min)
Maximum Operating Temperature	150°F (65°C)
Air Inlet Size	1/4 in. Quick Disconnect Fitting
Width	13.5 in. (34.3 cm)
Depth	9 in. (23 cm)
Height	22 in. (56 cm)
Weight	16 lb (7.2 kg)
Wetted parts	Basic Pump: Acetal, Teflon®, 303 Stainless Steel Complete System: Nylon, Stainless Steel, Steel, Aluminum (suction tube elbow)

Teflon® is a registered trademark of the Du Pont Co.

THE GRACO WARRANTY AND DISCLAIMERS

WARRANTY

Graco warrants all equipment manufactured by it and bearing its name to be free from defects in material and workmanship on the date of sale by an authorized Graco distributor to the original purchaser for use. As purchaser's sole remedy for breach of this warranty, Graco will, for a period of twelve months from the date of sale, repair or replace any part of the equipment proven defective. This warranty applies only when the equipment is installed, operated and maintained in accordance with Graco's written recommendations.

This warranty does not cover, and Graco shall not be liable for, any malfunction, damage or wear caused by faulty installation, misapplication, abrasion, corrosion, inadequate or improper maintenance, negligence, accident, tampering, or substitution of non-Graco component parts. Nor shall Graco be liable for malfunction, damage or wear caused by the incompatibility with Graco equipment of structures, accessories, equipment or materials not supplied by Graco, or the improper design, manufacture, installation, operation or maintenance of structures, accessories, equipment or materials not supplied by Graco.

This warranty is conditioned upon the prepaid return of the equipment claimed to be defective to an authorized Graco distributor for verification of the claim. If the claimed defect is verified, Graco will repair or replace free of charge any defective parts. The equipment will be returned to the original purchaser transportation prepaid. If inspection of the equipment does not disclose any defect in material or workmanship, repairs will be made at a reasonable charge, which charges may include the costs of parts, labor and transportation.

DISCLAIMERS AND LIMITATIONS

THE TERMS OF THIS WARRANTY CONSTITUTE PURCHASER'S SOLE AND EXCLUSIVE REMEDY AND ARE IN LIEU OF ANY OTHER WARRANTIES (EXPRESS OR IMPLIED), INCLUDING WARRANTY OF MERCHANTABILITY OR WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, AND OF ANY NON-CONTRACTUAL LIABILITIES, INCLUDING PRODUCT LIABILITIES, BASED ON NEGLIGENCE OR STRICT LIABILITY. EVERY FORM OF LIABILITY FOR DIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES OR LOSS IS EXPRESSLY EXCLUDED AND DENIED. IN NO CASE SHALL GRACO'S LIABILITY EXCEED THE AMOUNT OF THE PURCHASE PRICE. ANY ACTION FOR BREACH OF WARRANTY MUST BE BROUGHT WITHIN TWO (2) YEARS OF THE DATE OF SALE.

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GRACO MAKES NO WARRANTY, AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WITH RESPECT TO ACCESSORIES, EQUIPMENT, MATERIALS, OR COMPONENTS SOLD BUT NOT MANUFACTURED BY GRACO. These items sold, but not manufactured by Graco (such as electric motor, switches, hose, etc.) are subject to the warranty, if any, of their manufacturer. Graco will provide purchaser with reasonable assistance in making any claim for breach of these warranties.

IMPORTANT PHONE NUMBERS

TO PLACE AN ORDER, contact your Graco distributor, or call this number to identify the distributor closest to you: **1-800-328-0211 Toll Free**

FOR TECHNICAL ASSISTANCE, service repair information or assistance regarding the application of Graco equipment: **1-800-543-0339 Toll Free**

Factory Branches: Atlanta, Chicago, Dallas, Detroit, Los Angeles, West Caldwell (N.J.)

Subsidiary and Affiliate Companies: Canada; England; Switzerland; France; Germany; Hong Kong; Japan; Korea

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