



INSTRUCTIONS

This manual contains important warnings and information.
READ AND KEEP FOR REFERENCE.

First choice when quality counts.™

For Oils and Heavier Lubricants

Fas-Vac™ Evacuation System

FOR LUBRICATION PRODUCTS ONLY

50 psi (3.5 bar, .35 MPa) Maximum Working Pressure

Model 224667

Basic Pump: Includes Husky 716 pump and mounting hardware

Model 224763, 16 Gallon System

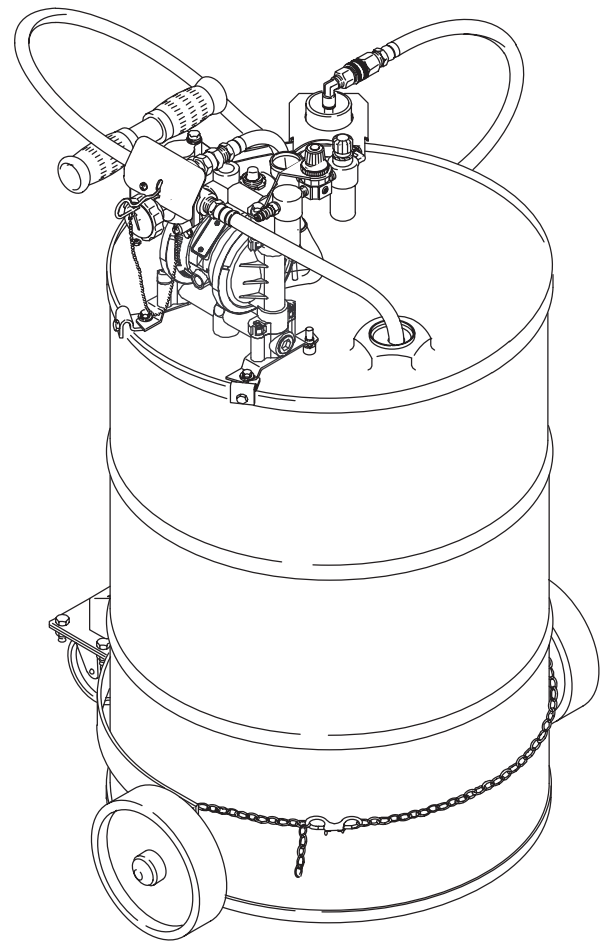
Includes basic pump, dolly, wand storage kit, and 1/4" x 32" suction wand

Model 224700, 16 Gallon System with Drum

Same as model 224763, plus includes a 16 gallon drum

Model 224701, 55 Gallon System

Includes basic pump, 55 gallon drum truck, wand storage kit, and 1/2" x 32" suction wand.



Model 224701 shown
(does not include drum or
Filter-Regulator-Lubricator Kit)

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Symbols

Warning Symbol



WARNING

This symbol alerts you to the possibility of serious injury or death if you do not follow the instructions.

Caution Symbol



CAUTION

This symbol alerts you to the possibility of damage to or destruction of equipment if you do not follow the instructions.

WARNING



INSTRUCTIONS

EQUIPMENT MISUSE HAZARD

Equipment misuse can cause the equipment to rupture or malfunction and result in serious injury.

- This equipment is for professional use only.
- Read all instruction manuals, tags, and labels before operating the equipment.
- Use the equipment only for its intended purpose. If you are not sure, call your Graco distributor.
- Do not alter or modify this equipment.
- Check equipment daily. Repair or replace worn or damaged parts immediately.
- Handle hoses carefully. Do not pull on hoses to move equipment.
- Route hoses away from traffic areas, sharp edges, moving parts, and hot surfaces. Do not expose Graco hoses to temperatures above 66°C (150°F) or below -40°C (-40°F).
- Do not move or lift pressurized equipment.
- Comply with all applicable local, state, and national fire, electrical, and safety regulations.



FIRE AND EXPLOSION HAZARD

Improper grounding, poor ventilation, open flames or sparks can cause a hazardous condition and result in a fire or explosion and serious injury.

- Ground all equipment. Refer to **Grounding** on page 3.
- If there is any static sparking or you feel an electric shock while using this equipment, **stop dispensing immediately**. Do not use the equipment until you identify and correct the problem.
- Provide fresh air ventilation to avoid the buildup of flammable fumes from solvents or the fluid being dispensed.
- Keep the dispense area free of debris, including solvent, rags, and gasoline.
- Do not smoke in the dispense area.
- Do not turn on or off any light switch in the dispense area while dispensing or while operating if fumes are present.

WARNING



PRESSURIZED EQUIPMENT HAZARD

Fluid from the gun, hose leaks, or ruptured components can splash fluid in the eyes or on the skin and cause serious injury.

- Do not stop or deflect leaks with your hand, body, glove or rag.
- Do not point the dispensing valve at anyone or at any part of the body.
- Do not put your hands or fingers over the grease fitting coupler.
- Tighten all fluid connections before operating the equipment
- Check the hoses, tubes, and couplings daily. Replace worn, damaged, or loose parts immediately.



TOXIC FLUID HAZARD

Hazardous fluid or toxic fumes can cause serious injury or death if splashed in the eyes or on the skin, inhaled, or swallowed.

- Know the specific hazards of the fluid you are using.
- Store hazardous fluid in an approved container. Dispose of hazardous fluid according to all local, state and national guidelines.
- Always wear protective eyewear, gloves, clothing and respirator as recommended by the fluid and solvent manufacturer.

Installation

General Information

NOTE: Reference numbers and letters in parenthesis in the text refer to callouts in the figures and the parts drawing.

NOTE: Always use genuine Graco Parts and Accessories, available from your Graco distributor.

Grounding

WARNING



FIRE AND EXPLOSION HAZARD

Before operating the pump, ground the system as explained below. Also read the section **FIRE OR EXPLOSION HAZARD** on page 2.

1. *Pump:* Connect a ground wire (A) to the pump as shown in Fig. 1. Connect to the other end to a true earth ground. Order Grounding Kit (Part No. 222084)

2. *Air Compressor:* Follow the manufacturer's recommendations.
3. Use only metal or conductive containers.
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 non-conductive surface, such as paper or cardboard, which interrupts the grounding continuity.

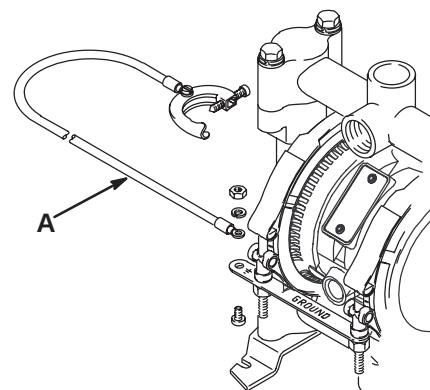


Fig 1

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Installation

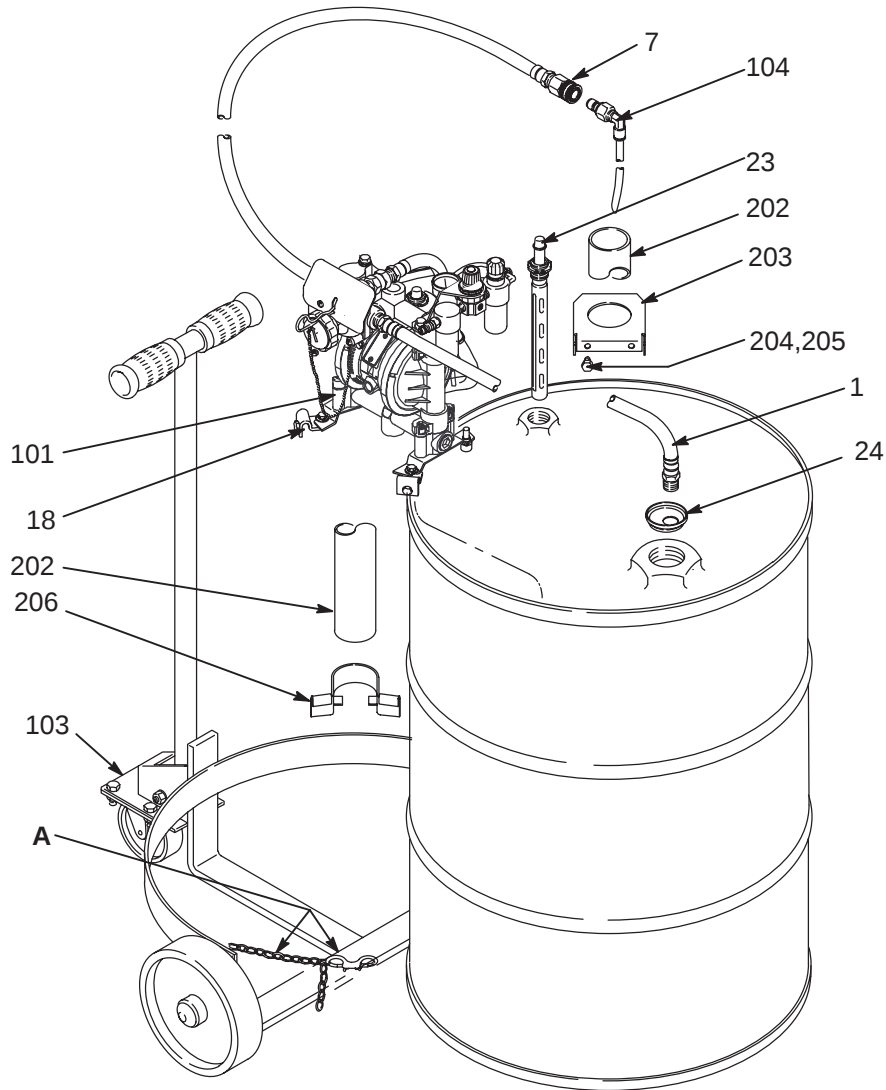


Fig 2

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NOTE: Fig. 2 shows the 55 Gallon Unit, Model 224701. See Fig. 3 for the 16 Gallon Unit, 224700.

1. Install the wheels on the dolly, or assemble the truck according to the instructions supplied with it.
2. Put the drum on the dolly or truck. The truck has a chain and clip (A) to secure the drum.
3. Position the pump between the bung hole and vent hole of the drum as shown in Figs. 2 and 3. Loosen the top screw (14) of each pump clamp (18), and reposition the clamps as needed to fit the rim of the drum. Tighten the screws (17) to secure the pump to the rim of the drum.
4. Install the wand storage tube (supplied). Place the holder (206) on the lip of the dolly or truck. Place the tube (202) in the holder, and slide the bracket (203) over the tube. Align the bracket to the holder, and secure the bracket to the rim of the drum.
5. Remove the drum's vent hole cover, and install the vented fluid gauge (23).
6. Remove the drum's bung hole cover and install the plug (24). Put the 50" drain hose (1) into the drum through the bung hole.
7. Connect a wand (104) to the quick coupler (7). Store the wand in the storage tube (202) until needed.

Installation

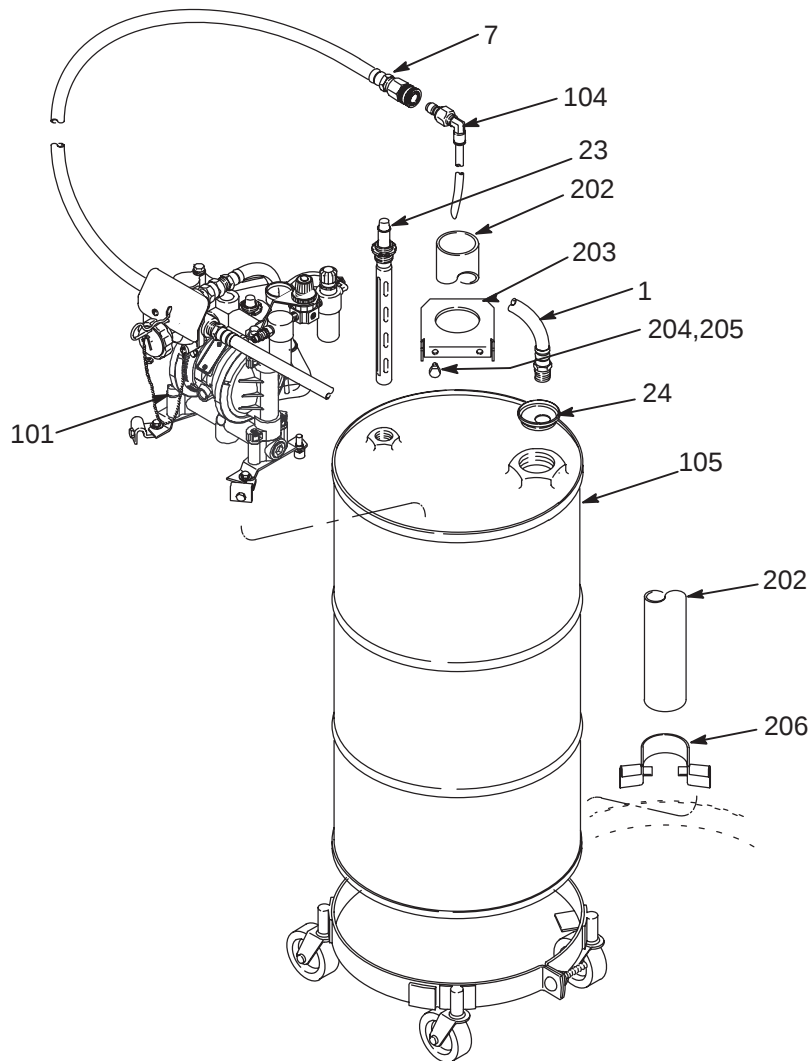


Fig 3

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Air Regulation

If you are using the optional air line Filter-Regulator-Lubricator Kit 110149, see page 6 for installation instructions.

If you are providing your own regulation, you should install a quick disconnect coupler at the air hose and pump inlet or regulator.

Optional Fluid Filter For Evacuation Mode

When evacuating particle-contaminated lubricants from the 16 or 55 gallon drum to another container, use a suction hose with filter, Kit 223888, to prevent damage to the pump.

Installation

Adding an Optional Air Line Filter-Regulator-Lubricator (FRL) Kit

Proper conditioning of compressed air help prolong the life of your pump. In the FRL Kit, the filter removes harmful dirt and moisture from the compressed air, the regulator controls air to the pump, and the lubricator provides automatic motor lubrication.

Graco's FRL (Part No. 110149) should be mounted to the Fas-Vac with the Mounting Kit (Part No. 224749)

1. Remove the two manifold screws, flat washers, and lockwashers (A) from the pump. Install the accessory bracket (B) so that its large hole faces up. Install the screws and lockwashers (do not use the flat washers).
2. Remove the male quick disconnect fitting (20) from the pump, and install it in the air filter inlet (J).

3. Hold the FRL with the air filter (H) to the left. Install the gauge (C) in the back port of the regulator (not the top), and turn it so the gauge faces up. Install the plug (G) in the front port of the gauge.
4. Remove the lock ring (F) from the base of the air regulator knob.
5. Angle the FRL into the bracket so the gauge slides into the slot in the bracket. Screw the lock ring (F) over the regulator knob to secure the assembly to the bracket.
6. Install a 90° nylon connector (E) to the FRL outlet on the side of the lubricator. Install the other connector to the pump air restrictor inlet (not visible in Fig. 4). Tighten the connectors in a position that allows easy installation of the nylon tube (D). Install the tube.

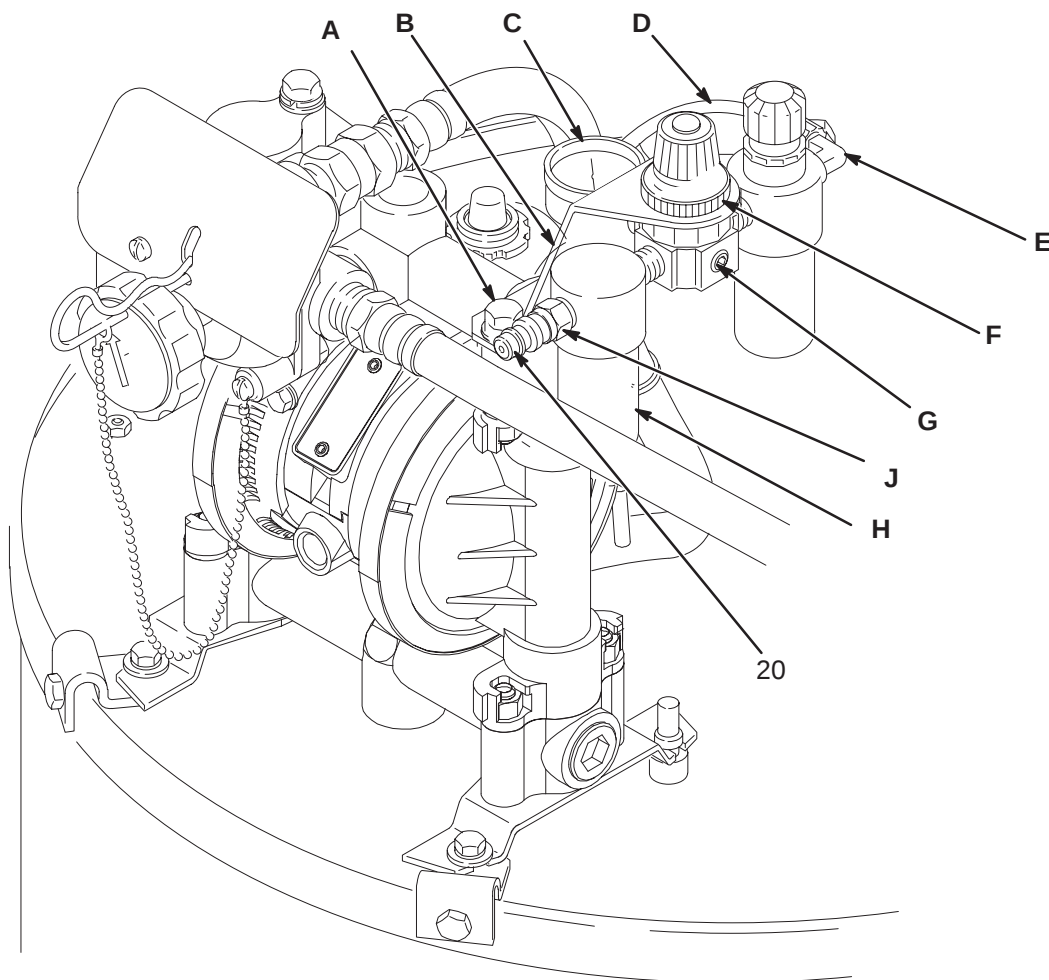


Fig 4

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Operation

Control Knob

The Fas-Vac system operates in two modes: evacuate lubricants from a crankcase or reservoir and collect the material in a 16 gallon or 55 gallon drum, and drain the stored lubricants from the drum to a larger container. The modes are selected with a lock-in-place control knob (A). See Fig. 5.

When the system is not in use, lock the knob in evacuation mode.

Suction Wands

Experiment to determine which wand is best for your application. Typically, use the largest wand possible. A quick-disconnect coupler makes it fast and easy to switch wands.

Fluid Gauge

The fluid gauge (23) indicates approximately how full the drum is to avoid over-filling it. See Fig. 5. When its red cap is even with the top, the drum will be 75% to 80% full.

Evacuation

1. Check the gauge level.

2. Be sure that the control knob (A) is in the EVACUATION position and the safety clip (8) locks it in place. See Fig. 5.
3. Connect the air supply hose to the pump air inlet (B). Operate the pump at 40–50 psi (2.72–3.4 bar, 0.27–0.34 MPa) For the best results.
4. Insert the suction wand (104) in the crankcase or reservoir.
5. Disconnect the air to the pump when the evacuation is complete.

Draining the Drum

1. Remove the suction wand (104). Attach the suction hose quick-disconnect coupler to the male coupler fitting of a waste oil tank, or discharge the material to an access opening.
2. Pull out the safety clip (8), and turn the control knob (A) to DRAIN DRUM. See Fig. 5.
3. Connect the air supply hose to the pump.
4. When the draining is complete, disconnect the air to the pump, turn the valve knob (A) back to the evacuation position, and install the safety clip (8).

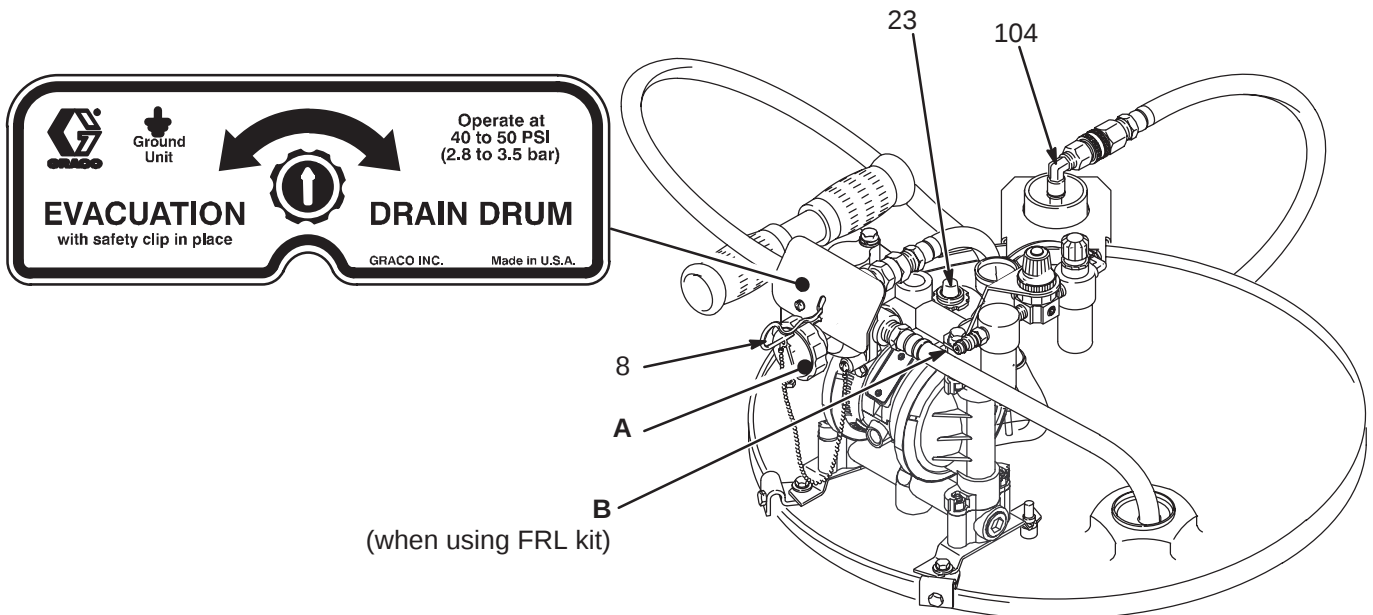


Fig 5

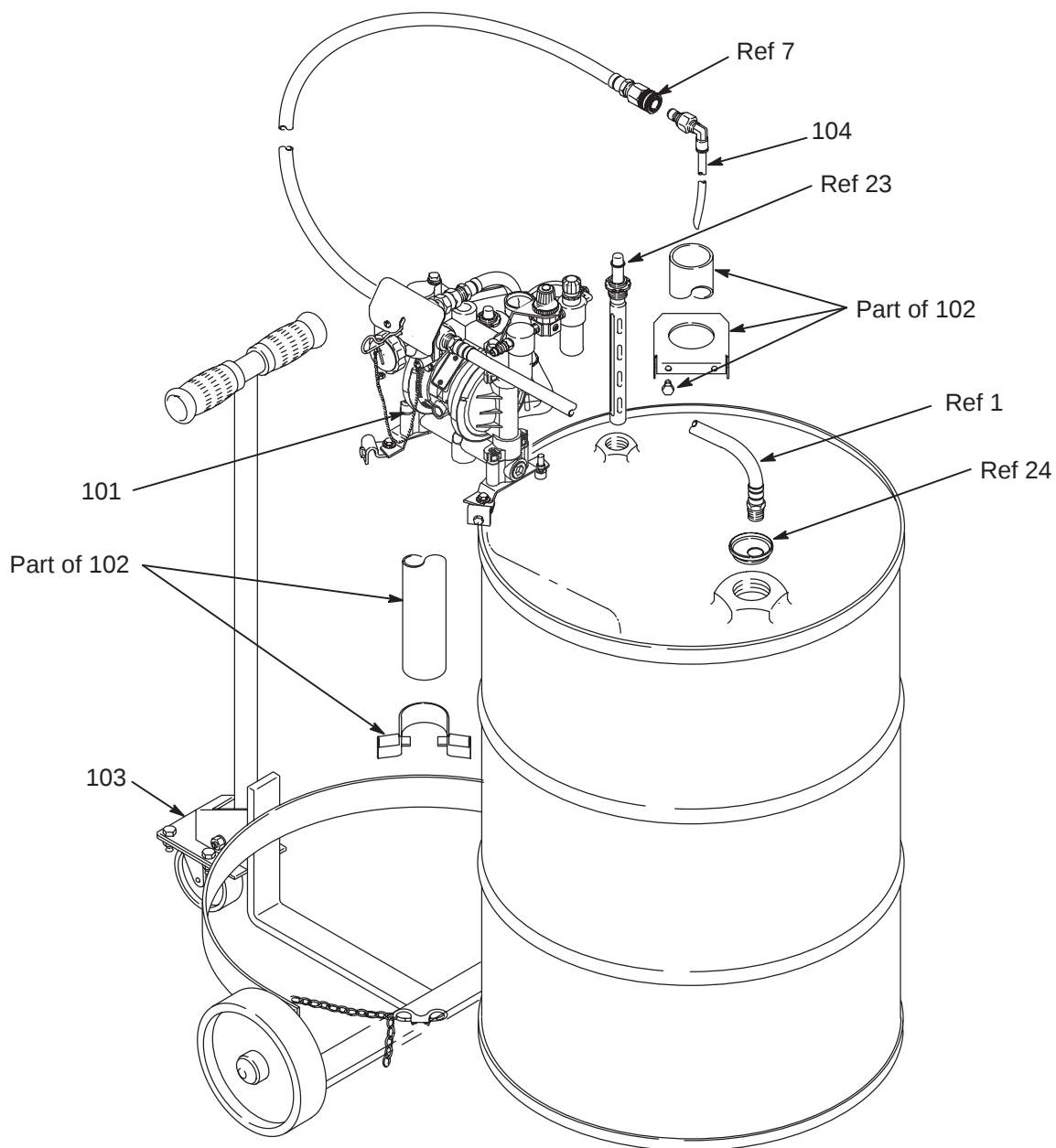
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Parts

Model 224701 55 Gallon System

Includes items 101 to 104

Ref No.	Part No.	Description	Qty
101	224667	PUMP <i>See page 10 for parts</i>	1
102	224666	WAND STORAGE KIT <i>Includes items 201 to 206 as shown on page 11</i>	1
103	111470	55 GALLON DRUM TRUCK	1
104	224702	WAND, 32" x 1/2" OD <i>Includes items 301 to 303 as shown on page 11</i>	1



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Parts

Model 224700

16 Gallon Fas-Vac™ System, with drum

Includes items 101 to 105

Model 224763

16 Gallon Fas-Vac™ System, without drum

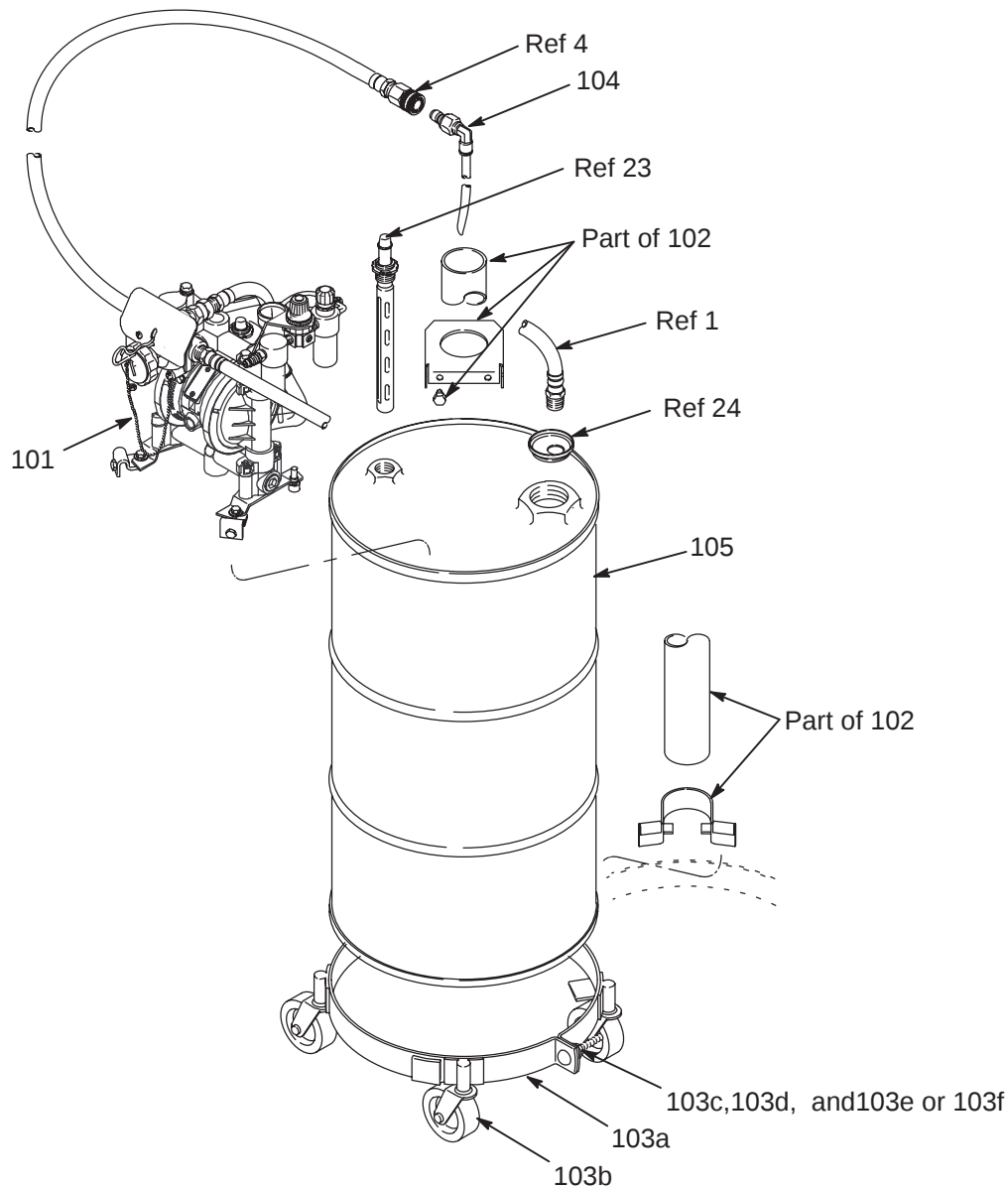
Includes items 101 to 104

Model 224665

16 Gallon Deluxe Dolly

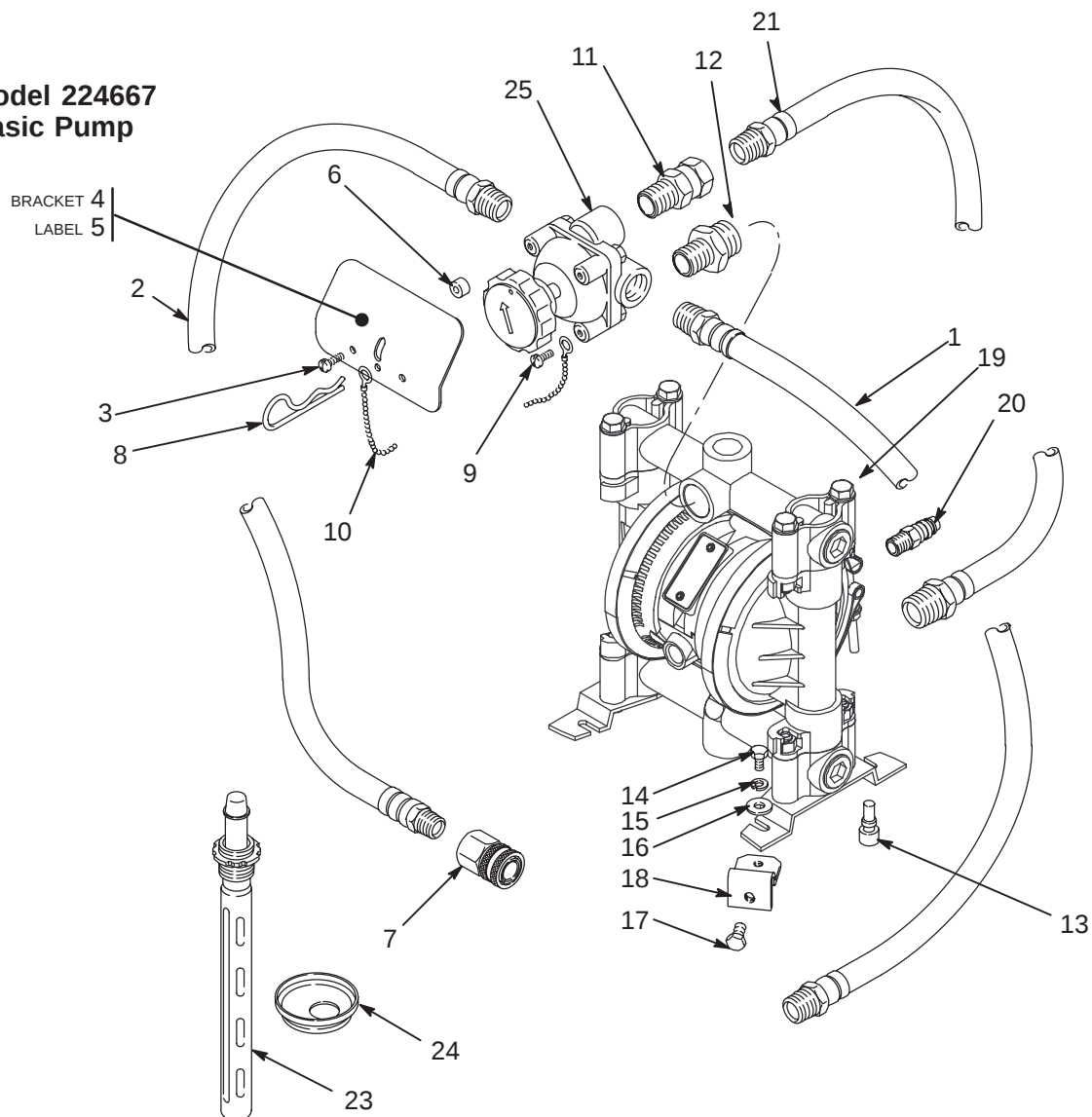
Includes items 103a to 103f

Ref No.	Part No.	Description	Qty
101	224667	PUMP ASSEMBLY <i>See parts on page 10</i>	1
102	224666	WAND STORAGE KIT <i>Includes items 201 to 206 as shown on page 11</i>	1
103	224665	DOLLY, 16 gallon deluxe <i>Includes items 103a to 103f</i>	1
103a	205419	. CLAMP, dolly, 120 lb.	1
103b	111472	. CASTER, 3"	4
103c	100307	. NUT, full, hex, 3/8–16 unc–2b	1
103d	100023	. WASHER, flat, 3/8"	1
103e	102971	. BOLT, carriage, 3/8–16 unc–2a x 3"	1
103f	101185	. BOLT, carriage, 3/8–16 unc–2a x 4"	1
104	224669	WAND, 32" x 1/4" OD <i>Includes items 301 to 303 as shown on page 11</i>	1
105	111468	DRUM, 16 gallon	1



Parts

Model 224667 Basic Pump



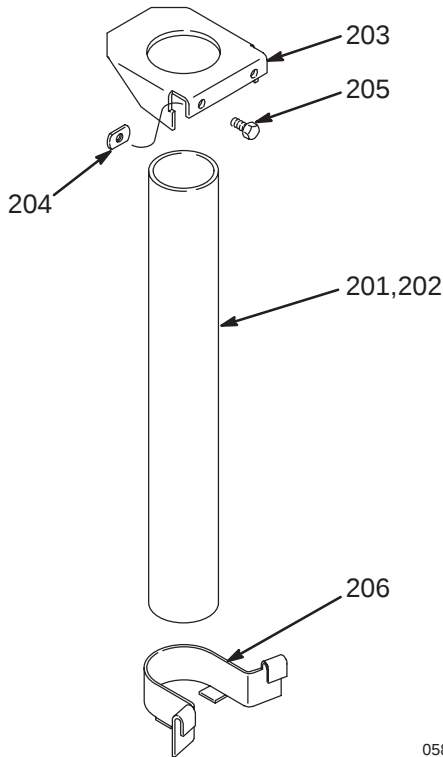
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Ref No.	Part No.	Description	Qty	Ref No.	Part No.	Description	Qty
1	111475	HOSE, cpld 1/2 npt, 50" (1.3 m) long	1	13	170709	FOOT	2
2	111473	HOSE, cpld 1/2-14 npt x 3/8-18 npt, 10 ft (3 m) long	1	14	100333	CAPSCREW, hex hd; 1/4-20 unc-2a x 5" long	2
3	108479	SCREW, mach, hex hd; 10-24 UNC-2a x 3/4"	2	15	100016	LOCKWASHER, 1/2"	2
4	187355	BRACKET	1	16	100527	WASHER, PLAIN, 5/16"	2
5	187350	LABEL, instruction	1	17	100057	CAPSCREW, hex hd; 5/16-18 UNC-2a	2
6	187366	SPACER	2	18	187354	BRACKET, mounting	2
7	801569	COUPLER, quick disconnect	1	19	241906	HUSKY 716 PUMP <i>See manual 308573 for parts</i>	1
8	111465	CLIP, hitch pin	1	20	169970	FITTING, air line	1
9	101577	SCREW, mach, hex hd, 10-24 unc-2a x 3/8"	1	21	111474	HOSE, cpld 1/2-14 npt x 3/4-14 npt, 20" (0.5 m) long	1
10	111466	CHAIN, ball	1	22	103473	STRAP, wire tie (<i>not shown</i>)	1
11	156684	UNION, adapter, 1/2 npt(m) x 1/2 npt(f) swivel	1	23	111467	GAUGE, drum fill	1
12	157191	ADAPTER, 1/2-14 npt(m) x 3/4-14 npt(m)	1	24	183553	PLUG, bung	1
10	308154			25	187359	4-WAY VALVE	1

Parts

Model 224666 Wand Storage Kit

Ref No.	Part No.	Description	Qty
201	111471	CAP	1
202	187351	TUBE	1
203	187352	BRACKET, storage tube	1
204	187370	NUT	2
205	101344	CAPSCREW, hex hd; 5/16-18 UNC-2a	2
206	187353	HOLDER, storage tube	1



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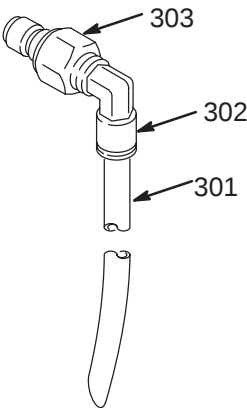
Suction Wands with 32" Tube

Includes items 301 to 303

Model 224669 is included with 16 gallon systems

Model 224702 is included with 55 gallon systems

		Ref. 301	Ref. 302	Ref. 303
Model	O.D.	Tube 32"	Elbow	Quick Coupler
224669	1/4	187361	109027	801568
224702	1/2"	187363	109005	801568



Technical Data

Maximum Air and Fluid Working Pressure	50 psi (3.5 bar, 0.35 MPa)
System Wetted Parts	PVC, High Density Polyethylene, Brass, Nylon, Copper
Pump Assembly Dimensions	Depth: 13" (330 mm) Width: 9" (229 mm) Height: 13.5" (343 mm) Approximate Weight: 19 lb (8.5 kg)

NOTE: See manual 308573 for pump wetted parts.

Graco Standard Warranty

Graco warrants all equipment manufactured by Graco 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. With the exception of any special, extended, or limited warranty published by Graco, Graco will, for a period of twelve months from the date of sale, repair or replace any part of the equipment determined by Graco to be 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 general wear and tear, or 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 of Graco equipment with 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 claimed defect. 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.

THIS WARRANTY IS EXCLUSIVE, AND IS IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO WARRANTY OF MERCHANTABILITY OR WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE.

Graco's sole obligation and buyer's sole remedy for any breach of warranty shall be as set forth above. The buyer agrees that no other remedy (including, but not limited to, incidental or consequential damages for lost profits, lost sales, injury to person or property, or any other incidental or consequential loss) shall be available. Any action for breach of warranty must be brought within two (2) years of the date of sale.

Graco makes no warranty, and disclaims all implied warranties of merchantability and fitness for a particular purpose in connection with accessories, equipment, materials or components sold but not manufactured by Graco. These items sold, but not manufactured by Graco (such as electric motors, 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.

In no event will Graco be liable for indirect, incidental, special or consequential damages resulting from Graco supplying equipment hereunder, or the furnishing, performance, or use of any products or other goods sold hereto, whether due to a breach of contract, breach of warranty, the negligence of Graco, or otherwise.

FOR GRACO CANADA CUSTOMERS

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Graco Phone Numbers

TO PLACE AN ORDER, contact your Graco distributor, or call this number to identify the distributor closest to you:

1-800-533-9655 Toll Free

1-612-623-6928 Direct

1-800-533-9656 Toll Free Fax

Manual Change Summary

Replaced Husky 715 Pump with Husky 716.

*All written and visual data contained in this document reflects the latest product information available at the time of publication.
Graco reserves the right to make changes at any time without notice.*

Sales Offices: Minneapolis, Detroit

Foreign Offices: Belgium, Korea, Hong Kong, Japan

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