



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

INSTRUCTIONS

Stainless Steel, with PTFE Packings

10:1 Ratio Bulldog[®] Pump

1000 psi (70 bar, 7.0 MPa) Maximum Working Pressure

Model 206-797, Series A

Stubby Size, with Standard Air Motor

Model 215-875, Series A

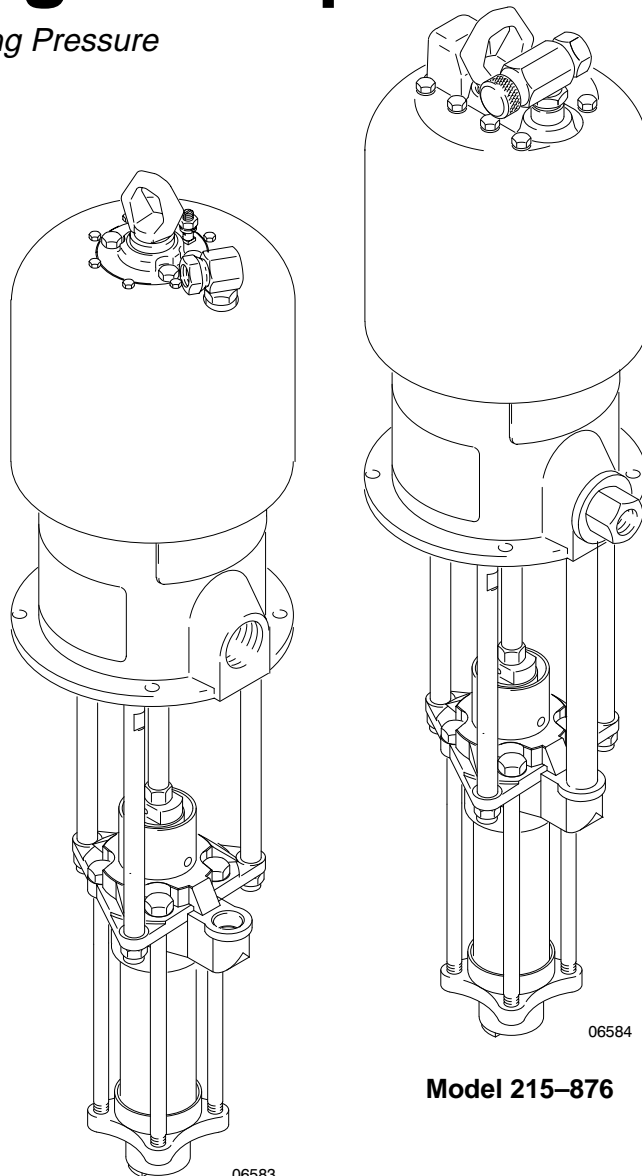
Stubby Size, with Quiet Air Motor

Model 215-876, Series A

55 Gal. (200 Liter) Drum Size, with Quiet Air Motor



(Models 215-875
and 215-876 only)



Model 206-797

Model 215-876

06602

Table of Contents

Warnings	2	Technical Data	18
Installation	6	Dimensions	19
Operation/Maintenance	8	Mounting Hole Layout	19
Troubleshooting	10	Graco Warranty	20
Service	12	Graco Phone Number	20
Parts	14		

Symbols

Caution Symbol



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

Warning Symbol



This symbol alerts you to the possibility of serious injury or death 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. Use only genuine Graco parts and accessories.
- Check equipment daily. Repair or replace worn or damaged parts immediately.
- Do not exceed the maximum working pressure of the lowest rates system component. This equipment has a 1000 psi (70 bar, 7.0 MPa) maximum working pressure.
- Use fluids and solvents which are compatible with the equipment wetted parts. Refer to the **Technical Data** section of all equipment manuals. Read the fluid and solvent manufacturer's warnings.
- Handle hoses carefully. Do not use hoses to pull 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).
- Wear hearing protection when operating this equipment.
- Do not lift pressurized equipment.
- Comply with all applicable local, state, and national fire, electrical, and safety regulations.

WARNING



INJECTION HAZARD

Spray from the gun, leaks or ruptured components can inject fluid into your body and cause extremely serious injury, including the need for amputation. Fluid splashed in the eyes or on the skin can also cause serious injury.



- Fluid injected into the skin might look like just a cut, but it is a serious injury. **Get immediate medical attention.**
- Do not point the gun at anyone or at any part of the body.
- Do not put your hand or fingers over the spray tip.
- Do not stop or deflect leaks with your hand, body, glove or rag.
- Do not “blow back” fluid; this is not an air spray system.
- Always have the tip guard and the trigger guard on the gun when spraying.
- Check the gun diffuser operation weekly. Refer to the gun manual.
- Be sure the gun trigger safety operates before spraying.
- Close the gun ball valves when you stop spraying.
- Lock the gun trigger safety when you stop spraying.
- Follow the **Pressure Relief Procedure** on page 8 if the spray tip clogs and before cleaning, checking or servicing the equipment.
- Tighten all fluid connections before operating the equipment.
- Check the hoses, tubes, and couplings daily. Replace worn or damaged parts immediately. Do not repair high pressure couplings; you must replace the entire hose.
- Fluid hoses must have spring guards on both ends, to help protect them from rupture caused by kinks or bends near the couplings.



MOVING PARTS HAZARD

Moving parts can pinch or amputate your fingers.

- Keep clear of all moving parts when starting or operating the pump.
- Before checking or servicing the equipment, follow the **Pressure Relief Procedure** on page 8 to prevent the equipment from starting unexpectedly.

WARNING



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 the equipment and the object being sprayed. Refer to **Grounding** on page 6.
- If there is any static sparking or you feel an electric shock while using this equipment, **stop spraying 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 sprayed.
- Keep the spray area free of debris, including solvent, rags, and gasoline.
- Before operating this equipment, electrically disconnect all equipment in the spray area.
- Before operating this equipment, extinguish all open flames or pilot lights in the spray area.
- Do not smoke in the spray area.
- Do not turn on or off any light switch in the spray area while operating or if fumes are present.
- Do not operate a gasoline engine in the spray area.



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

Grounding

Proper grounding is an essential part of maintaining a safe system.

To reduce the risk of static sparking, ground the pump. Check your local electrical code for detailed grounding instructions for your area and type of equipment. Be sure to ground all of this equipment:

- *Pump*: use a ground wire and clamp as shown at right.
- *Air and fluid hoses*: use only electrically conductive hoses with a maximum 500 ft (150 m) combined hose length to ensure grounding continuity.
- *Spray gun*: grounding is obtained through connection to a properly grounded fluid hose and pump.
- *Object being sprayed*: follow your local code.
- *Fluid supply container*: follow your local code.
- *All solvent pails used when flushing or relieving pressure*, always hold a metal part of the gun firmly to the side of a grounded metal pail, then trigger the gun.

To ground the pump:

To ground the pump, loosen the grounding lug locknut (W) and washer (X). Insert one end of a 12 ga (1.5 mm²) minimum ground wire (Y) into the slot in lug (Z) and tighten the locknut securely. Connect the other end of the wire to a true earth ground. Order Part No. 237-569, Ground Wire and Clamp.

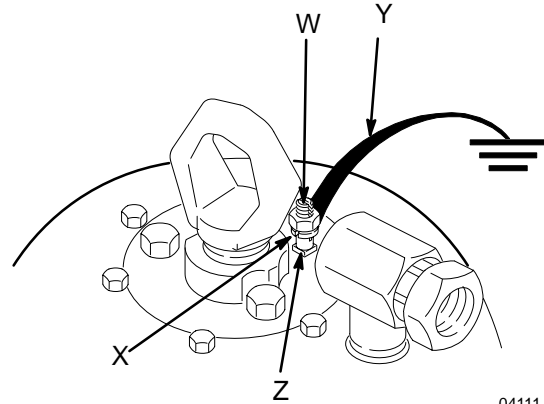


Fig. 1

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Installation

KEY

- A Bleed-type Master Air Valve
- B Pump Runaway Valve
- C Air Line Filter
- D Air Line Lubricator
- E Air Regulator
- F Fluid Filter
- G Fluid Drain Valve
- H Grounded Fluid Hose
- J Grounded Air Hose
- K Suction Tube

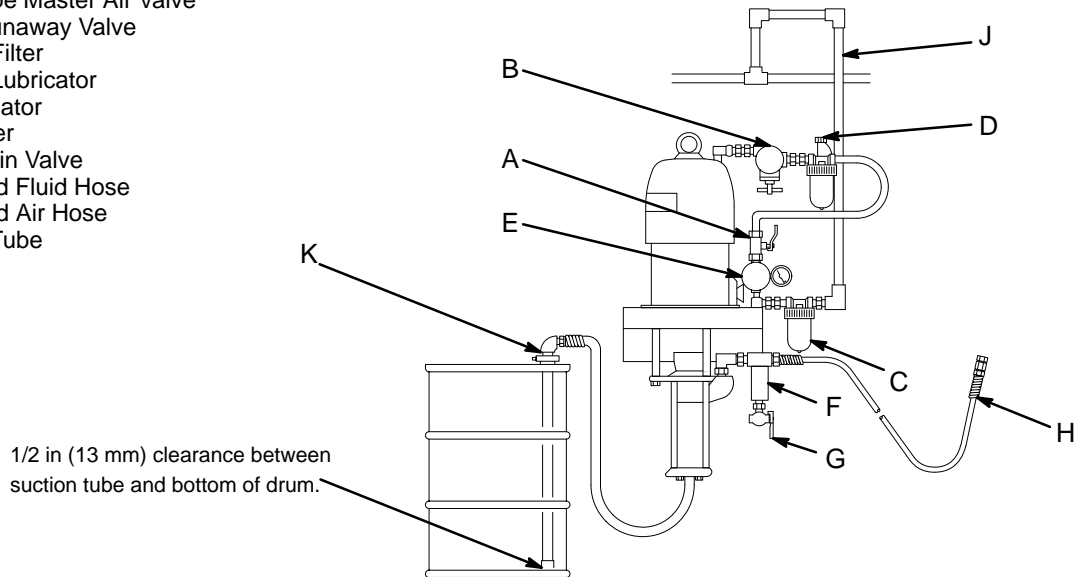


Fig. 2

NOTE: Reference numbers and letters in parentheses in the text refer to the callouts in the figures and the parts drawings.

The typical installation shown in Fig. 2 is only a guide to selecting and installing required and optional accessories. For assistance in designing a system to suit your needs, contact your Graco representative.

Mount the pump to suit the type of installation planned. The dimensional drawings on page 19 give the measurements needed for installing the pump on a custom designed mounting. Use 3/8 in. bolts, lockwashers, and nuts to attach the pump firmly to the mounting. If the pump is wall-mounted, be sure that the mounting is secure enough to support the weight of the pump and accessories, and the stress caused by operation.

System Accessories

⚠ WARNING

Two accessories are required in your system: a bleed-type master air valve (A) and a fluid drain valve (G). These accessories help reduce the risk of serious injury including fluid injection, splashing in the eyes or on the skin, and injury from moving parts if you are adjusting or repairing the pump.

The bleed-type master air valve relieves air trapped between this valve and the pump after the air regulator is shut off. Trapped air can cause the pump to cycle unexpectedly. Locate the valve close to the pump.

The fluid drain valve assists in relieving fluid pressure in the displacement pump, hose and gun; triggering the gun to relieve pressure may not be sufficient.

Install the accessories in the order shown in Fig. 2. Closest to the pump air inlet, install a pump runaway valve (B), which senses when the pump is running too fast and shuts off the air supply to the motor. For automatic air motor lubrication, install an air line lubricator (D). Install a bleed-type master air valve (A) within easy reach of the pump. Next, install an air regulator (E) to control air to the motor and pump speed. Furthest from the pump inlet, install an air line filter (C) to remove harmful dirt and moisture from the compressed air supply.

Be sure the air supply hose (J) is properly grounded, and is large enough to supply an adequate column of air to the motor.

On the fluid line (H), install a fluid filter (F) and a fluid drain valve (G) close to the pump's fluid outlet. Connect a suitable grounded fluid hose from the filter's outlet to the gun or dispensing valve.

NOTE: Model 215–876 includes a riser tube which connects the displacement pump outlet to a pump outlet at the motor base. All of the stubby pump models use the displacement pump outlet as standard, but have the optional outlet at the air motor base for use if desired.

If the pump is not immersed, connect a suction tube (K) to the pump's intake.

Operation/Maintenance

Pressure Relief Procedure

WARNING



INJECTION HAZARD

The system pressure must be manually relieved to prevent the system from starting or spraying accidentally. Fluid under high pressure can be injected through the skin and cause serious injury. To reduce the risk of an injury from injection, splashing fluid, or moving parts, follow the **Pressure Relief Procedure** whenever you:

- are instructed to relieve the pressure,
- stop spraying,
- check or service any of the system equipment,
- or install or clean the spray tips.

1. Lock the spray gun or dispensing valve trigger safety.
2. Close the pump air regulator.
3. Close the bleed-type master air valve (required in your system).
4. Unlock the spray gun or dispensing valve trigger safety.
5. Hold a metal part of the gun or valve firmly to the side of a grounded metal waster container and trigger to relieve the fluid pressure.
6. Lock the trigger safety again.
7. Open the pump drain valve (required in your system), having a container ready to catch the drainage.
8. Leave the drain valve open until you are ready to spray again.

*If you suspect that the spray tip or hose is clogged or that fluid pressure is not fully relieved after following the steps above, **very slowly** loosen the tip guard retaining nut or hose end coupling and relieve pressure gradually. Clear the tip or hose obstruction.*

Flush the Pump Before Using

Pumps are tested with lightweight oil which is left in to protect pump parts. To prevent contamination of fluid, flush the pump with a compatible solvent before using.

In non-immersion applications, fill the wet-cup (118) 1/2 full with Graco Throat Seal Liquid or compatible solvent, to help the fluid you are pumping from drying on the displacement rod and damaging the throat packings.

Starting and Adjusting the Pump

Open the bleed-type master air valve (A). Trigger the gun into a grounded metal pail, holding a metal part of the gun firmly to the pail. Slowly open the air regulator (E) until the pump starts running. Run the pump slowly until all the air is purged, release the gun trigger, and lock the trigger safety – the pump will start and stop as the gun is opened and closed. In a circulating system, the pump runs continuously and speeds up or slows down as the system demands. Always use the lowest pressure necessary to get the desired results.

WARNING

To reduce the risk of serious injury, including fluid injection and splashing in the eyes or on the skin, and property damage, never exceed the maximum air and fluid working pressure of the lowest rated component in your system.

Never allow the pump to run dry of fluid being pumped. A dry pump will quickly accelerate to a high speed, possibly damaging itself. If your pump accelerates quickly, or is running too fast, stop it immediately and check the fluid supply. If the supply container is empty and air has been pumped into lines, prime the pump and lines with fluid, or flush and leave filled with a compatible solvent. Be sure to eliminate all air from the fluid system.

NOTE: A pump runaway valve (B) can be installed on the air line to automatically shut off the pump if it starts to run too fast.

CAUTION

The maximum operating temperature for an immersed pump is 480° F (248° C). Graco will not be responsible for excessive wear due to pumping abrasive or corrosive fluids unless it has specifically recommended such fluids for use in this pump.

Operation/Maintenance

Check Valve Adjustment

The piston and intake check valves are factory-set for light viscosity fluids. This setting minimizes surging at pump stroke changeover. To adjust the valves for heavier viscosity fluids, unscrew the four tie bolts (106) and remove the intake valve (103) and cylinder (110). Remove the ball stop pins (111 and 113) and move them to a higher set of holes to increase the ball travel. See Fig. 3.

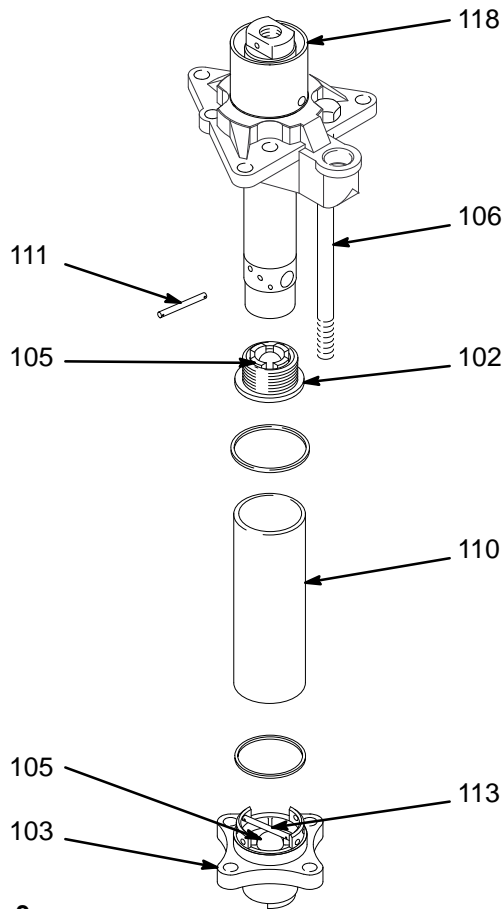


Fig. 3

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Shutdown and Care of the Pump

⚠ WARNING

To reduce the risk of serious injury, whenever you are instructed to relieve pressure, always follow the **Pressure Relief Procedure** on page 8.

Always stop the pump at the bottom of its stroke to prevent fluid from drying on the rod and damaging the throat packings. When you finish pumping, always **relieve the pressure**.

If you are pumping fluid which dries, hardens, or sets up, flush the system with a compatible solvent as often as necessary to prevent a build up of dried fluid in the pump or hoses.

Every 40 hours of operation, check that the packing nut is tight. **Relieve the pressure**. Then, tighten the packing nut just snug – do not overtighten or the packings may be damaged.

Flushing

To reduce the risk of fluid injection injury, static sparking, or splashing, **relieve the pressure**, and remove the spray tip (spray guns only) before flushing. Hold a metal part of the gun/valve firmly to the side of a grounded metal pail and use the lowest possible fluid pressure during flushing.

Lubrication

The accessory air line lubricator (D) provides automatic air motor lubrication. For daily, manual lubrication, disconnect the regulator, place about 15 drops of light machine oil in the pump air inlet, reconnect the regulator and turn on the air supply to blow oil into the motor.

Troubleshooting

WARNING

To reduce the risk of serious injury, whenever you are instructed to relieve pressure, always follow the **Pressure Relief Procedure** on page 8.

NOTE: Check all other possible problems and solutions before disassembling the pump.

WARNING

To reduce the risk of serious injury, never operate the pump with the air motor plate removed. The moving piston behind the plate can pinch or amputate fingers.

Relieve the pressure before you check or service any system equipment.

Problem	Cause	Solution
Pump does not operate, or no fluid flow	Loose or broken pump parts	Disassemble, check, repair.
	Restricted line, or inadequate air supply	Clear, increase.
	Exhausted fluid supply	Refill and prime.
	Clogged fluid hoses	Clean or replace.
	Fluid intake or piston valves need adjustment	Adjust; see page 9.
	Damaged air motor	Repair; see manual 307-049 or 307-304.
Pump operates but output is low	Insufficient air supply	Increase.
	Exhausted fluid supply	Refill and prime.
	Obstructed gun or dispensing valve	Clear.
	Damaged fluid pump packings	Replace.
	Held open or worn piston or intake valve	Repair; see page 12.
Erratic or accelerated operation	Exhausted fluid supply	Refill and prime.
	Fluid intake or piston valve worn	Repair; see page 12.

Notes

Service

General Information

- Have all necessary repair parts on hand. Recommended spare parts are indicated in the parts list with a dagger, for example (3†).
- Packing repair kit 207–581 is available for the displacement pump. Keep kits on hand to reduce down time. Use all of the parts in the kit for the best results. Kit parts are indicated with an asterisk, for example, (119*)
- The throat and piston packing stacks (124* and 125*) are preassembled. Do not disassemble the stacks when you install them.
- Use a compatible solvent to clean parts. Inspect parts for wear or damage and replace parts as needed. Scoring or irregular surfaces on the displacement rod or polished inner wall of the cylinder causes premature packing wear and leaking. Check these parts by rubbing a finger on the surface or holding the parts up to the light at a slight angle.
- Use light, waterproof grease wherever lubrication is indicated.

Disassembly

WARNING

To reduce the risk of serious injury, whenever you are instructed to relieve pressure, always follow the **Pressure Relief Procedure** on page 8.

1. Flush the pump with a compatible solvent, **relieve the pressure**, and stop the pump at the bottom of its stroke.
2. Disconnect the hoses from the pump. Remove the pump from its mounting and clamp it in a vise. See Fig. 4 and the Parts Drawings.
3. Remove the intake tube (15) if present. Unscrew the three tie rod locknuts (4). Disconnect the riser tube (14) if present.
4. Remove the upper cotter pin (3) and unscrew the coupling nut (9). Pull the displacement pump (1) off the air motor (2).
5. Unscrew the four tie bolts (106) from the intake valve housing (103) and remove the intake valve from the pump.
6. Disassemble the intake valve, taking note of the position of the ball stop pin (113). Inspect the ball (105) and seat (103) for nicks and scratches.

7. Pull the cylinder (110) straight off the outlet housing (115), being careful not to scratch or damage the polished inner wall. Remove the o-rings (122).
8. Loosen the packing nut/wet-cup (118). Pull the displacement rod (101) out the bottom of the outlet housing (115).
9. Inspect the polished inner surface of the cylinder (110) and the outer surface of the displacement rod (101) for scoring or scratches which can damage the packings.
10. Unscrew the piston body (102) from the displacement rod (101). Disassemble the piston. See Fig. 4. Inspect the ball (105) and seat (102) for nicks or scratches. If you remove the ball stop pin (111), take note of which set of holes it was installed in.

CAUTION

The piston valve seat is made out of hard carbide and chips very easily. Do not try to reseat the ball; it will not seat and seal properly. Be very careful when handling the part.





11. Unscrew the packing nut/wet-cup (118). Remove the bearing (119) from the packing nut. Remove the throat packings from the outlet housing (115).
12. Clean and inspect all parts for wear or damage. Replace them as necessary.

Reassembly

1. Install the throat gland/packing stack (124*) into the outlet housing (115), with the lips of the v-packings facing down. The stack is preassembled. Do not disassemble the stack. See Fig 4.
2. Install the bearing (119*) in the packing nut/wet-cup (118) and loosely install the packing nut in the outlet housing (115).
3. Install the ball stop pin (111) in the desired holes in the displacement rod (101).
4. Lubricate and install the o-ring (121*) on the piston body.
5. Lubricate and install the gland/packing stack (125*) on the piston (102) with the lips of the v-packings facing up. The stack is preassembled to the required dimension and includes up to three shims. Do not disassemble the stack. See Fig. 4.

Service

6. Place the ball (105) on the piston (102) and screw the piston into the displacement rod (101). Torque to 150–175 ft-lb (203–237 N•m).
7. Slide the displacement rod (101) up into the outlet housing (115).
8. Install an o-ring (122*) on the groove at the bottom of the outlet housing (115). Carefully slide the cylinder (110) straight up into the outlet housing, being careful not to scratch or mar the polished inner surface of the cylinder.
9. Place an o-ring (122*) in the groove of the intake valve housing (103). Install the intake ball (105). Insert the ball stop pin (113) in the desired holes.
10. Install the four tie bolts (106) through the outlet housing (115) and into the intake valve housing (103). Tighten evenly.
11. Mount the displacement pump (1) on the tie rods (10) so the outlet is aligned with the optional outlet at the base of the motor. Install the riser tube (14), if used. Apply grease to the threads of the tie rods and install the tie rod locknuts (4) and tighten evenly. Install the cotter pin (3) and tighten the coupling nut (9). See Fig. 4 and the parts drawing on page 14.
12. Reconnect the grounding wire, if it was disconnected during service.
13. Connect the air and fluid supplies and run the pump slowly to check for binding. Adjust the tie rods as necessary.
14. Tighten the packing nut/wet-cup just enough to prevent leaking, but no tighter. Overtightening compresses the packings and causes leaking.

-  Lips of V-Packings Must Face Down
-  Lips of V-Packings Must Face Up
-  Torque to 150–175 ft-lb (203–237 N•m)
-  Torque to 57–63 ft-lb (77–85 N•m)

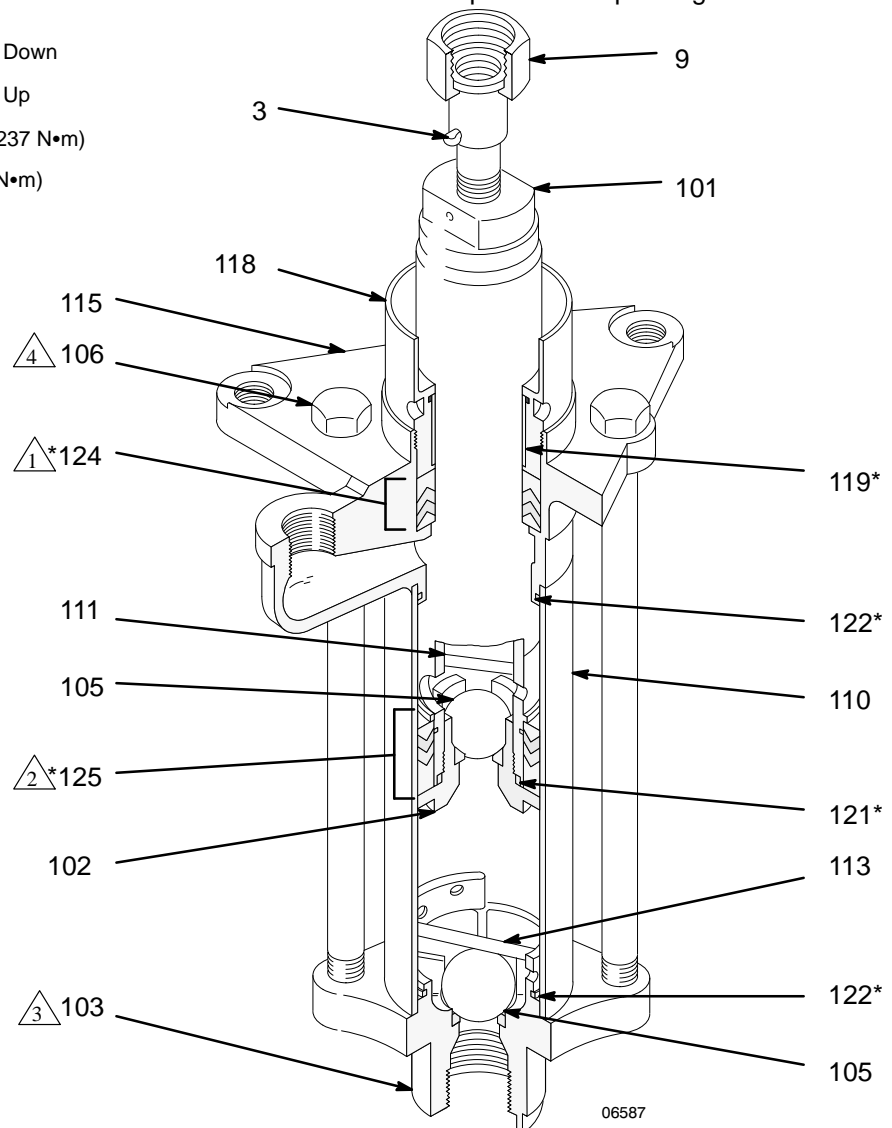


Fig. 4

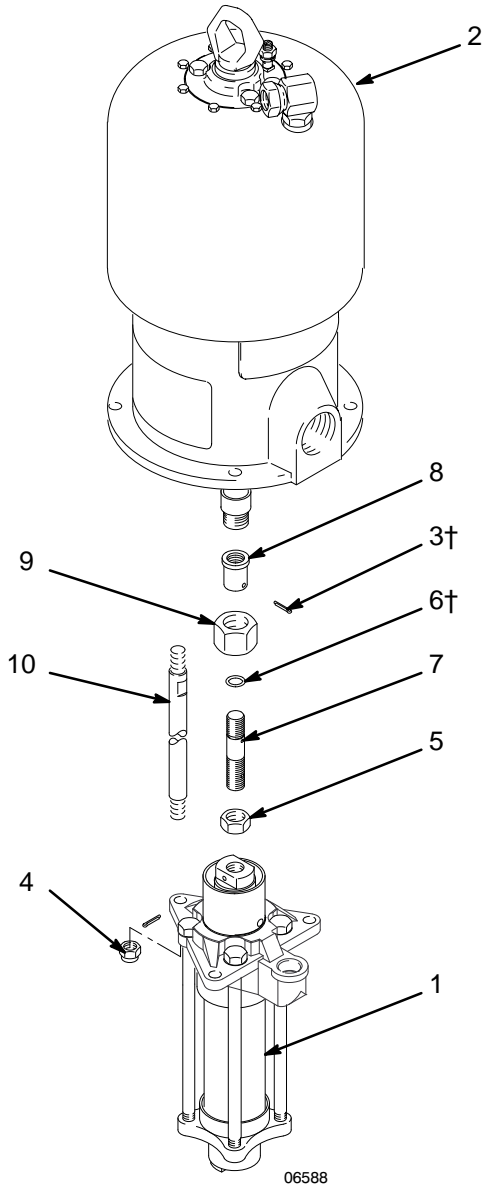
Parts

Model 206-797 Pump, Series A

Includes items 1-10

Ref. No.	Part No.	Description	Qty.
1	206-792	DISPLACEMENT PUMP	
	Series D	See separate parts list on page 17	1
2	208-356	AIR MOTOR	
	Series J	See manual 307-049 for parts	1
3†	101-946	PIN, cotter; 0.12" (3.2 mm) dia; 1.5" (38 mm) long	2
4	102-216	LOCKNUT; 5/8-11	3
5	102-217	NUT, jam; 3/4-10	1
6†	158-674	O-RING; nitrile rubber	1
7	166-041	ROD, connecting; 3-5/8" (92 mm long)	1
8	166-048	SOCKET, coupling	1
9	166-049	NUT, coupling	1
10	166-385	ROD, tie; 8" (203 mm) shoulder-to-shoulder	3

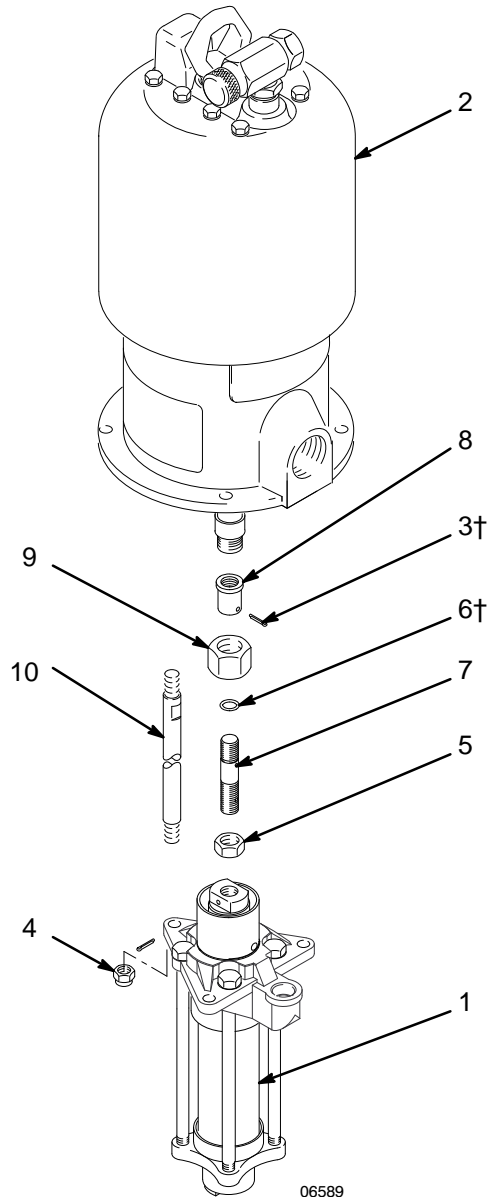
† Recommended tool box spare parts. Keep these spare parts on hand to reduce down time.



Parts

Model 215–875 Pump, Series A

Includes items 1–10



Ref. No.	Part No.	Description	Qty.
1	206–792	DISPLACEMENT PUMP	
	Series D	See separate parts list on page 17	1
2	215–255	AIR MOTOR	
	Series E	See manual 307–304 for parts	1
3†	101–946	PIN, cotter; 0.12" (3.2 mm) dia; 1.5" (38 mm) long	2
4	102–216	LOCKNUT; 5/8–11	3
5	102–217	NUT, jam; 3/4–10	1
6†	158–674	O-RING; nitrile rubber	1
7	166–041	ROD, connecting; 3–5/8" (92 mm long)	1
8	166–048	SOCKET, coupling	1
9	166–049	NUT, coupling	1
10	166–385	ROD, tie; 8" (203 mm) shoulder-to- shoulder	3

† Recommended tool box spare parts. Keep these spare parts on hand to reduce down time.

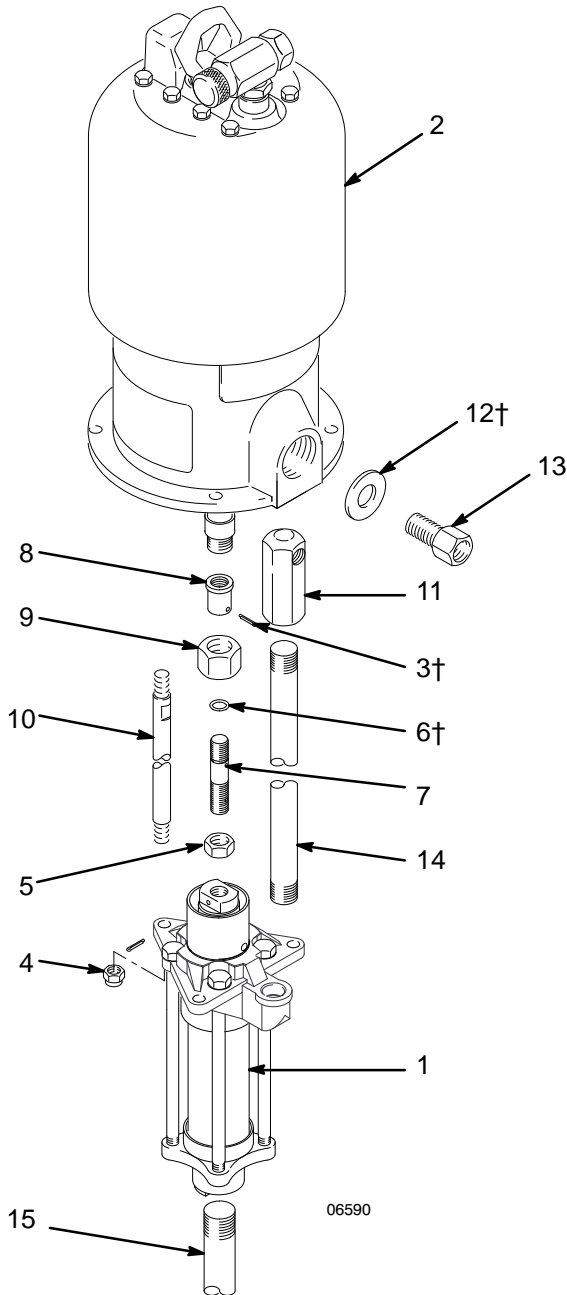
Parts

Model 215-876 Pump, Series A

Includes items 1-15

Ref. No.	Part No.	Description	Qty.
1	206-792	DISPLACEMENT PUMP	
	Series D	See parts list on page 17	1
2	215-255	AIR MOTOR	
	Series E	See manual 307-304 for parts	1
3†	101-946	PIN, cotter; 0.12" (3.2 mm) dia; 1.5" (38 mm) long	2
4	102-216	LOCKNUT; 5/8-11	3
5	102-217	NUT, jam; 3/4-10	1
6†	158-674	O-RING; nitrile rubber	1
7	166-043	ROD, connecting; 10-15/16" (278 mm long)	1
8	166-048	SOCKET, coupling	1
9	166-049	NUT, coupling	1
10	166-621	ROD, tie; 15-5/16" (389 mm) shoulder-to-shoulder	3
11	166-045	ELBOW, 90° reducing; 1" x 3/4 npt (fbe)	1
12†	164-661	WASHER; nitrile rubber	1
13	166-044	ADAPTER, outlet; 3/4 npt (m x f)	1
14	166-622	TUBE, riser	1
15	166-625	TUBE, intake; 4-1/4" (108 mm) long	1

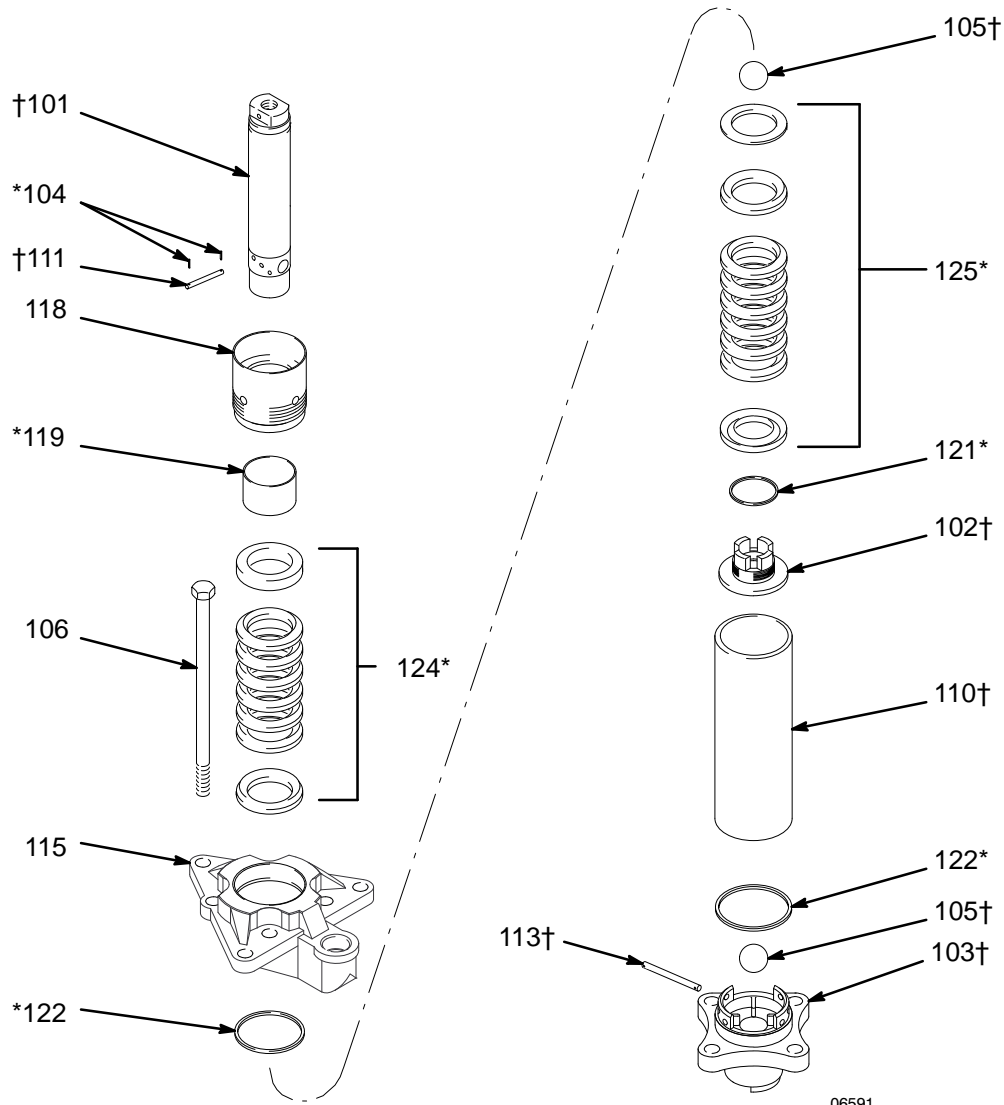
† Recommended tool box spare parts. Keep these spare parts on hand to reduce down time.



Parts

Model 206-792 Displacement Pump, Series D PTFE Packings

Includes items 101-125



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
101†	206-614	ROD, displacement	1	118	168-282	NUT, packing, w/wet cup	1
102†	206-616	BODY, piston	1	119*	168-283	BEARING, throat	1
103†	206-617	HOUSING, intake valve	1	121*	166-623	O-RING, PTFE	1
104*	100-063	PIN, cotter; 0.06" (1.5 mm) dia; 0.5" (13 mm) long	2	122*	166-624	O-RING, PTFE	2
105†	101-968	BALL; 1-1/4" (31.8 mm) dia	2	124*	223-370	GLAND/PACKING STACK, throat	1
106	102-215	SCREW, cap, hex hd; 5/8-11; 12" (305 mm) long	4	125*	223-364	GLAND/PACKING STACK, piston	1
110†	166-368	CYLINDER	1				
111†	166-371	PIN, ball stop, piston	1				
113†	166-376	PIN, ball stop, intake	1				
115	166-384	HOUSING, outlet	1				

* Included in Repair Kit 207-581.

† Recommended tool box spare parts. Keep these spare parts on hand to reduce down time.

Technical Data

Air operating range	40 to 100 psi (3–7 bar, 0.3 to 0.7 MPa).
Air Consumption	15 cfm per gallon pumped (0.11 m ³ /min/liter) with pump operated in recommended range
Pump cycles per gallon (liter)	7 (26.5)
Maximum recommended pump speed	60 cycles/min.
Recommended speed for optimum pump life	21 cycles/min.
Maximum pump discharge pressure	1000 psi (70 bar, 7.0 MPa)
Wetted parts	.303 and 304 grade Stainless Steel, PTFE
Weight	
Models 206–797 and 215–875	85 lb (39 kg)
Model 215–876	120 lb (54 kg)

Manual Change Summary

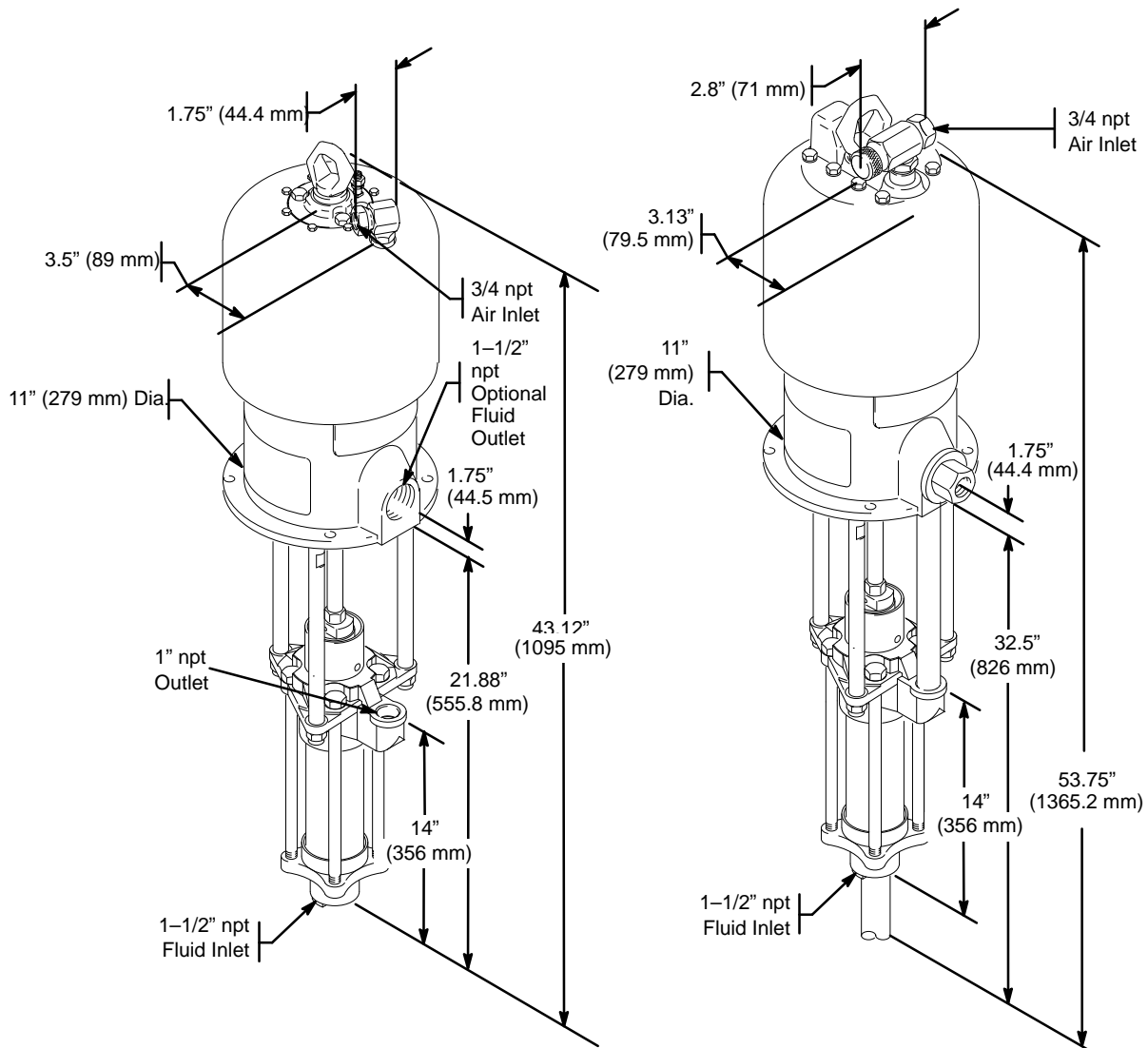
The manual has been changed per ECO V5370.

Dimensions

Model 206-797

Model 215-876

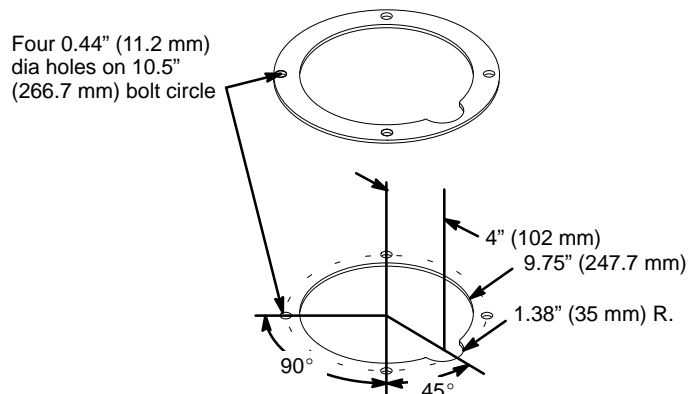
Model 215-876 has a 3/4 npsm Air Inlet



06593

06594

Mounting Hole Layout



06595

The 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 Number

TO PLACE AN ORDER, contact your Graco distributor, or call this number to identify the distributor closest to you:
1-800-367-4023 Toll Free

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: Atlanta, Chicago, Detroit, Los Angeles
Foreign Offices: Belgium, Canada, England, Korea, Switzerland, France, Germany, Hong Kong, Japan

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PRINTED IN U.S.A. 306-821 February 1964, Revised May 1998