

Instructions – Parts List



5 GALLON (19 LITER) PAIL-MOUNTED

23:1 Ratio Monark®

Hydra-Spray® Sprayers

307621R

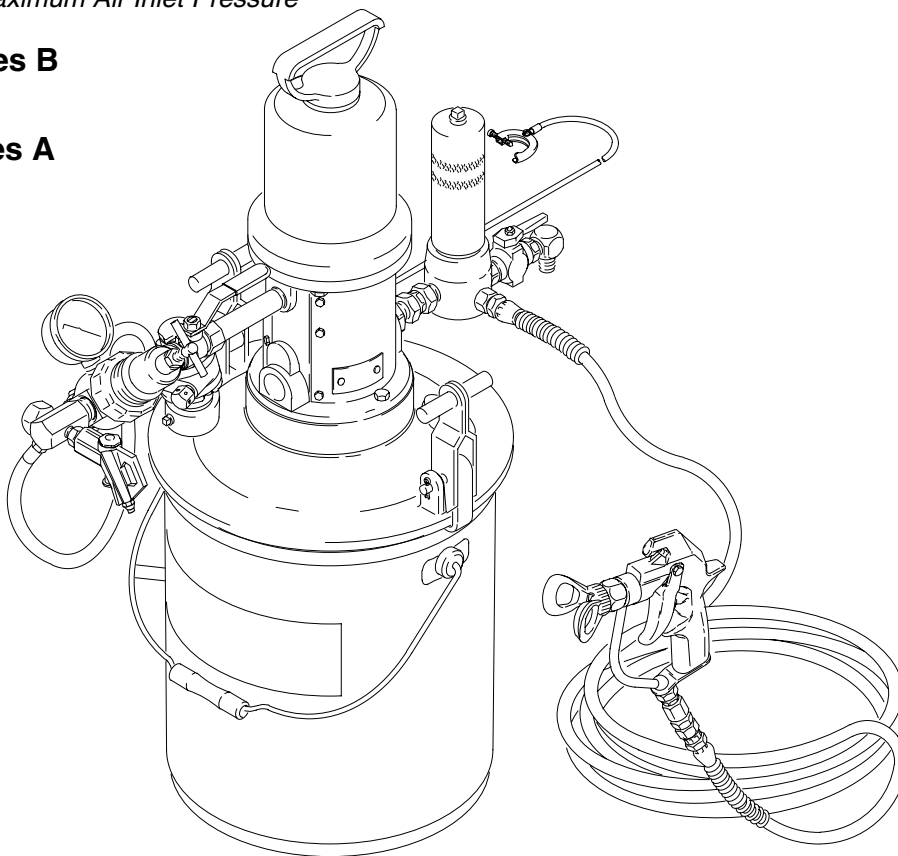
*2760 psi (19 MPa, 190 bar) Maximum Fluid Working Pressure
120 psi (0.8 MPa, 8 bar) Maximum Air Inlet Pressure*

Part No. 226970, Series B

With Agitator

Part No. 231114, Series A

Without Agitator



Model 226970 Shown

05983



Read warnings and instructions.

See page 2 for table of contents.

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PROVEN QUALITY. LEADING TECHNOLOGY.

CE 0359  II 1/2 G T6
ITS03ATEX11251

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Symbols

Warning Symbol



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

Caution Symbol



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.
- Do not exceed the maximum working pressure of the lowest rated system component. Refer to the **Technical Data** on page 16 for the maximum working pressure of this equipment.
- 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.
- 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 82°C (180°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.
- 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.



MOVING PARTS HAZARD

Moving parts, such as the air motor piston, can pinch or amputate your fingers.

- Keep clear of all moving parts when starting or operating the pump.
- Before 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 5.
- 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.
- Electrically disconnect all equipment in the spray area.
- 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.

Setup

General Information

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

NOTE: Always use Genuine Graco Parts and Accessories, available from your Graco distributor. If you supply your own accessories, be sure they are adequately sized and pressure rated for your system.

Fig. 2 is only a guide for selecting and installing system components and accessories. Contact your Graco distributor for assistance in designing a system to suit your particular needs.

Prepare the Operator

All persons who operate the equipment must be trained in the safe, efficient operation of all system components as well as the proper handling of all fluids. All operators must thoroughly read all instruction manuals, tags, and labels before operating the equipment.

Prepare the Site

The pump requires 12 scfm (0.336 m³/min) of compressed air while operating at 120 psi (0.8 MPa, 8 bar) air pressure and 60 cycles per minute. Ensure that you have an adequate compressed air supply.

Refer to Fig. 2. Bring a compressed air supply line (A) from the air compressor to the pump location. Be sure all air hoses (A) are properly sized and pressure-rated for your system. Use only electrically conductive hoses. The air hose should have a 1/2 npt(m) thread.

Install a bleed-type shutoff valve (B) in the air line to isolate the air line components for servicing. Install an air line moisture trap and drain valve (C) to help remove moisture from the compressed air supply.

Keep the site clear of any obstacles or debris that could interfere with the operator's movement.

Have a grounded, metal pail available for use when flushing the system or draining the fluid filter.

Grounding

⚠ WARNING

FIRE AND EXPLOSION HAZARD
Before operating the pump, ground the system as explained below. Also read the section **FIRE AND EXPLOSION HAZARD** on page 4.

1. *Pump:* use the ground wire and clamp (supplied). See Fig. 1. Loosen the grounding lug locknut (W) and washer (X). Insert one end of the ground wire (57) into the slot in lug (Z) and tighten the locknut securely. Connect the other end of the wire to a true earth ground.

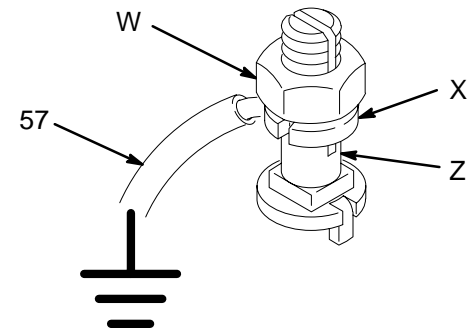


Fig. 1

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2. *Air and fluid hoses:* use only electrically conductive hoses.
3. *Air compressor:* follow manufacturer's recommendations.
4. *Spray gun:* ground through connection to a properly grounded fluid hose and pump.
5. *Fluid supply container:* follow your local code.
6. *Object being sprayed:* follow your local code.
7. *Solvent pails used when flushing:* follow your local code. Use only metal pails, which are conductive, placed on a grounded surface. Do not place the pail on a nonconductive surface, such as paper or cardboard, which interrupts the grounding continuity.
8. *To maintain grounding continuity when flushing or relieving pressure,* hold a metal part of the spray gun firmly to the side of a grounded *metal* pail, then trigger the gun.

Setup

Supplied Components

Refer to Fig. 2.

WARNING

A red-handled bleed-type master air valve (1) and a fluid drain valve (20) are supplied. These accessories help reduce the risk of serious injury, including fluid injection and splashing of fluid 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 valve is closed. 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. Never connect a secondary hose or spray gun to the fluid drain valve.

- **The red-handled bleed-type master air valve (1)** is required in your system to relieve air trapped between it and the air motor when the valve is closed (see the **WARNING** above). Be sure the bleed valve is easily accessible from the pump, and is located **downstream** from the air regulator (5).
- **The air regulator (5)** controls pump speed and outlet pressure by adjusting the air pressure to the pump. It also removes harmful dirt and moisture from the compressed air supply. Locate close to the pump, but **upstream** from the bleed-type master air valve (1).
- **The air manifold (27)** provides ports for connecting lines to air-powered accessories.
- **The fluid filter (10)** includes a 60 mesh (250 micron) stainless steel element to filter particles from the fluid as it leaves the pump.
- **The fluid drain valve (20)** is required in your system to relieve fluid pressure in the hose and gun (see the **WARNING** above).
- **The agitator (59) is supplied on Model 226970 only.** To prevent fluid from settling out, operate the agitator as explained in its separate manual 306565.

Available Accessories (must be purchased separately)

Refer to Fig. 2. Use necessary adapters when installing these accessories.

- **The air filter (D)** removes harmful dirt and moisture from the compressed air supply. Install upstream from the air regulator (5).
- **An air line lubricator (F)** provides automatic air motor lubrication. Install downstream from all other air line accessories.

Assemble the Sprayer

NOTE: Use thread sealant on all male threads except at swivel connections.

1. Assemble the bushing (2), air regulator (5) and attached parts to the red-handled bleed valve (1).
2. **On Model 226970 only**, connect the air hose (59b) to the air inlet of the agitator (59a).
3. Screw the drain valve (20) into the open port of the fluid filter (10). Screw the elbow (3) onto the drain valve so the elbow points down.

WARNING

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. Never connect a secondary hose or spray gun to the fluid drain valve.

4. Connect the main fluid hose (6) to the nipple (30) at the fluid filter (10) outlet.
5. **On Model 226970 only**, screw the gun swivel (58) onto the other end of the hose (6).
6. Connect the spray gun (9) to the fluid hose (6) or gun swivel (58).

Setup

KEY

COMPONENTS YOU MUST SUPPLY

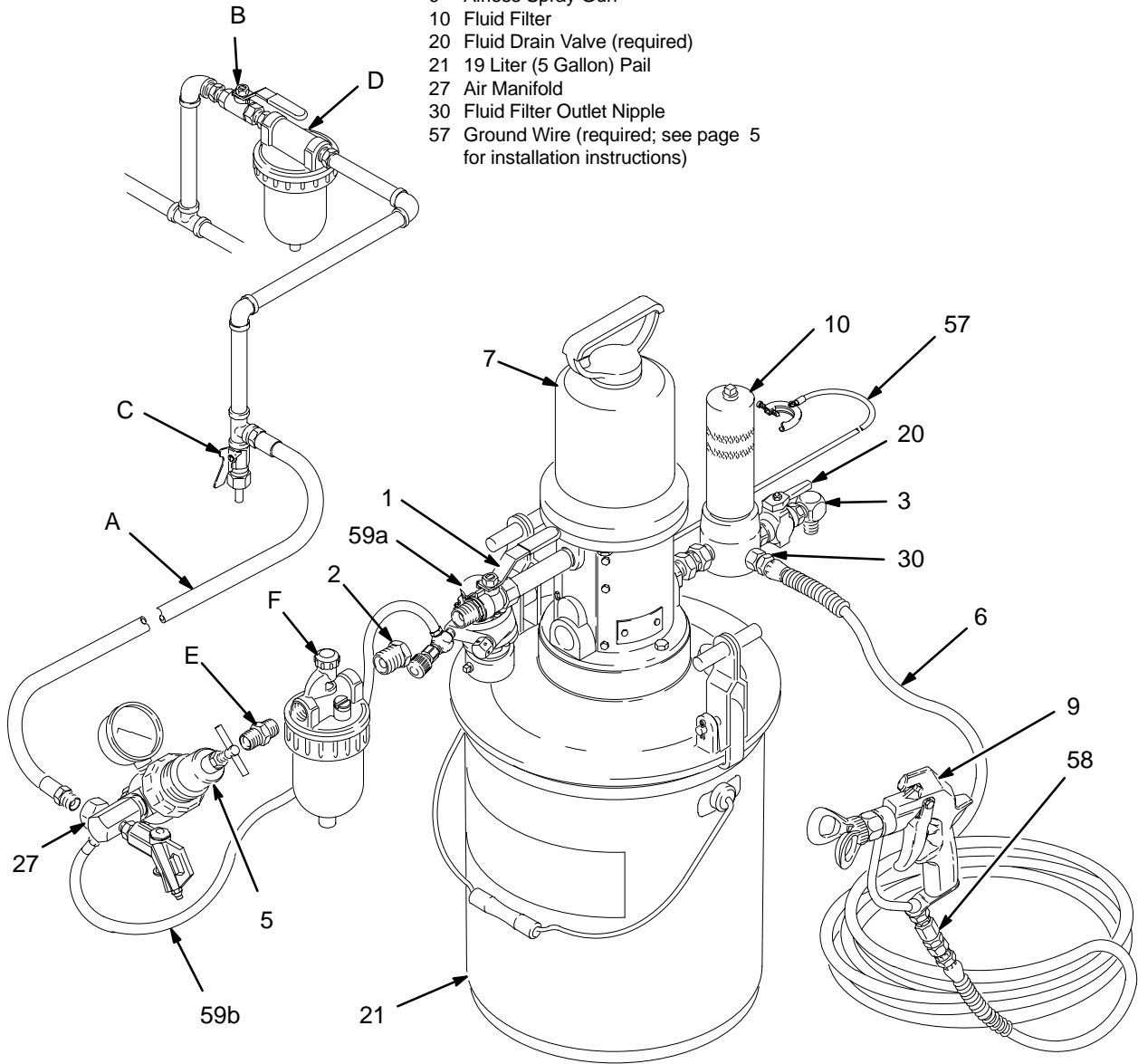
- A Electrically Conductive Air Supply Hose
- B Bleed-Type Master Air Valve (for accessories)
- C Air Line Moisture Trap and Drain Valve
- D Air Line Filter
- E Fitting for Lubricator
- F Air Line Lubricator

SUPPLIED WITH ALL MODELS

- 1 Red-Handled Bleed-Type Master Air Valve (required, for pump)
- 2 Air Line Bushing
- 3 Drain Valve Elbow
- 5 Air Regulator
- 6 Fluid Supply Hose
- 7 Pump
- 9 Airless Spray Gun
- 10 Fluid Filter
- 20 Fluid Drain Valve (required)
- 21 19 Liter (5 Gallon) Pail
- 27 Air Manifold
- 30 Fluid Filter Outlet Nipple
- 57 Ground Wire (required; see page 5 for installation instructions)

SUPPLIED WITH MODEL 226970 ONLY

- 58 Gun Swivel
- 59a Agitator
- 59b Agitator Air Hose



Model 226970 Shown

Fig. 2

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Operation

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 gun trigger safety.
2. Close the red-handled bleed-type master air valve (1, required in your system).
3. Close the air regulator (5).
4. Unlock the gun trigger safety.
5. Hold a metal part of the gun firmly to the side of a grounded metal pail, and trigger the gun to relieve pressure.
6. Lock the gun trigger safety.
7. Open the drain valve (20, 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 completely clogged, or that pressure has not been fully relieved after following the steps above, **very slowly** loosen the tip guard retaining nut or hose end coupling and relieve pressure gradually, then loosen completely. Now clear the tip or hose.*

Packing Nut/Wet-Cup

WARNING

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

The packing nut is torqued at the factory and is ready for operation. If it becomes loose and there is leaking from the throat packings, **relieve pressure**, then torque the packing nut to 18 to 20 ft-lb (24 to 27 N.m). Do this whenever necessary. Do not overtighten the packing nut.

Flush the Pump Before First Use

The pump is tested with lightweight oil, which is left in to protect the pump parts. If the fluid you are using may be contaminated by the oil, flush it out with a compatible solvent. See **Flushing** on page 10.

Using the Airless Spray Gun

Before operating the equipment, read the instruction manual supplied with the gun.

Spray some test patterns before doing any finished work. Refer to the gun manual for detailed information on correct spraying technique.

Using the Agitator (Model 226970 only)

Before operating the agitator, read the agitator instruction manual supplied.

Operation

Prime the Pump

1. See Fig. 3. Remove the tip guard and spray tip (31) from the gun (9). See the gun instruction manual.
2. Close the air regulator (5) and bleed-type air valves (B, 1).
3. Close the fluid drain valve (20).
4. Connect the main air supply hose (A) to the air manifold (27).
5. Check that all fittings throughout the system are tightened securely.
6. Open the bleed-type air valves (B, 1).
7. Hold a metal part of the gun (9) firmly to the side of a grounded metal pail and hold the trigger open.
8. Slowly open the air regulator (5) until the pump starts, about 40 psi (2.8 bar).
9. Cycle the pump slowly until all air is pushed out and the pump and hoses are fully primed.
10. Release the gun trigger and lock the trigger safety. The pump should stall against pressure.

Set the Air and Fluid Pressure

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. **Relieve the pressure.** Install the tip guard and spray tip (31) in the gun (9), as explained in the gun manual.
2. Open the air regulator (5) slowly. Use the regulator to control pump speed and fluid pressure. Always use the lowest air pressure necessary to get the desired results. Higher pressures cause premature tip and pump wear.

NOTE: To open the air regulator, turn the T-handle in (clockwise). To close the regulator, turn the handle counterclockwise. To lock the regulator setting, tighten the jam nut.

WARNING

COMPONENT RUPTURE HAZARD



To reduce the risk of overpressurizing your system, which could cause component rupture and serious injury, *never exceed the specified Maximum Incoming Air Pressure to the pump* (see the **Technical Data**, on page 16).

3. With the pump and lines primed, and with adequate air pressure and volume supplied, the pump will start and stop as you open and close the gun.

CAUTION

Do not allow the pump to run dry. It will quickly accelerate to a high speed, causing damage. If your pump is running too fast, stop it immediately and check the fluid supply. If the container is empty and air has been pumped into the lines, refill the container and prime the pump and the lines, or flush and leave it filled with a compatible solvent. Eliminate all air from the fluid system.

Operation

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.

For overnight shutdown, stop the pump at the bottom of its stroke to prevent fluid from drying on the exposed displacement rod and damaging the throat packings. **Relieve the pressure.**

Always flush the pump before the fluid dries on the displacement rod. See **Flushing** below.

Flushing

WARNING



FIRE AND EXPLOSION HAZARD

Before flushing, read the section **FIRE AND EXPLOSION HAZARD** on page 4. Be sure the entire system and flushing pails are properly grounded. Refer to **Grounding** on page 5.



Flush the pump:

- Before the first use
- When changing colors or fluids
- Before fluid can dry or settle out in a dormant pump (check the pot life of catalyzed fluids)
- Before storing the pump.

Flush with a fluid that is compatible with the fluid you are pumping and with the wetted parts in your system. Check with your fluid manufacturer or supplier for recommended flushing fluids and flushing frequency.

CAUTION

Never leave water or water-base fluid in the pump overnight. If you are pumping water-base fluid, flush with water first, then with a rust inhibitor such as mineral spirits. Relieve the pressure, but leave the rust inhibitor in the pump to protect the parts from corrosion.

WARNING

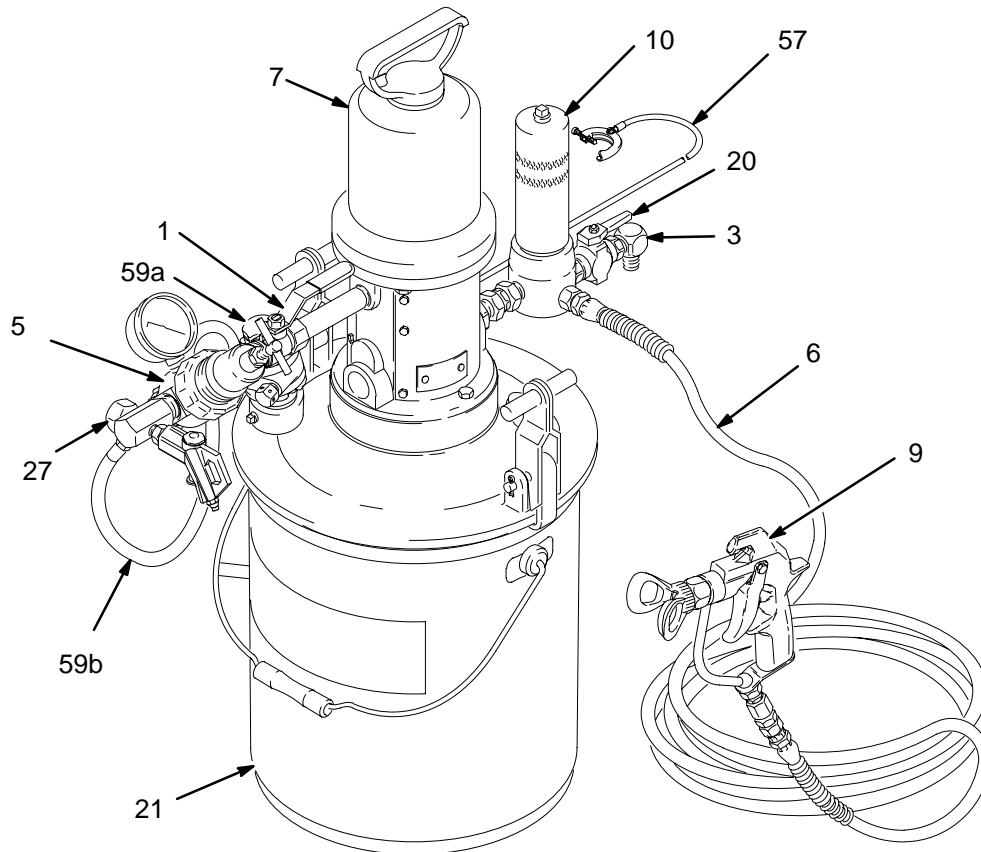
To reduce the risk of serious injury whenever you are instructed to relieve pressure, always follow the **Pressure Relief Procedure** on page 8.

1. **Relieve the pressure.**
2. Remove the tip guard and spray tip (31) from the gun (9). See the gun instruction manual.
3. Remove the filter element from the fluid filter (10). Reinstall the filter bowl.
4. Hold a metal part of the gun firmly to the side of a grounded *metal* pail.
5. Start the pump. Always use the lowest possible fluid pressure when flushing.
6. Trigger the gun.
7. Flush the system until clear solvent flows from the gun.
8. **Relieve the pressure.**
9. Clean the tip guard, spray tip, and fluid filter element separately, then reinstall them.

Operation

KEY

- | | | |
|--|---------------------------------|---|
| 1 Red-Handled Bleed-Type Master Air Valve (required, for pump) | 7 Pump | 27 Air Manifold |
| 3 Drain Valve Elbow | 9 Airless Spray Gun | 57 Ground Wire (required; see page 5 for installation instructions) |
| 5 Air Regulator | 10 Fluid Filter | 59a Agitator |
| 6 Fluid Supply Hose | 20 Fluid Drain Valve (required) | 59b Agitator Air Hose |
| | 21 19 Liter (5 Gallon) Pail | |



Model 226970 Shown

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Fig. 3

Parts

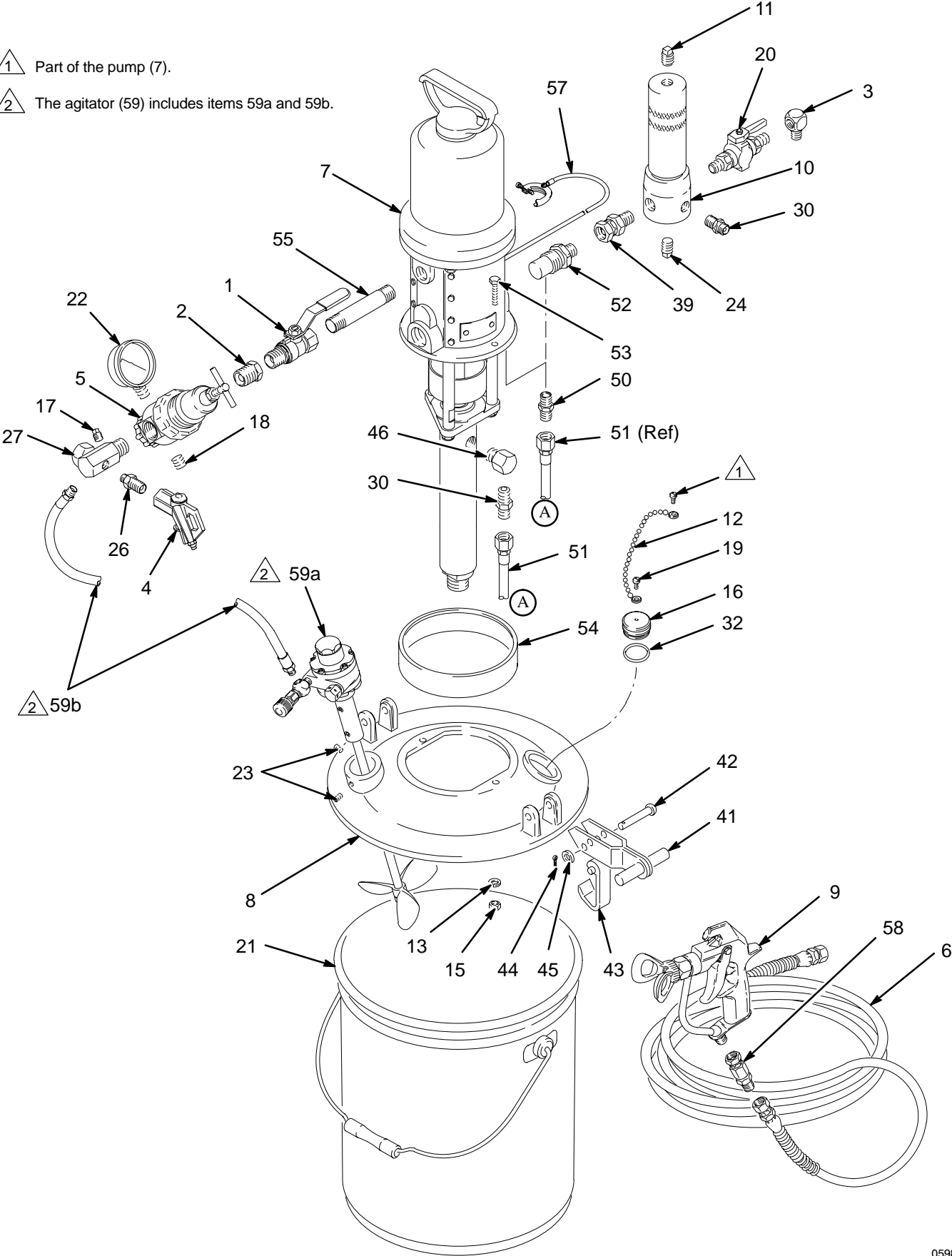
Part No. 231114, Series A (includes items 1–57)

Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	113333	BLEED VALVE, red-handled; 3/8 npt (m x f)	1	23	101962	SCREW, socket hd set; 1/4–20 x 3/8" (10 mm) long	2
2	100081	BUSHING; 1/2 npt(m) x 3/8 npt(f)	1	24	100509	PLUG, pipe; 1/4 npt	1
3	100840	ELBOW, street; 1/4 npt (m x f)	1	26	151519	NIPPLE, reducing; 1/4 x 1/8 npt	1
4	208627	AIR BLOW GUN	1	27	162376	MANIFOLD, air; 1/2 npt (m x f); three 1/8 npt(f) ports	1
5	104267	AIR REGULATOR; see 308167 for parts	1	29	160516	O-RING; buna-N	1
6	223540	HOSE, fluid, electrically conductive; nylon; 1/4" (6 mm) ID; 1/4 npsm(fbe); 25 ft (7.6 m) long; with spring guards	1	30	162453	NIPPLE; 1/4 npt	2
				31	163xxx	SPRAY TIP, customer's choice; (not shown)	1
7	223596	23:1 MONARK PUMP; see 307619 for parts	1	32	156593	O-RING; buna-N	1
8	179917	COVER, pail; 5 gallon (19 liter)	1	33	165096	PLUG	1
9	235462	SPRAY GUN; see 308236 for parts	1	36	101380	PLUG, button (not shown)	1
				39	155665	UNION, adapter; 3/8 npt(m) x 3/8 npsm(f)	1
10	218029	FLUID FILTER; see 307273 for parts	1	41	204535	HANDLE, clamp	2
				42	161395	PIN, handle pivot	2
11	100040	PLUG, pipe; 3/8 npt	1	43	204534	HOOK, cover	2
12	206755	CORD, wire; no. 8 screw size loops; 5–1/2" (138 mm) long	2	44	100063	PIN, cotter; 1/16" (1.5 mm) diameter; 1/2" (13 mm) long	2
13	100016	LOCKWASHER, spring; 1/4"	2	45	158223	WASHER, flat	2
15	100015	NUT; 1/4"	2	46	164259	ELBOW, street; 3/8 npt(m) x 1/4 npt(f)	1
16	164726	PLUG, inspection port	1	50	156971	NIPPLE; 1/4 npt	1
17	100403	PLUG, pipe; square hd; 1/4 npt	2	51	206966	HOSE, fluid; PTFE; 1/4" (6 mm) ID; 1/4 npsm(fbe); 19 in. (483 mm) long	1
18	100721	PLUG, pipe; socket hd; 1/4 npt	1				
19	100933	SCREW, self tap type "f"; no. 8–32; 3/8" (10 mm) long	2	52	164720	ELBOW, fluid outlet	1
				53	104429	SCREW, cap, hex hd; 1/4–20; 12.25 in. (57.2 mm) long	2
20	210657	DRAIN VALVE; see 306861 for parts	1	54	165094	SPACER	1
21	101108	PAIL; 5 gallon (19 liter)	1	55	100195	NIPPLE; 3/8 npt; 4" (102 mm)	1
22	101180	GAUGE, pressure, air; 0–200 psi (0–14 bar) range	1	57	237569	GROUND WIRE AND CLAMP	1

Parts

Part No. 226970, Series B (includes items 1–59)

- △ 1 Part of the pump (7).
- △ 2 The agitator (59) includes items 59a and 59b.



Parts

Part No. 226970, Series B (includes items 1–59)

Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	113333	BLEED VALVE, red-handled; 3/8 npt (m x f)	1	26	151519	NIPPLE, reducing; 1/4 x 1/8 npt	1
2	100081	BUSHING; 1/2 npt(m) x 3/8 npt(f)	1	27	162376	MANIFOLD, air; 1/2 npt (m x f); three 1/8 npt(f) ports	1
3	100840	ELBOW, street; 1/4 npt (m x f)	1	30	162453	NIPPLE; 1/4 npt	2
4	208627	AIR BLOW GUN	1	31	163413	SPRAY TIP (not shown)	1
5	104267	AIR REGULATOR; see 308167 for parts	1	31a	163xxx	SPRAY TIP, customer's choice; (not shown)	1
6	223540	HOSE, fluid, electrically conductive; nylon; 1/4" (6 mm) ID; 1/4 npsm(fbe); 25 ft (7.6 m) long; with spring guards	1	32	156593	O-RING; buna-N	1
7	223596	23:1 MONARK PUMP; see 307619 for parts	1	36	101380	PLUG, button (not shown)	1
8	179917	COVER, pail; 5 gallon (19 liter)	1	39	155665	UNION, adapter; 3/8 npt(m) x 3/8 npsm(f)	1
9	235462	SPRAY GUN; see 308236 for parts	1	41	204535	HANDLE, clamp	2
10	218029	FLUID FILTER; see 307273 for parts	1	42	161395	PIN, handle pivot	2
11	100040	PLUG, pipe; 3/8 npt	1	43	204534	HOOK, cover	2
12	206755	CORD, wire; no. 8 screw size loops; 5–1/2" (138 mm) long	1	44	100063	PIN, cotter; 1/16" (1.5 mm) diameter; 1/2" (13 mm) long	2
13	100016	LOCKWASHER, spring; 1/4"	2	45	158223	WASHER, flat	2
15	100015	NUT; 1/4"	2	46	164259	ELBOW, street; 3/8 npt(m) x 1/4 npt(f)	1
16	164726	PLUG, inspection port	1	50	156971	NIPPLE; 1/4 npt	1
17	100403	PLUG, pipe; square hd; 1/4 npt	1	51	206966	HOSE, fluid; PTFE; 1/4" (6 mm) ID; 1/4 npsm(fbe); 19 in. (483 mm) long	1
18	100721	PLUG, pipe; socket hd; 1/4 npt	1	52	164720	ELBOW, fluid outlet	1
19	100933	SCREW, self tap type "f"; no. 8–32; 3/8" (10 mm) long	1	53	104429	SCREW, cap, hex hd; 1/4–20; 12.25 in. (57.2 mm) long	2
20	210657	DRAIN VALVE; see 306861 for parts	1	54	165094	SPACER	1
21	101108	PAIL; 5 gallon (19 liter)	1	55	100195	NIPPLE; 3/8 npt; 4" (102 mm)	1
22	101180	GAUGE, pressure, air; 0–200 psi (0–14 bar) range	1	57	237569	GROUND WIRE AND CLAMP	1
23	101962	SCREW, socket hd set; 1/4–20 x 3/8" (10 mm) long	2	58	239663	SWIVEL, gun	1
24	100509	PLUG, pipe; 1/4 npt	1	59	222695	AGITATOR; see 306565 for parts; includes items 59a and 59b	1
				59a	224571	. AGITATOR, bare	1
				59b	160023	. HOSE, air; buna-N; 1/4" (6 mm) ID; 1/8 npt (mbe)	1

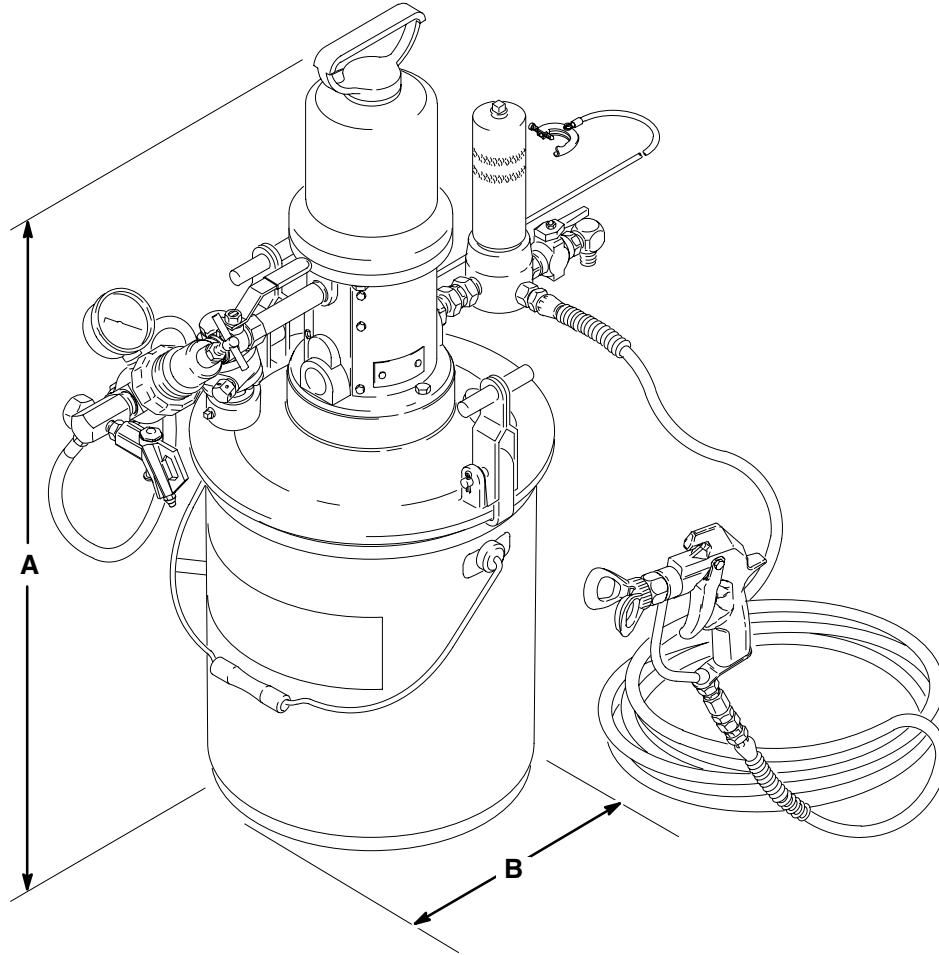
Technical Data

Category	Data
Maximum fluid working pressure	2760 psi (19 MPa, 190 bar)
Maximum air input pressure	120 psi (0.8 MPa, 8 bar)
Ratio	23:1
Pump performance data	See pump manual 307619
Air consumption data	See pump manual 307619
Air inlet size	1/2 npt(f) at inlet fitting; 3/8 npt(f) at pump
Fluid outlet size (at fluid filter)	1/4 npt(f)
Fluid inlet size	3/4 npt(m)
Maximum operating temperature	82°C (180°F)
* Sound level at 120 psi, 25 cycles/min	88 dBa
* Sound power level at 120 psi, 25 cycles/min	95 dBa
Wetted parts	<i>Pump: See pump manual 307619</i> <i>Fluid Filter: See manual 307273</i> <i>Fluid Hose and Tube: PTFE, Carbon Steel</i> <i>Spray Gun: See gun manual 308236</i>

* Tested in accordance with ISO 3744.

Dimensions

Model 226970 Shown



05983

Pump Model	A	B	Weight
231114	29 in. (737 mm)	13 in. (330 mm)	48 lb (22 kg)
226970	29 in. (737 mm)	13 in. (330 mm)	50 lb (23 kg)

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 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 Information

TO PLACE AN ORDER, contact your Graco distributor, or call one of the following numbers to identify the distributor closest to you:

1-800-367-4023 Toll Free

612-623-6921

612-378-3505 Fax

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
International Offices: Belgium, Korea, Hong Kong, Japan

www.graco.com

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