INSTRUCTIONS



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



Rev. G Supersedes F

307-452

GRACO

04834

Model 700N

STAINLESS STEEL FLUID PASSAGES

100 psi (7 bar) Maximum Working Fluid Pressure 100 psi (7 bar) Maximum Working Air Pressure

See the charts on pages 4 and 5 for complete air spray gun ordering numbers and descriptions.

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Symbols

Warning Symbol

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WARNING

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.

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 Graco Technical Assistance at 1–800–543–0339.
• 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 component in your system. This equipment has a 100 psi (7 bar) maximum working fluid pressure and a 100 psi (7 bar) maximum working air pressure.
• Use fluids and solvents which are compatible with the equipment wetted parts. Refer to the Tech-nical Data section of all equipment manuals. Read the fluid and solvent manufacturer's warnings.
 Methylene Chloride with formic or propionic acid is not recommended as a flushing or cleaning solvent with this gun or any other device with nylon or aluminum components as it can damage these parts.
Hearing protection is recommended when using this equipment.
• Read and follow the fluid and solvent manufacturer's literature regarding the use of protective eyewear, gloves, clothing, respirator and other equipment.
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 82°C (180°F) or below –40°C (–40°F).
• Comply with all applicable local, state, and national fire, electrical, and safety regulations.

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	A WARNING
.	PRESSURIZED EQUIPMENT HAZARD
€-~G	Spray 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 fluid leaks with your hand, body, glove, or rag.
	• Follow the Pressure Relief Procedure on page 8 whenever you: are instructed to relieve the pressure; stop spraying; clean, check, or service the equipment; or install or clean the fluid nozzle.
	 Tighten all the fluid connections before operating the equipment.
	 Check the hoses, tubes, and couplings daily. Replace worn, damaged, or loose parts immediately. Permanently coupled hoses cannot be repaired; replace the entire hose.

Ordering Charts

The charts below provide a cross reference between identification numbers stamped on the parts and the Graco part number. Chart 1 shows the complete gun assemblies available, grouped by basic gun type. Chart 2 shows fluid nozzle/needle combinations. Chart 3 shows the air caps available.

The following is an example of how to use these charts:

• Your application calls for a *pressure feed gun*. **Chart 1** shows this to be a *P700N basic gun*.

Chart 1: Gun Combinations Available

P700N: Pressure Feed Guns

	Combinations:					
Ordering Part No.	Gun	Nozzle See Chart 2	Air Cap See Chart 3			
217–750	P700N	0N	0			
217–752	P700N	0N	03			

- Your application calls for a *pressure feed gun*. **Chart 1** shows this to be a *P700N basic gun*.
- Using **Chart 2**, the flow rate required and fluid viscosity call for an *03N fluid nozzle and needle combination*.
- By using **Chart 3**, you determine that the *0 air cap* is best for the application.
- This makes your combination a *P700N–03N–0*. Chart 1 shows that the *Graco part number* for this combination is *217–752*.

S700N: Siphon Feed Guns

	Combinations:						
Ordering Part No.	Gun	Nozzle See Chart 2	Air Cap See Chart 3				
217–755	S700N	11N	11				
217–756	S700N	21N	2				
217–758	S700N	3N	3				

Terms:

Light Fluid: 19 to 24 seconds (No. 2 Zahn cup). Auto, furniture, appliances, fine-finish metallics, top coats, lacquer, enamel primers.

Medium Fluid: 22 to 41 seconds (No. 2 Zahn cup). Contact adhesive, latex, maintenance paints, textures, primers, epoxies, vinyls, high flow – high viscosity.

Heavy Fluid: Mastics, block fillers, roof coating, sound deadeners, adhesive, textures.

Ordering Charts

Type		Flow Rate		Or	der Part Numb	er
Nozzle/ Needle	Orifice Size	fl oz/min (liters/min)	Recommended Usage (see TERMS above)	Kit	Nozzle Only	Needle Only
0N/0N	0.047" (1.2 mm)	8–18 (0.24–0.54)	Light fluid Pressure feed	106–766	106–750	106–758†
11N/2N	0.055" (1.4 mm)	4–10 (0.12–0.30)	Light fluid Siphon feed	106–768	106–751	106–759†
21N/2N	0.070" (1.8 mm)	8–12 (0.24–0.36)	Medium fluid Siphon feed	106–769	106–752	106–760
3N/3N	0.098" (2.5 mm)	12–18 (0.36–0.54)	Heavy fluid Siphon feed	106–770	106–753	106–761

Chart 2: Fluid Nozzle/Needle Combinations*

* Needles and fluid nozzles are manufactured in matched, lapped sets and should be ordered as a kit to ensure perfect seating of the needle in the fluid nozzle.

Optional Plastic Tipped Needle, Part No. 108–704, can be used with 0.047 in. (1.2 mm) and 0.055 in.
 (1.4 mm) orifice size. Typical use is for extremely light viscosity fluids, such as stains and dyes.

NOTE: See page 17 for Fluid Flow Charts.

Chart 3: Air Caps Available

	Pattern I ength	Consumption Recommended cfm at psi				led	Order	
Туре	at 10 in. (254 mm)	Pattern Shape Recommended Usage	(m³/min at bar)	0	11	21	3	Part Number
0	13–16" (330–400 mm)	Long taper. Medium to high pro- duction. Lacquers, acrylics, epoxies.	15 at 50 (0.42 at 3.5)	X				106–700
03	9–13" (230–330 mm)	Medium taper. Medium to high production. Lacquers, acrylics.	16 at 50 (0.44 at 3.5)	X				106–706
11	8–10" (200–250 mm)	Blunt end. Low to medium pro- duction. Lacquers, enamels.	12 at 50 (0.34 at 3.5)		X			106–702
2	9–11" (230–280 mm)	Blunt end. Medium production. Lacquers, enamels.	11 at 50 (0.31 at 3.5)			X		106–703
3	11–13" (280–330 mm)	Tapered. Medium to high produc- tion. Heavy fluids.	12 at 50 (0.34 at 3.5)				X	106–705

NOTE: See page 16 for Air Flow Charts.

Installation



Ventilate the Spray Booth

TOXIC FLUID HAZARD To prevent hazardous concentrations of toxic and/or flammable vapors, spray only in a properly ventilated spray booth.

Never operate the spray gun unless ventilation fans are operating.

Check and follow all of the national, state and local codes regarding air exhaust velocity requirements.

Check and follow all local safety and fire codes.

Installation Procedure

NOTE: See **Accessories** section for information on recommended accessories.

- Install an air filter (G) in the gun air supply line to ensure a clean dry air supply to the gun. See Fig. 1. Dirt and moisture in the air line can affect the appearance of your finished workpiece.
- 2. Install an air regulator (F) downstream from the air filter to control atomizing air pressure to the gun.
- 3. Install an air shut-off valve (E).
- 4. Connect the atomizing air hose (D) to the 1/4 npsm air inlet (C) of the gun.
- 5. Connect the fluid supply hose, siphon cup gravity cup (see Fig. 2) to the 3/8 npsm fluid inlet (B) of the gun.

NOTE: If you use a fluid supply line, install a fluid regulator in the gun fluid supply line to control fluid pressure to the gun.

Installation

NOTE: On the gravity gun, gravity cups connect to the gun at a fluid inlet on the side of the gun. See Fig. 2.



Operation

Pressure Relief Procedure

WARNING

PRESSURIZED EQUIPMENT HAZARD

The system pressure must be manually relieved to prevent the system from starting or spraying accidentally. To reduce the risk of an injury from accidental spray from the gun, 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 nozzles.
- 1. Turn off the air and fluid supply to the gun.
- 2. Trigger the gun into a grounded metal waste container to relieve system pressures.

Filter the Fluid

Strain or filter the fluid to remove coarse particles and sediment, then check the viscosity of the fluid. Install the proper needle/nozzle set and air cap combination selected from the charts on page 5.

Adjusting the Spray Pattern (See Fig. 3)

The desired pattern, volume of fluid output and degree of atomization can easily be obtained by regulating the fan adjustment valve (5) and the fluid adjustment knob (6).

Adjust the Pattern Size

Turn the fan adjustment valve (5) out (counterclockwise) to make the spray pattern wider.

Adjust the Fluid Output Volume for Pressure Feed

Turn the fluid adjustment knob (6) out all the way (counterclockwise). Then adjust the air pressure at the pressure feed tank until the desired fluid flow is obtained. For the final adjustment, turn the fluid adjustment knob in (clockwise) to reduce the volume of fluid output until the desired results are obtained.

Adjust the Fluid Output Volume for Siphon or Gravity Feed

Turn the fluid adjustment knob (6) in (clockwise) to reduce the volume of fluid output, and turn it out (counterclockwise) to increase the fluid output.

NOTE: If the fluid adjustment knob is turned in all the way, the gun will emit only air.

Test the Spray Pattern

Hold the gun about 10 in. (254 mm) away from the surface of the test piece. Adjust the air pressure to the gun until proper atomization is achieved. Use the lowest possible air pressure to obtain the desired results.

NOTE: The air adjustment valve (17) can also be used to regulate air at the gun.

Continuous Spraying

Leave the fan and fluid adjustment valves in the full open positions. This provides maximum fluid flow and prevents premature wear on the fluid nozzle. Use separate regulators to control the air and fluid flow to the gun.

Short-term Operations

The pattern size and fluid output volume may be reduced by turning in the fan and fluid adjustment valves.

Spray Pattern Direction

WARNING

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

The direction of the spray pattern is determined by the position of the air cap (3). The horns of the air cap should be the opposite direction (horizontal or vertical) of the desired direction of the spray pattern. To change the spray pattern direction, first **relieve the pressure**. Then loosen and turn the air cap to the desired position and hand tighten the air cap securely.

Proper pattern adjustment will give a spray pattern shaped like this:

Vertical Pattern

Horizontal Pattern

See the **Troubleshooting Chart** for the cause and solution of improper spray patterns.

Maintenance

To avoid contaminating the fluid being sprayed, be sure that the solvents used are compatible with the fluid being sprayed.

To avoid getting solvent in the gun air passages, never immerse the gun in solvent.

Methylene Chloride with formic or propionic acid is **not** recommended as a flushing or cleaning solvent with this gun or any other device with nylon or aluminum components, as it can damage these parts.

Cleaning

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. To clean the gun, flush it with a compatible solvent until all traces of paint are removed from the gun passages.

- 2. Relieve the pressure.
- 3. Wipe the outside of the gun clean with a solvent dampened cloth.
- 4. If the air cap and fluid nozzle need cleaning, **relieve the pressure**, and remove the air cap (3) from the gun. Remove the fluid nozzle with the special nozzle wrench (21), supplied. Soak the fluid nozzle in solvent and wipe it with a clean cloth. Soak the air cap in solvent and scrub it with a fine bristled brush (20). To clean the holes in the air cap, use a toothpick or other soft implement to avoid damaging critical surfaces.

Never use metal instruments to clean holes in the air cap and nozzle. Metal instruments can damage the holes in the air cap and fluid nozzle, resulting in distortion of the spray pattern.

Lubricating

Lubricate the gun daily with light oil at the points marked 3 in Fig. 3. Periodically lubricate the fluid needle spring (7) with lightweight grease or petroleum jelly.

Troubleshooting

A 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** before you check or service any system equipment.
- 2. Check all possible causes and solutions in the **Troubleshooting Chart** before disassembling the gun.

NOTE: Some improper patterns are caused by the improper balance between air and fluid.

Problem:	Cause	Solution		
Improper Spray Pattern				
Fluttering or spitting spray	Insufficient fluid supply.	Adjust fluid regulator or fill fluid supply.		
	Loose fluid nozzle or damaged fluid	Tighten fluid nozzle or replace fluid nozzle and needle.		
	Dirt between fluid nozzle, taper seat, and body.	Clean. Tighten or replace fitting.		
	Loose or cracked fluid inlet fitting (22).			
	Loose fluid tube in cup or tank.	Lubricate or replace packings (10):		
	Dry or worn fluid needle packing or loose packing nut permits air to get into fluid passage (siphon feed).	tighten packing nut (9).		
	Fluid build-up on air cap; partially clogged horn holes. Full air pressure from clean horn hole forces fan pattern toward clogged end.	Clean with soft implement or sub- merge in suitable solvent and wipe clean.		
	Damaged fluid nozzle or air cap holes.	Replace damaged part.		
•	Fluid build-up on the perimeter of fluid nozzle orifice, or partially clogged fluid nozzle orifice.	Remove obstruction. Never use wire or hard instruments.		
	Too high atomization air pressure.	Reduce air pressure or adjust fan ad- justment valve (5).		
• •	Fluid too thin.	Regulate fluid viscosity.		
	Not enough fluid pressure.	Increase fluid pressure.		
	Low atomization air pressure.	Increase air pressure or adjust air ad- justment valve (17).		
	Fluid too thick.	Regulate fluid viscosity.		
	Too much fluid.	<i>On siphon feed guns</i> , reduce fluid flow by adjusting fluid adjustment knob (6). <i>On pressure feed guns</i> , reduce fluid pressure. Adjust fluid adjustment knob (6) until proper pattern is obtained.		
Streaks	Last coat of fluid applied too wet.	Apply drier finish with multiple strokes.		
	Too much air pressure.	Use lowest air pressure necessary.		
	Insufficient air pressure.	Increase air pressure.		
	Non-uniform spray pattern.	Clean or replace air cap.		

Troubleshooting

Problem	Cause	Solution
Fluid packing nut leaking.	Loose needle packing nut (9).	Tighten.
	Worn needle packings (10).	Replace.
Air leakage from front of gun.	Air valve (12, 13) not seating properly.	Clean, service.
Fluid leakage from front of gun.	Needle (1) worn or damaged.	Replace.
	Worn needle and nozzle seat in fluid nozzle (2).	Replace fluid nozzle and needle.
	Needle packings (10) too tight.	Lubricate packings (10) and adjust packing nut (9).

Service

A WARNING

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

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

NOTE: The fluid needle spring (7) and the air valve spring (11) are not interchangeable. The air valve spring (11) is slightly larger in diameter and will not fit into the fluid valve cavity. See Fig. 3.

Air Valve Service

- 1. If there is air leakage at the air valve needle (12), remove the trigger and unscrew the air valve assembly. See Fig. 3.
- 2. Clean and inspect the needle (12), spring (11) and air valve (13) for wear or damage. Replace if needed.
- 3. Apply a few drops of light-weight machine oil to the air valve needle (12) and reassemble the air valve.

Fluid Packing Replacement

- If leakage occurs at the fluid needle packing nut (9), tighten the nut. If leakage does not stop, remove the fluid adjusting valve knob (6), spring (7) and needle (1). See Fig. 3.
- Unscrew the packing nut (9) and remove the old packings (10). A small hooked tool can be used to remove packings from the cavity. Clean and inspect all the parts for wear or damage, replacing parts as needed.
- 3. Lubricate the new packings and the needle with lightweight oil and insert the packings into the cavity in the order shown in Fig. 3, Detail D.
- 4. Install the needle (1). Slide the packing nut (9) onto the needle before inserting the needle into the packing cavity. Then install the spring (7) and the fluid adjusting knob (6) into the gun body.
- 5. Turn the fluid adjusting knob (6) in until it bottoms out, then back it out six full turns for proper spring adjustment.
- With the trigger released, screw the packing nut (9) in until the packings are fully compressed, then back it off until the needle moves freely when the gun is triggered.

NOTE: For the best fluid packing life, lubricate the gun daily as explained in **Maintenance**.

Service

Installing Fluid and Air Fittings

If the fluid fitting (22) is removed, be sure to install its gasket and washer when reinstalling the fitting. Apply Loctite[®] 242 sealant or equivalent on the fluid fitting threads and torque it into the gun body to 20 ft-lb (27 N•m).

If the air fitting (23) is removed, apply Loctite[®] PST pipe sealant or equivalent to its threads and screw it into the gun body.





Parts

Model 700N

Includes items 1-23



Parts

Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1		NEEDLE, fluid		13	106–732	KIT, packing, air valve	1
		See charts on page 5	1	14	106–730	TRIGGER	1
2		NOZZLE, fluid		15	105-606	SCREW, pivot, trigger	1
		See charts on page 5	1	16	105–605	SCREW, retaining, trigger	1
3		AIR CAP		17⁄⁄	106–729	VALVE, air adjustment	1
		See charts on page 5	1	18*	105–551	GASKET	1
4	106–785	BODY, gun		19*	105–563	O-RING	2
		Includes fittings 22 & 23	1	20		BRUSH; not sold separately	1
5	106–719	VALVE, fan adjustment	1	21	179–764	WRENCH, nozzle	1
6	105–553	KNOB, fluid adjustment	1	22	106–786	FITTING, fluid; includes gasket	
7*	105–554	SPRING, compression, fluid need	le 1			& washer	1
8	106–720	GUIDE, needle, fluid	1	23	106–784	FITTING, air	1
9	106–718	NUT, packing, needle	1		a an than a	nore north on bond to reduce down	
10*	106–885	KIT, packing, needle	1		eep mese sj	bare parts on hand to reduce dow	n
11*	105–608	SPRING, compression, air valve	1	<i>UI</i>	ne.		
12*	106–731	VALVE, air (needle)	1	* Tł wi	nese parts a hich may be	re included in Repair Kit 106–779 purchased separately.),

Air Flow Charts

Each chart is headed by a gun model number. The first number refers to the 700N gun series. The next number refers to the fluid nozzle. The last number refers to the air cap.

To use the Charts:

- 1. Find the chart corresponding to your need.
- 2. On the horizontal axis, note the air pressure that will be used.
- 3. Go up vertically until you intersect the actual flow line.
- 4. Go across and read the flow in cfm.







Air Flow Charts

(Gun Model – Nozzle – Air Cap)



Pressure Feed Fluid Flow Charts

(Gun Model – Nozzle)

Model 700N–0N Nozzle Part No. 106–750



- Low Viscosity = 18 Sec. #2 Zahn Cup
- O Medium Viscosity = 30 Sec. #2 Zahn Cup
- High Viscosity = 30 Sec. #3 Zahn Cup

Dimensional Drawing



Reference	Dimension
Α	6.22 in. (158 mm)
В	3/8 npsm fluid inlet
С	7.13 in. (181 mm)
D	1/4 npsm air inlet

Technical Data

Maximum working fluid pressure	100 psi (7 bar)
Maximum working air pressure	100 psi (7 bar)
Weight	20 oz (557 g)
Wetted parts SST, leather and PTFE or polyethylene and po	olyester elastomer
Maxiumum working temperature	104°F (40°C)
Noise data*	
Sound pressure	87.0 Db(A)
Sound power	99.7 Db(A)

* All readings were taken with the gun controls fully open with an air inlet pressure of 65 psi (4.5 bar). Sound pressure was tested to CAGI-PNUEROP – 1969. Sound power was tested to ISO 3744 – 1981.

Manual Change Summary

The manual was revised to include the following changes:

- The maximum working pressure was changed to 100 psi.
- CE symbol was added to the front page.
- Text and warnings were updated for CE requirements.

Accessories

Use Only Genuine Graco Parts and Accessories

Air Atomizing Hose, Buna-N

200 psi (14 bar) Maximum Working Pressure 5/16 in. (7.9 mm) ID; coupled 1/4 npsm(f) swivel both ends; neoprene cover

210-866	15 ft (4.7 m) long
210–867	25 ft (7.6 m) long
210-868	50 ft (15.2 m) long

Fluid Supply Hose, Nylon

300 psi (21 bar) Maximum Working Pressure 3/8 in. (9.5 mm) ID; cpld 3/8 npsm(f) swivel both ends; neoprene cover

205–160	15 ft (4.7 m) long
205–142	25 ft (7.6 m) long
205–143	50 ft (15.2 m) long

Throat Seal Liquid (TSL) 206–995

1 quart (0.97 liter) non-evaporation lubricant for air and fluid packings.

Siphon Cup PC-12 105-700

34 oz. (1000 cc) capacity; 3/8 npsm(f)

Replacement diaphragm available. Order part number 106–776.



Replacement lid gasket available. Gasket is polyethylene. Order part number 106–778.

	TWIST LOCK	SLIP RING	UNION ADAPTER	TWIST LOCK
COUPLER STEMS 3/8 npsm				
Models	223–627 * 1.0 oz	208–085 * 1.5 oz		223–628 * 1.3 oz
GUN MOUNTED FLUID REGULATORS 1/4 npsm inlet & return ports 5 to 35 psi (0.5 to 2.5 bar) Regulated Pressure				
Models	223–621 * 7.0 oz	208–082 * 7.5 oz	223–622 * 7.0 oz	223–623 * 7.3 oz
STRAIGHT ADAPTERS 3/8 npsm inlet	223-624*	208-250		223-625*
Models	<i>d</i> En			
CIRCULAT- ING ADAPTERS 1/4 npsm inlet & return ports				
Models	214-019			040.00-



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.

EQUIPMENT NOT COVERED BY GRACO WARRANTY

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.

Graco Phone Numbers

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**

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

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