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quality counts.™

Rev. J
Supersedes Rev H
and PCN J



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

INSTRUCTIONS

Husky™ 307 Air Spray/HVLP Systems

**CARBON STEEL PAIL MOUNT,
ACETAL PUMP WITH TEFLON® DIAPHRAGM**

0.7 MPa, 7 bar (100 psi) Maximum Fluid Working Pressure

0.7 MPa, 7 bar (100 psi) Maximum Air Input Pressure

Model 236-871, Series A

Bare Unit with Surge Tank

Model 235-365, Series A

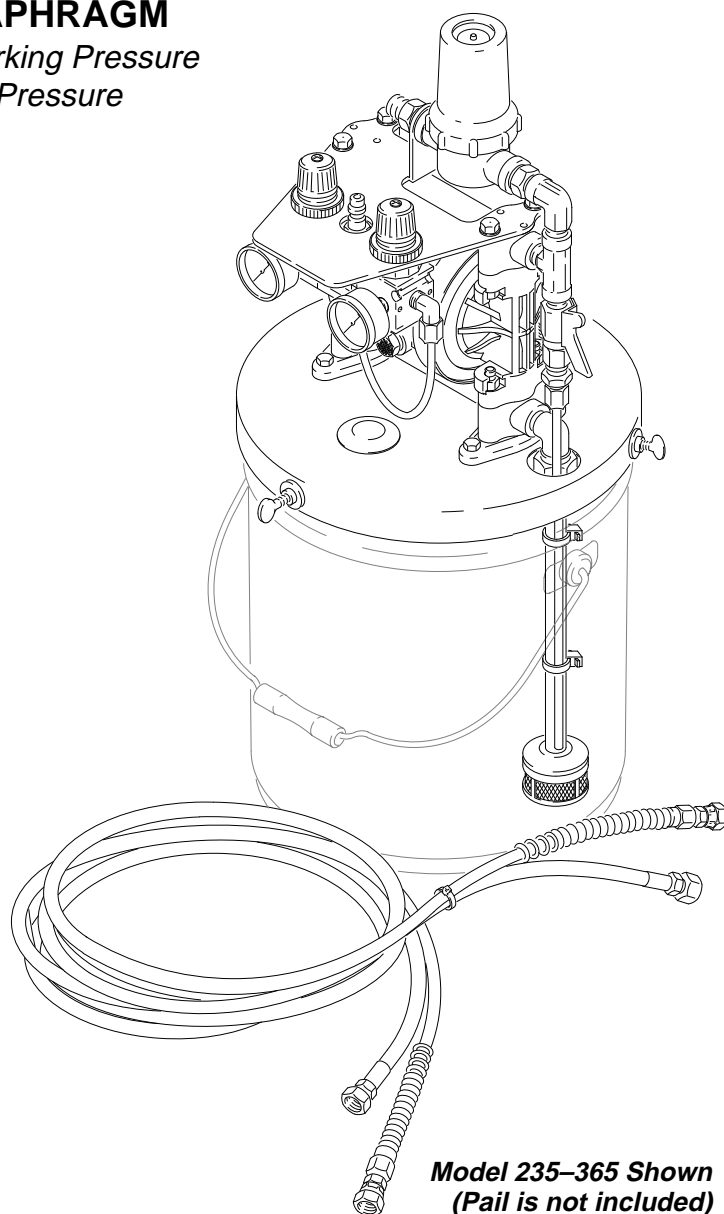
Bare Unit with Surge Tank and Hose Kit 236-410

Model 235-660, Series A

Includes Model 235-365 and Air Spray Gun

Model 235-659, Series B

Bare Unit with Fluid Regulator and Hose Kit 236-410



**Model 235-365 Shown
(Pail is not included)**

04962

GRACO INC. P.O. BOX 1441 MINNEAPOLIS, MN 55440-1441

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Table of Contents

Warnings	2
Installation	4
Operation	8
Parts	10
Dimensions	15
Technical Data	Back Cover
Warranty	Back Cover
Graco Toll-Free Phone Numbers	Back Cover

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 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 (0.7 MPa, 7 bar) maximum working pressure at 100 psi (0.7 MPa, 7 bar) maximum incoming air 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.
- 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



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.
- Pipe and dispose of the exhaust air safely, away from people, animals, and food handling areas. If the diaphragm fails, the fluid is exhausted along with the air. See **Air Exhaust Ventilation** in the separate pump manual 308–553.



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.

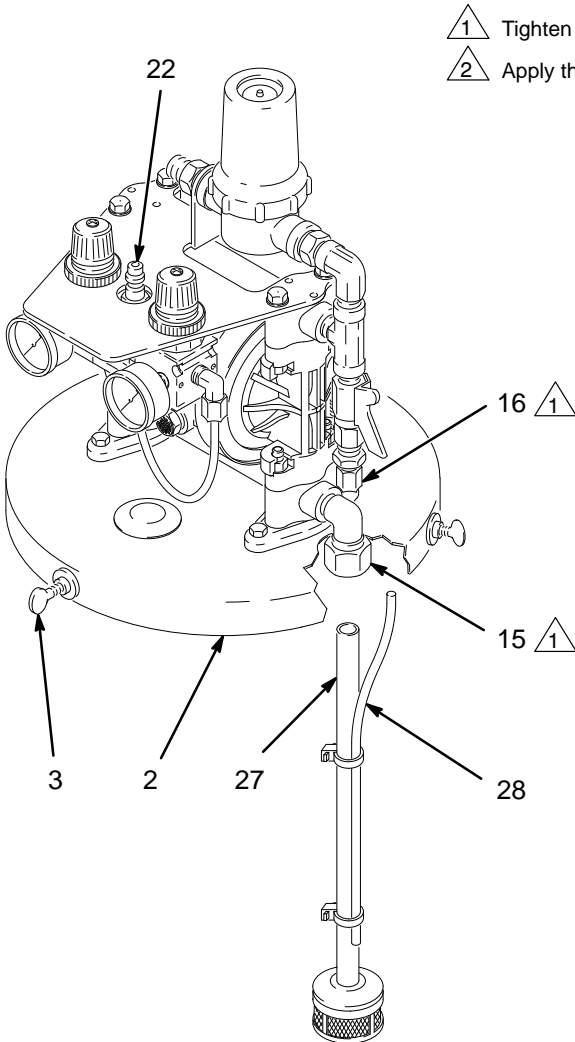
- Ground the equipment. Refer to **Grounding** on page 5.
- If there is any static sparking or you feel an electric shock while using this equipment, **stop pumping immediately**. Do not use the equipment until you identify and correct the problem.
- Provide fresh air ventilation to avoid the buildup of flammable fumes from solvents or the fluid being pumped.
- Pipe and dispose of the exhaust air safely, away from all sources of ignition. If the diaphragm fails, the fluid is exhausted along with the air. See **Air Exhaust Ventilation** in the separate pump manual 308–553.
- Keep the work area free of debris, including solvent, rags, and gasoline.
- Electrically disconnect all equipment in the work area.
- Extinguish all open flames or pilot lights in the work area.
- Do not smoke in the work area.
- Do not turn on or off any light switch in the work area while operating or if fumes are present.
- Do not operate a gasoline engine in the work area.

Installation

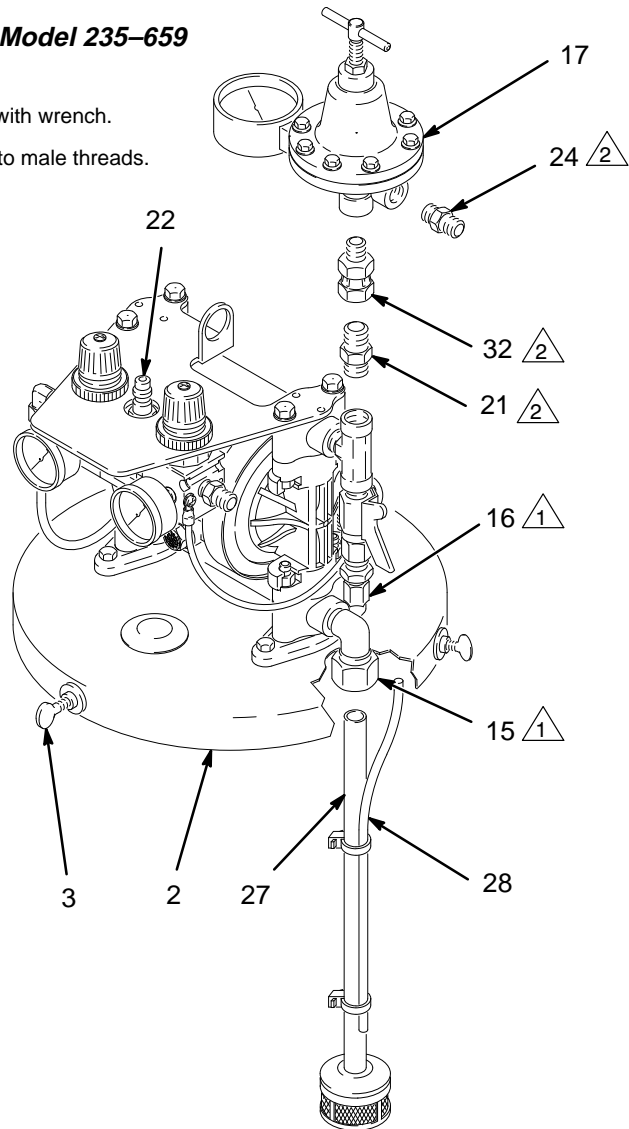
Assembling the Unit

1. Insert the suction tube (27) into the elbow (15) to its full depth. Tighten the nut securely. See Fig. 1.
2. Insert the recirculation tube (28) into the connector (16) to its full depth. Tighten the nut securely.
3. On Model 235-659, assemble the Fluid Regulator Kit (items 17, 21, 24 and 32) as shown in Fig. 1.
4. Attach the pail cover (2) to a pail of fluid, using the thumbscrews (3). Tighten securely.

**Models 236–871, 235–365,
and 235–660**



Model 235–659




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Fig. 1

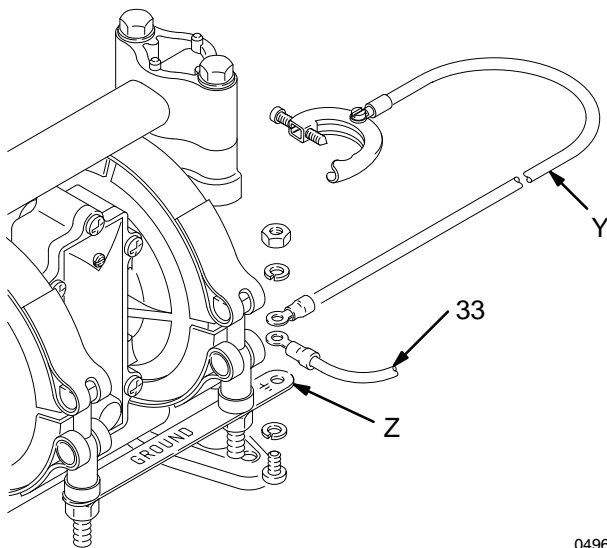
Installation

Grounding

⚠ WARNING	
	FIRE AND EXPLOSION HAZARD This pump must be grounded. Before operating the pump, ground the system as explained below. Also read the section FIRE OR EXPLOSION HAZARD on page 3.

To reduce the risk of static sparking, ground the pump and all other equipment used or located in the pumping area. Check your local electrical code for detailed grounding instructions for your area and type of equipment. **Ground all of this equipment.**

1. *Pump:* One end of the ground wire (Y) is connected to the pump grounding strip (Z). Connect the clamp end of the ground wire to a true earth ground.



04963

Fig. 2

2. *Air and fluid hoses:* Use only electrically conductive hoses.
3. *Spray gun:* The spray gun and the gun air hose are grounded with a ground wire (33) connected between the gun air regulator and the pump grounding strip (Z).
4. *Object being sprayed:* Follow your local code.
5. *Fluid supply container:* Follow your local code.
6. *Air compressor:* Follow the manufacturer's recommendations.
7. *Solvent pails used when flushing:* Follow your 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.

Installation

General Information

1. The Typical Installations shown on page 7 are only a guide for selecting and installing system components. Contact your Graco distributor or Graco Technical Assistance (see back page) for assistance in planning a system to suit your needs.
2. Always use Genuine Graco Parts and Accessories, available from your Graco distributor. Refer to the Product Data Sheet for the pump, Form No. 305–528. If you supply your own accessories, be sure they are adequately sized and pressure rated for your system.
3. Use a compatible, liquid thread sealant or Teflon® tape on all male threads. Tighten all connections firmly to avoid air or fluid leaks. **Do not over-tighten plastic threads.**
4. Reference numbers and letters in parentheses refer to the callouts in the Figures and the parts lists on pages 10–13.

WARNING



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.

1. Read **TOXIC FLUID HAZARD** on page 3.
2. 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.

Accessories

WARNING

A bleed-type master air valve (B) is required in your system to relieve air trapped between this valve and the pump. Trapped air can cause the pump to cycle unexpectedly, which could result in serious injury, including splashing in the eyes or on the skin, injury from moving parts, or contamination from hazardous fluids.

A fluid drain valve (J) is required in your system to relieve pressure in the hose if it is plugged. (The fluid recirculation valve supplied with your sprayer will serve this purpose.) The drain valve reduces the risk of serious injury, including splashing in the eyes or on the skin, or contamination from hazardous fluids when relieving pressure. Install the valve close to the pump's fluid outlet.

1. Install the air line accessories as shown in Fig. 3. Mount these accessories on the wall or on a bracket. Be sure the air line supplying the accessories is grounded.
 - a. Locate one bleed-type master air valve (B) close to the pump and use it to relieve trapped air. See the **WARNING** above. Locate the other master air valve (E) upstream from all air line accessories and use it to isolate them during cleaning and repair.
 - b. The air line filter (F) removes harmful dirt and moisture from the compressed air supply.
2. Install an electrically conductive, flexible air hose (C) between the accessories and the pump. Use a minimum 1/4" (6.3 mm) ID air hose. Screw an air line quick disconnect coupler (D) onto the end of the air hose (C). Do not connect the coupler (D) to the air inlet fitting (22, see Fig. 1) yet.

Hose Connections

1. Read the entire spray gun manual before connecting the hoses and operating the sprayer.
2. Connect a fluid hose (N) between the pump fluid outlet fitting and the fluid inlet of the spray gun (R). See Fig. 3.
3. Connect an electrically conductive air hose (P) between the outlet fitting of the gun air regulator (G) and the air inlet of the spray gun (R).

Installation

Air Spray Typical Installation – Models with Surge Tank

KEY

- A Husky 307 Pump
 - B Bleed-Type Master Air Valve (required for pump)
 - C Air Supply Line
 - D Air Line Quick Disconnect
 - E Master Air Valve (for accessories)
 - F Air Line Filter
 - G Gun Air Regulator
 - H Pump Air Regulator
 - J Fluid Drain Valve (required)
 - K Fluid Recirculation Line
 - L Fluid Suction Line
 - M Surge Tank and Filter
 - N Gun Fluid Supply Hose
 - P Gun Air Supply Hose
 - R Air Spray Gun
 - S Pail Cover
 - Y Ground Wire (included)
- See page 5 for grounding instructions.

NOTE: Some components shown are included with the sprayer, depending on the model. Refer to the parts lists on pages 10–13 for parts included in your sprayer.

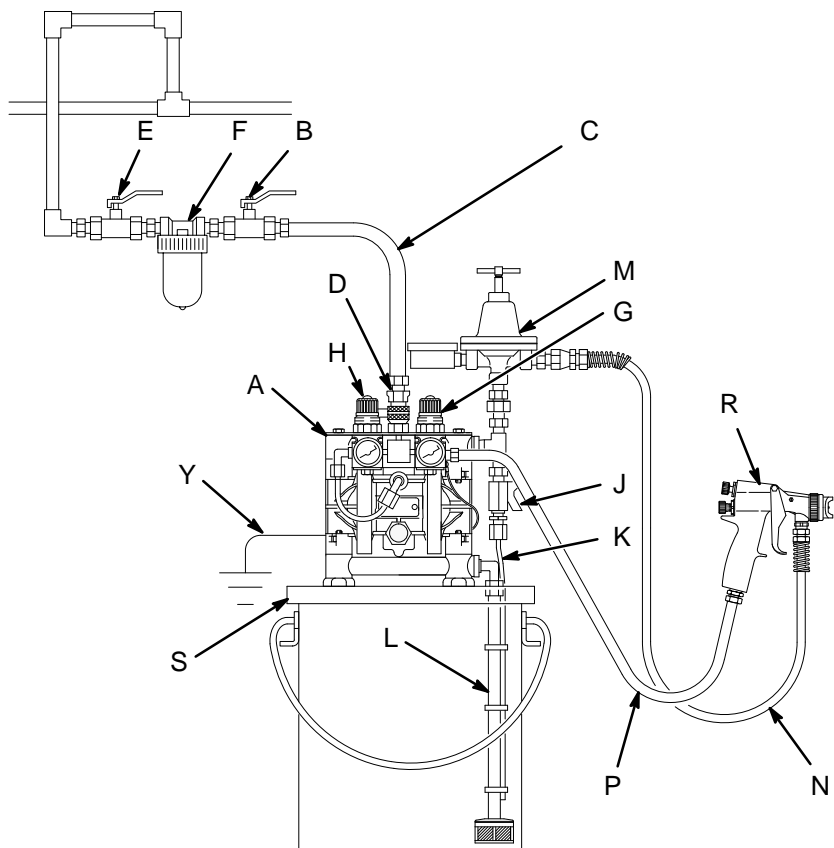
04967

HVLP Typical Installation – Models with Fluid Regulator

KEY

- A Husky 307 Pump
 - B Bleed-Type Master Air Valve (required for pump)
 - C Air Supply Line
 - D Air Line Quick Disconnect
 - E Master Air Valve (for accessories)
 - F Air Line Filter
 - G Gun Air Regulator
 - H Pump Air Regulator
 - J Fluid Drain Valve (required)
 - K Fluid Recirculation Line
 - L Fluid Suction Line
 - M Fluid Regulator and Gauge
 - N Gun Fluid Supply Hose
 - P Gun Air Supply Hose
 - R Optimiser HVLP Spray Gun
 - S Pail Cover
 - Y Ground Wire (included)
- See page 5 for grounding instructions.

NOTE: Some components shown are included with the sprayer, depending on the model. Refer to the parts lists on pages 10–13 for parts included in your sprayer.



04966

Fig. 3

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 tips.

1. Shut off the air to the pump.
2. Trigger the spray gun.
3. Open the fluid drain valve to relieve all fluid pressure, having a container ready to catch the drainage.

Flush the Pump Before First Use

The pump was tested in water. If the water could contaminate the fluid you are pumping, flush the pump thoroughly with a compatible solvent. Follow the steps under **Starting and Adjusting the Pump**.

Starting and Adjusting the Pump

WARNING



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. Do not lift a pump under pressure. If dropped, the fluid section may rupture. Always follow the **Pressure Relief Procedure** above before lifting the pump.

1. Be sure the pump is properly grounded. Read **FIRE OR EXPLOSION HAZARD** on page 3.
2. Check all fittings to be sure they are tight. Be sure to use a compatible liquid thread sealant or Teflon® tape on all male threads. Tighten the fluid inlet and outlet fittings snugly. Do not overtighten the fittings into the pump.
3. Place the suction tube in a pail of fluid and attach the pail cover using the thumbscrews. Tighten securely.
4. Make sure the air regulators (G and H) and bleed valves (B and E) are closed. Open the fluid drain valve (J).
5. Connect the air line coupler (D) to the air inlet fitting.
6. With the gun air regulator (G) closed, open the bleed-type master air valves (B, E) and the pump air regulator (H).
7. Allow the pump to cycle slowly until all air is pushed out of the recirculation line and the pump is primed.
8. Point the spray gun (R) into a grounded metal pail, holding a metal part of the gun firmly to the side of the pail.
9. Trigger the air spray gun. Open the gun air regulator (G) and close the fluid drain valve (J). Allow the pump to cycle slowly until all air is pushed out of the fluid hose and gun.

If you are flushing, run the pump long enough to thoroughly clean the pump and hoses. Close the air regulator. Remove the suction tube from the solvent and place it in the fluid to be pumped.

Operation

Pump Shutdown

WARNING

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

At the end of the work shift, **relieve the pressure**.

Flushing and Storage

WARNING

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

Flush the pump when necessary to prevent the fluid you are pumping from drying or freezing in the pump and damaging it. Use a compatible solvent.

Before storing the pump, always flush the pump and **relieve the pressure**.

Recirculation Line

The recirculation tube (K) drains unused fluid back into the fluid container, ensuring an even flow at the gun. Recirculation also provides gentle fluid agitation. To recirculate fluid, open the drain valve (J) while you are spraying. To stop recirculation, close the valve.

Surge Tank (Models 236–871, 235-365, and 235-660)

WARNING

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

The surge tank filter screen may require periodic cleaning. First, **relieve the pressure**. Unscrew the surge tank cover from its base and remove the filter screen. Clean the screen with a compatible solvent and reinstall it in the surge tank.

An optional Viton® gasket is supplied for the surge tank, for use in applications where the standard EPDM gasket is unsuitable.

Parts

Model 236–871, Series A

Includes items 1–35

Model 235–365, Series A

Includes items 1–35, 38–41

Model 235–660, Series A

Includes items 1–41

Ref No.	Part No.	Description	Qty	Ref No.	Part No.	Description	Qty
1	D31–331	PUMP, Husky 307; Acetal/Teflon®; See 308–553 for parts	1	22	169–971	FITTING, air line; 3/8 npt(m)	1
2	235–506	COVER, pail; carbon steel	1	23	188–077	NIPPLE; 1/4–18 npt x 1/4–18.6 sf; cst	1
3	100–220	THUMBSCREW; 5/16–18 unc; 1" (25.4 mm) long; cst	3	24	188–091	NIPPLE; 1/2 npt x 3/8–18.6 sf; cst	1
4	104–119	SCREW, cap, hex hd; 1/4–20 unc–2a; 0.875" (22 mm) long; sst	4	25	188–093	BRACKET, air regulator	1
5	104–123	LOCKWASHER; 1/4" size; sst	4	26	188–107	TUBE, inlet, air; nylon; 0.25" (6.3 mm) OD; 0.170" (4.3 mm) ID; 7.5" (191 mm) long	1
6	102–025	NUT, hex; 1/4–20; sst	4	27	188–108	TUBE, suction; nylon; 0.625" (16 mm) OD x 0.5" (13 mm) ID; 12.13" (308 mm) long	1
7	101–754	PLUG, pipe; 3/8 npt	1	28	188–115	TUBE, recirculation, fluid; nylon; 0.25" (6.3 mm) OD; 0.170" (4.3 mm) ID; 19" (483 mm) long	1
8	103–473	TIE, recirculation tube	3	29	181–163	HOUSING, filter, inlet; nylon	1
9	222–011	GROUND WIRE; 12 gauge (1.5 mm ²), 25 ft (7.6 m); with clamp	1	30	181–164	FILTER, inlet; nylon	1
10	108–190	GAUGE, air pressure; 0–100 psi (0–7 bar)	2	31▲	189–220	LABEL, warning	1
11	110–209	NUT, regulator	2	33	223–324	GROUND WIRE; 12" (300 mm); from gun air regulator to pump	1
12	111–804	REGULATOR, air; 0–125 psi (0–8.5 bar) pressure range	2	34	108–290	SCREW, machine; 8–32 x 1/4" (6.3 mm)	1
13	111–805	BLOCK, diverter Includes item 13a	1	35	111–813	PLUG, button	1
13a	108–284	. O-RING; buna-N	3	36	217–731	GUN, air spray; cst; <i>Model 235–660 only;</i> see Manual 307–379 for parts	1
14	111–807	ELBOW, tube fitting, 90°; acetal; 1/4 npt(m) x ferrule nut for 0.25" (6.3 mm) OD tube	2	37	106–700	AIR CAP <i>Model 235–660 only</i>	1
15	111–808	ELBOW, tube fitting, 90°; acetal; 3/8 npt(m) x ferrule nut for 0.625" (16 mm) OD tube	1	38	236–410	HOSE KIT <i>Models 235–365 and 235–660 only</i> Includes items 39–41	1
16	111–811	CONNECTOR, tube fitting; acetal; 3/8 npt(m) x ferrule nut for 0.25" (6.3 mm) OD tube	1	39	235–339	. HOSE, fluid; nylon; sst fittings; 3/8 npsm (fbe); 1/4" (6.3 mm) ID; 26 ft (7.9 m) long	1
17	111–793	TANK, surge; 1/2 npt(f); nylon Includes items 17a and 17b	1	40	210–867	. HOSE, air; buna-N; cst fittings 1/4 npsm (fbe); 5/16" (7.9 mm) ID; 25 ft (7.6 m) long	1
17a	111–884	. SCREEN, 20 mesh; sst	1	41	102–478	. TIE, hose	13
17b	112–035	. GASKET; EPDM (standard part)	1	▲ Replacement Danger and Warning labels, tags and cards are available at no cost.			
	111–885	. GASKET; Viton®; (alternative to EPDM; shipped loose)	1				
18	208–391	VALVE, ball; 3/8 npt (m x f); cst	1	Use only GENUINE GRACO PARTS AND ACCESSORIES.			
19	111–855	TEE; 3/8 npt(f) run x 3/8 npt(m) branch; cst	1				
20	111–856	ELBOW, street; 3/8 npt (m x f); cst	1				
21	159–239	NIPPLE; 1/2 npt x 3/8 npt; cst	1				

Parts

Model 236-871, Series A

Includes items 1–35

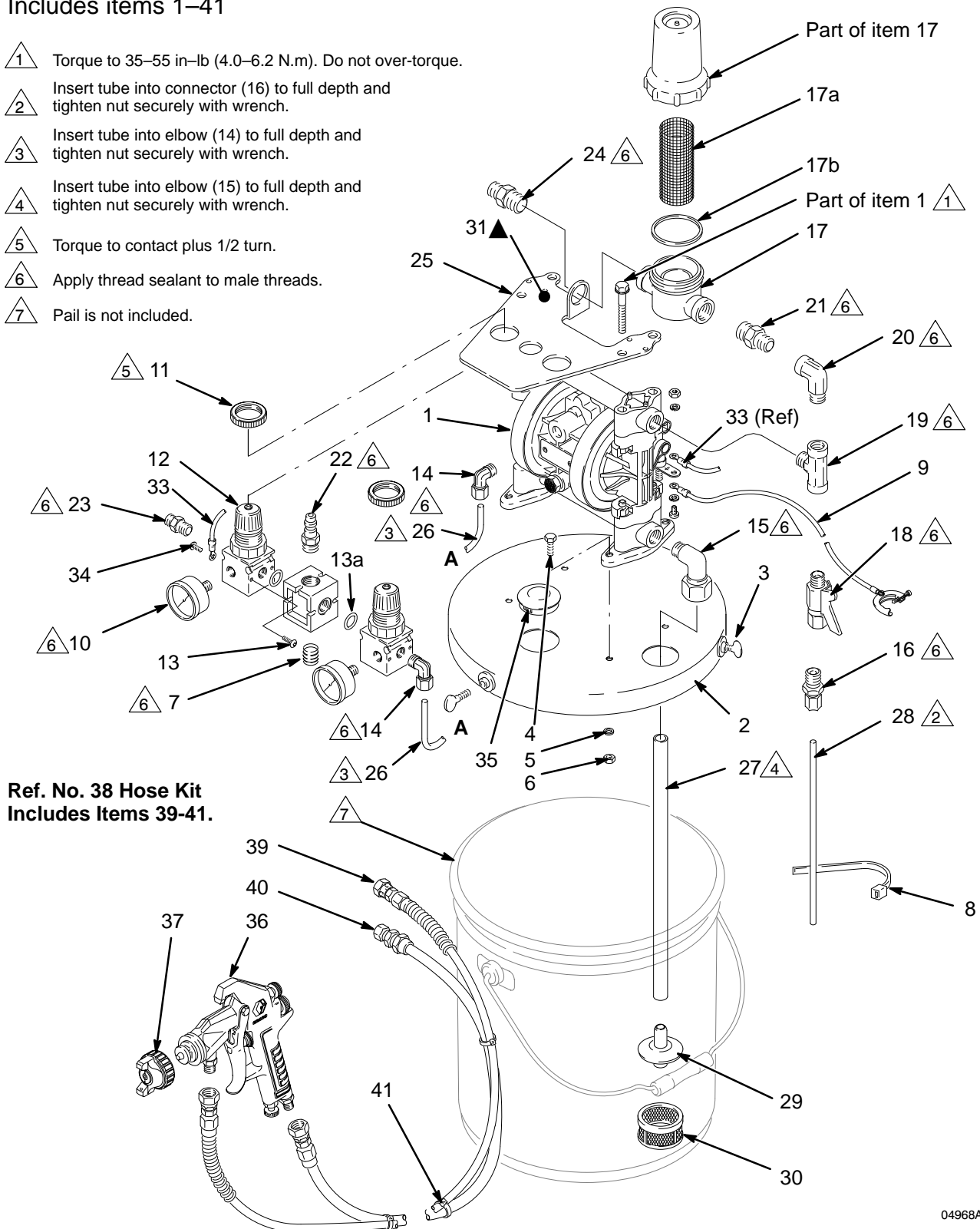
Model 235–365, Series A

Includes items 1–35, 38–41

Model 235–660, Series A

Includes items 1–41

- 1 Torque to 35–55 in-lb (4.0–6.2 N.m). Do not over-torque.
- 2 Insert tube into connector (16) to full depth and tighten nut securely with wrench.
- 3 Insert tube into elbow (14) to full depth and tighten nut securely with wrench.
- 4 Insert tube into elbow (15) to full depth and tighten nut securely with wrench.
- 5 Torque to contact plus 1/2 turn.
- 6 Apply thread sealant to male threads.
- 7 **Fail is not included.**



04968A

Parts

Model 235–659, Series B

Includes items 1–41

Ref No.	Part No.	Description	Qty	Ref No.	Part No.	Description	Qty
1	D31–331	PUMP, Husky 307; SST/Teflon®; See 308–553 for parts	1	23	188–077	NIPPLE; 1/4-18 npt x 1/4–18.6 sf; cst	1
2	235–506	COVER, pail; carbon steel	1	24†	189–436	NIPPLE; 1/4-18 npt x 3/8–18.6 sf; sst	1
3	100–220	THUMBSCREW; 5/16–18 unc; 1" (25.4 mm) long; cst	3	25	188–093	BRACKET, air regulator	1
4	104–119	SCREW, cap, hex hd; 1/4–20 unc–2a; 0.875" (22 mm) long; sst	4	26	188–107	TUBE, inlet, air; nylon; 0.25" (6.3 mm) OD; 0.170" (4.3 mm) ID; 7.5" (191 mm) long	1
5	104–123	LOCKWASHER; 1/4" size; sst	4	27	188–108	TUBE, suction; nylon; 0.625" (16 mm) OD x 0.5" (13 mm) ID; 12.13" (308 mm) long	1
6	102–025	NUT, hex; 1/4–20; sst	4	28	188–115	TUBE, recirculation, fluid; nylon; 0.25" (6.3 mm) OD; 0.170" (4.3 mm) ID; 19" (483 mm) long	1
7	101–754	PLUG, pipe; 3/8 npt	1	29	181–163	HOUSING, filter, inlet; nylon	1
8	103–473	TIE, recirculation tube	3	30	181–164	FILTER, inlet; nylon	1
9	222–011	GROUND WIRE; 12 gauge (1.5 mm ²), 25 ft (7.6 m); with clamp	1	31▲	189–220	LABEL, warning	1
10	108–190	GAUGE, air pressure; 0–100 psi (0–7 bar)	2	32†	112–497	SWIVEL, union; 1/4-18 npt x 3/8–18 npsm	1
11	110–209	NUT, regulator	2	33	223–324	GROUND WIRE; 12" (300 mm); from gun air regulator to pump	1
12	111–804	REGULATOR, air; 0–125 psi (0–8.5 bar) pressure range	2	34	108–290	SCREW, machine; 8–32 x 1/4" (6.3 mm)	1
13	111–805	BLOCK, diverter Includes item 13a	1	35	111–813	PLUG, button	1
13a	108–284	. O-RING; buna-N	3	38	236–410	HOSE KIT Includes items 39–41	1
14	111–807	ELBOW, tube fitting, 90°; acetal; 1/4 npt(m) x ferrule nut for 0.25" (6.3 mm) OD tube	2	39	235–339	. HOSE, fluid; nylon; sst fittings; 3/8 npsm (fbe); 1/4" (6.3 mm) ID; 26 ft (7.9 m) long	1
15	111–808	ELBOW, tube fitting, 90°; acetal; 3/8 npt(m) x ferrule nut for 0.625" (16 mm) OD tube	1	40	210–867	. HOSE, air; buna-N; cst fittings; 1/4 npsm (fbe); 5/16" (7.9 mm) ID; 25 ft (7.6 m) long	1
16	111–811	CONNECTOR, tube fitting; acetal; 3/8 npt(m) x ferrule nut for 0.25" (6.3 mm) OD tube	1	41	102–478	. TIE, hose	13
17†	236–449	REGULATOR, fluid; acetal; 3–30 psi (0.2–2.1 bar) pressure range See manual 308–325	1	† These parts are included in Fluid Regulator Kit 235–344.			
18	208–391	VALVE, ball; 3/8 npt (m x f); cst	1	▲ Replacement Danger and Warning labels, tags and cards are available at no cost.			
19	111–855	TEE; 3/8 npt(f) run x 3/8 npt(m) branch; cst	1	Use only GENUINE GRACO PARTS AND ACCESSORIES.			
21†	188–089	NIPPLE; 3/8 npt x 3/8–18.6 sf; sst	1				
22	169–971	FITTING, air line; 3/8 npt(m)	1				

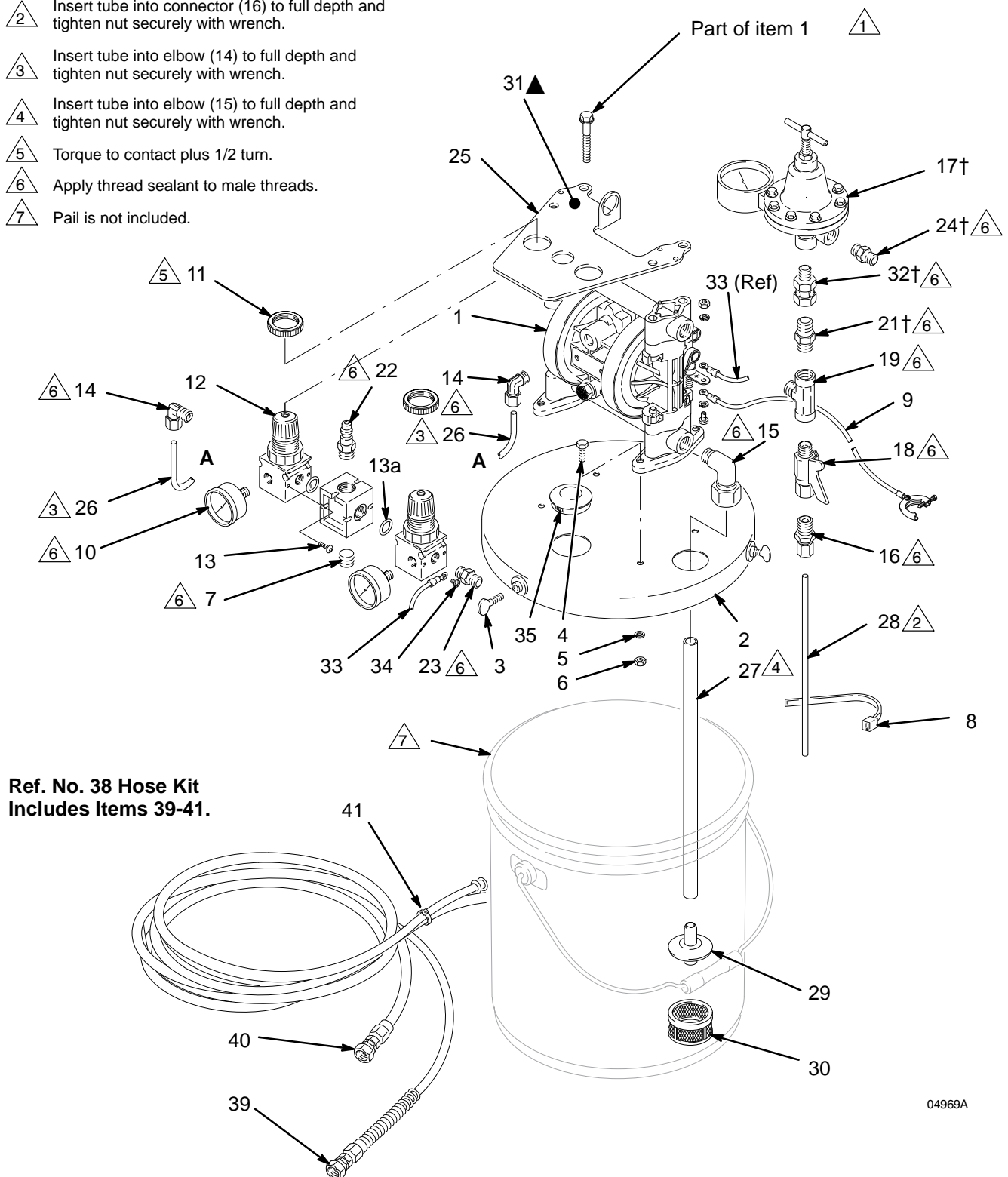
Parts

Model 235-659, Series B

Includes items 1–41

† These parts are included in Fluid Regulator Kit 235–344.

- 1 Torque to 35–55 in-lb (4.0–6.2 N.m). Do not over-torque.
- 2 Insert tube into connector (16) to full depth and tighten nut securely with wrench.
- 3 Insert tube into elbow (14) to full depth and tighten nut securely with wrench.
- 4 Insert tube into elbow (15) to full depth and tighten nut securely with wrench.
- 5 Torque to contact plus 1/2 turn.
- 6 Apply thread sealant to male threads.
- 7 Pail is not included.

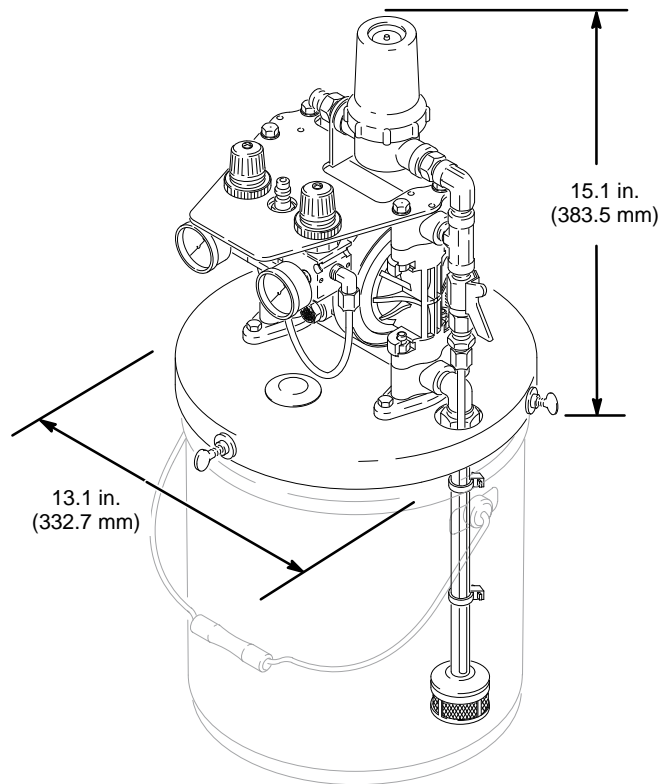


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Dimensions

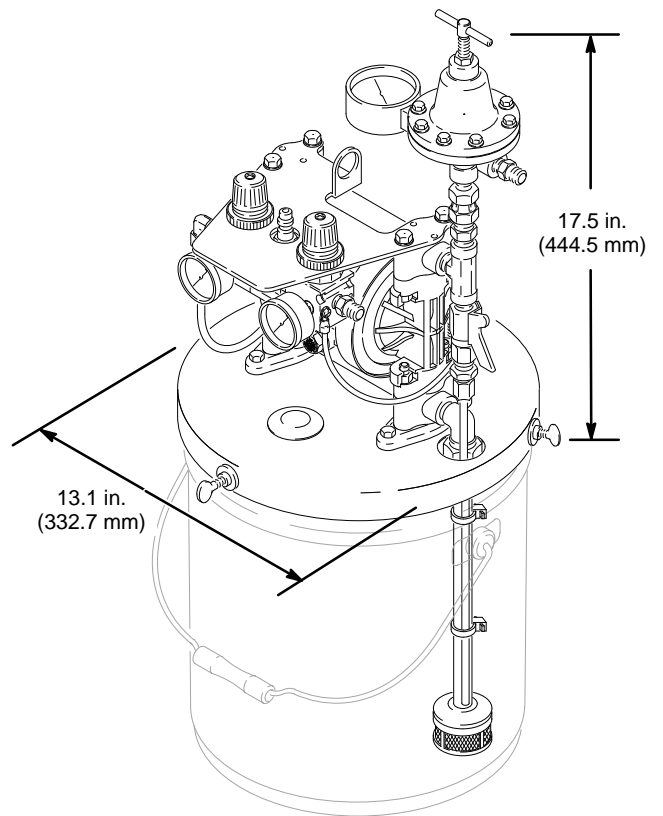
**Models 236–871, 235-365,
and 235-660**



Pail is not included.
Maximum pail outer diameter is 12.125 in. (308 mm).

04970

Model 235-659



Pail is not included.
Maximum pail outer diameter is 12.125 in. (308 mm).

04971

Manual Change Summary

- PCN J has been included in this manual.

Technical Data

Wetted Parts

<i>Pump</i>	See 308–553
<i>Pail Cover</i>	carbon steel
<i>Spray Gun (Model 235–660)</i>	See 307–379
<i>Fluid Hoses</i>	nylon
<i>Hose Couplings</i>	
236–871, 235–365, 235–660	carbon steel
235–659	stainless steel
<i>Surge Tank</i>	nylon, EPDM or Viton®, stainless steel
<i>Fluid Regulator</i>	See 308–325
<i>Fittings</i>	
236–871, 235–365, 235–660	acetal, carbon steel
235–659	acetal, stainless steel
<i>Tubing</i>	nylon

Maximum Fluid Working Pressure	100 psi (0.7 MPa, 7 bar)
Air Pressure Operating Range	15–100 psi (0.1–0.7 MPa, 1–7 bar)
Pump Air Inlet Size	1/4 npt(f)
Pump Fluid Inlet and Outlet Size	3/8 npt(f)
* Sound Data	
Pump sound level at 100 psi (7 bar), full flow	85 dB(A)
Pump sound level at 70 psi (4.8 bar),	
1 gpm (3.8 lpm)	78 dB(A)
Operating Temperature Range	40° to 150°F (4.4° to 65.5°C)
* Tested to CAGI-PNEUROP–1969	
<i>Teflon® and Viton® are registered trademarks of the Du Pont Co.</i>	

The Graco Warranty and Disclaimers

Graco warrants all equipment listed in this manual which is 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.

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, gas engines, 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

The parties acknowledge that they have required that the present document, as well as all documents, notices and legal proceedings entered into, given or instituted pursuant hereto or relating directly or indirectly hereto, be drawn up in English. Les parties reconnaissent avoir convenu que la rédaction du présent document sera en Anglais, ainsi que tous documents, avis et procédures judiciaires exécutés, donnés ou intentés à la suite de ou en rapport, directement ou indirectement, avec les procédures concernées.

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

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