# INSTRUCTIONS-PARTS LIST



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



Rev. C Supersedes B

308 - 448

## HUSKY<sup>™</sup> 307, CART MOUNT, G700N AIR SPRAY GUN Heated Air Spray Package

See the Data Sheet, 305-667, for application information.

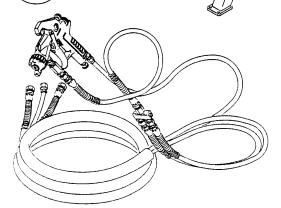
100 psi (6.9 bar) Maximum Fluid Working Pressure 100 psi (6.9 bar) Maximum Air Input Pressure

### Model 237-410, Series A

This complete package includes a pump, G700N air spray gun with 0.055 in. (1.4 mm) fluid nozzle, cart, heater, 25-foot (7.6 m) air and fluid hoses, air and fluid controls, and fluid feed.

### IMPORTANT

This manual provides the basic safety, installation, and operation information for the spray system. For your safety, also read the component manuals supplied with this system before you operate it.





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## 3X8-448

Rev. F Supersedes Rev. C Includes Rev. D and E changes

## **Parts Change Notice**

Some parts in Rev. C of manual 308–448 have changed but have not yet been changed in the instruction manual. Please note the changes below and mark them in your manual or keep this sheet with your manual.

Assembly No.	Series Letter Change	Part That Changed	Ref No.	Part Description	Description of Change
Model 237–410	-	235–230	1	Husky 307 Pump	Replaced by Part No. D31–331 Husky 307 Pump, acetal with PTFE dia- phragm and sst balls and seats. See manual 308–553 for parts.
		217–752	2	G700N Air Spray Gun	Replaced by Part No. 239–542 Delta Air Spray Gun, .055" orifice. See manual 308–742.
		224–044	17	Cart	Replaced by Part No. 238–938 Cart, which includes replaceable items 17a through 17j, listed below.
			17a	Front Bracket	Part No. 191–902. Qty: 1.
			17b	Capscrew	Part No. 108–768. Qty: 2.
			17c	Flat Washer	Part No. 108–788. Qty: 2.
			17d	Keps Nut	Part No. 113–761. Qty: 2.
			17e	Warning Label	Part No. 290–331. Qty: 1.
			17f	Wheel	Part No. 106–062. Qty: 2.
			17g	Hub	Part No. 104–811. Qty: 2.
			17h	Retaining Ring	Part No. 101–242. Qty: 2.
			17j	Tube Plug	Part No. 112-853. Qty: 2.
		100–021	36	Capscrew	Change quantity to 4.
		100–015	37	Nut	Change quantity to 4.
		100–016	38	Lockwasher	Change quantity to 4.
		208–536	42	Quick Disconnect	Change to Part No. 114–558.
		169–797	56	Nipple	Replaced by Part No. 191–872 Nipple, 1/4 npsm x 1/8 npt.
		Added	67	Swivel	Add Part No. 157–705 Swivel, 1/4 npt(m) x 3/8 npsm(f), located between the fluid whip hose and the gun fluid inlet. Qty: 1.



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.



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# Symbols

### Warning Symbol

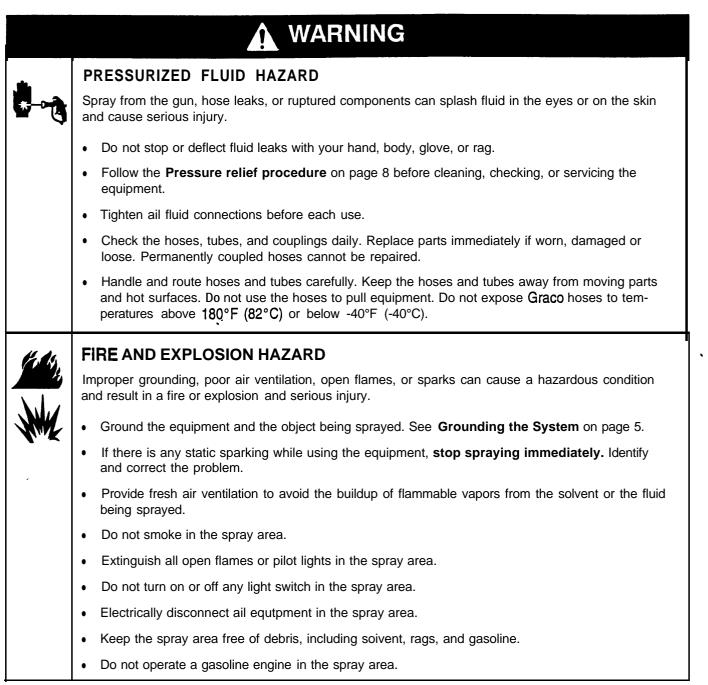
## WARNING

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

### **Caution Symbol**

A CAUTION

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



WARNING
EQUIPMENT MISUSE HAZARD
Equipment misuse can cause the equipment to rupture, malfunction, or start unexpectedly and result in serious injury.
This equipment is for professional use only.
• Read all instruction manuals, tags, and labels before operating the equipment.
<ul> <li>Use the equipment only for its intended purpose. If you are in doubt about this, call your Graco distributor.</li> </ul>
<ul> <li>Do not alter or modify this equipment. Use only genuine Graco parts and accessories.</li> </ul>
Check equipment daily. Repair or replace worn or damaged parts immediately.
<ul> <li>Do not exceed the 100 psi (6.9 bar) maximum working pressure at 100 psi (6.9 bar) maximum incoming air pressure of the package or the maximum working pressure of any accessory used with it.</li> </ul>
• Do not move or lift pressurized equipment.
• Use fluids or solvents that are compatible with equipment wetted parts. See the Technical Data section of all equipment manuals. Read the fluid and solvent manufacturer's warnings.
<ul> <li>Fluid hoses must have spring guards on both ends to protect them from rupture caused by kinks or bends at or close to the couplings.</li> </ul>
• Comply with all applicable local, state, and national fire, electrical, and other safety regulations.
TOXIC FLUID HAZARD
Improper handling of hazardous fluids or inhaling toxic fumes can cause extremely serious injury or death from splashing in the eyes, ingestion, or bodily contamination.
Know the specific hazards of the fluid you are using.
<ul> <li>Store hazardous fluid in an approved container. Dispose hazardous fluid according to all local, state, and-national guidelines.</li> </ul>
• Wear appropriate clothing, gloves, eyewear, and respirator.
• If the pump diaphragm fails, hazardous fluid may be exhausted along with the air. See your sepa- rate pump manual for further information.



# Setup

## A CAUTION

This equipment is compatible with most water based materials. See the wetted parts in the **Technical Data** section and your fluid and solvent manufacturer's compatibility information.

Do not use catalyzed materials in heated applications.

### I. Preparing the Operator

All persons who operate the system should be trained in the safe, efficient operation of all system components as well as the proper handling of the chemical coating. At a minimum, all operators should thoroughly read the safety, installation, and operation sections of this manual and the component manuals.

### II. Preparing the Site

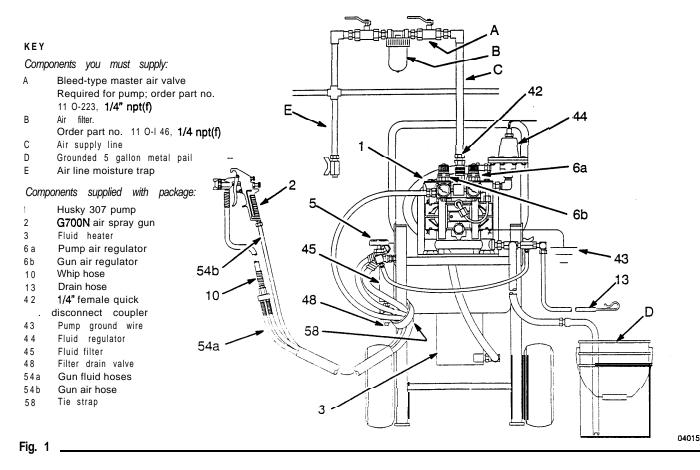
1. Use at least a 5 HP (3.7 Kw) air compressor for efficient operation.

- 2. Clear obstacles and debris that could cause an unsafe operating environment.
- 3. Bring an air line from your compressed air supply to the pump location. Be sure the air is dry and filtered. Install a bleed-type master air valve upstream from the pump. When it is closed and the pump air regulator (6a) is opened, the bleedtype master air valve relieves all air pressure to the system components.
- 4. Ventilate the spray booth.

## WARNING

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.





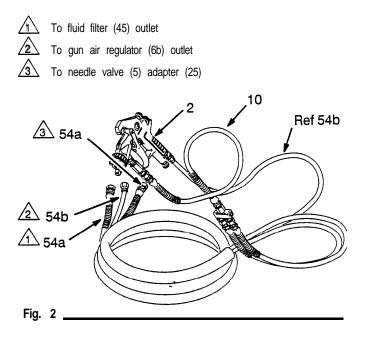
## Setup

### III. Unpacking the System

In addition to the assembled unit, these components are packed loosely or separately: suction assembly, hose set, gun, instruction manuals. These are the manuals you should receive:

308-I 94	Husky 307 pump
307-452	Air spray gun
308-325	Fluid regulator
307-805	Fluid heater
307-273	Fluid filter

# IV. Connecting the Hose Set and Gun to the System See Fig. 1.



- Connect the air hose (54b) between the gun air regulator (6b) and the air inlet of the spray gun (2). This is a 1/4–18 swivel fitting.
- Connect one fluid hose (54b) to the fluid filter (45) outlet. Connect the other fluid hose (54b) to the needle valve (5) adapter (25). The hose has a 1/4–18 swivel fitting.

- 3. Connect the whip hose (10) to the fluid inlet of the spray gun (2).
- 4. Verify that all fittings throughout the system are tightened securely.
- 5. Use a tie strap (58) to secure the hose set to the leg of the cart. This provides strain relief so that tugs on the heavy hoses don't damage the hose connections.

### V. Grounding the System

## **WARNING**

To reduce the risk of static sparking, ground the pump and all other equipment used or located in the spray area. Check your local electrical code for detailed grounding instructions for your area and type of equipment. Ground *all* of *this equipment*. Also read **FIRE OR EXPLOSION HAZARD** on page 2.

- 1. *Pump:* One end of the ground wire (43) is already connected to the pump grounding strip. Connect the clamp end of the ground wire to a true earth ground.
- 2. *Heater:* Plug into a properly grounded electrical outlet. If you use an extension cord, be sure it is a 3-wire grounded cord that is properly sized for the heater.
- 3. *Air compressor.* Follow manufacturer's recommendations.
- 4. Object being *sprayed:* Follow local code.
- 5. Fluid supply container: Follow local code.
- 6. *All solvent pails:* Follow 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.

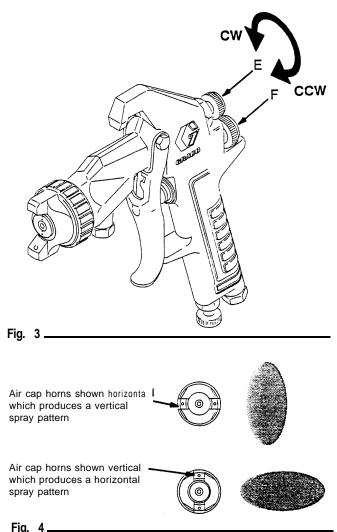


# System Component Information

VI. Using the G700N Air Spray Gun

Refer to Fig. 3.

- 1. Make initial fluid and air adjustments at the pump for maximum efficiency.
- If you make adjustments at the gun, take noted of what you do. Then, if the results are not satisfactory, you can easily return the gun to its previous adjustment. Steps 3 and 4 explain the gun adjustments.
- Fan pattern adjusting valve (E). Normal adjustment is the valve turned out fully clockwise and then turned IN two full turns.
  - a. Turn *counterclockwise* to widen spray pattern.
  - b. Turn clockwise to narrow spray pattern.
- Fluid adjusting valve (F). This valve is used in systems that do not have a fluid regulator. For this system, use the fluid regulator to adjust fluid flow.
- 5. The gun has a built-in lead and lag operation. When triggered, the gun emits air before the fluid is discharged. When the trigger is released, the fluid stops before the air flow stops. This helps assure the spray is atomized and prevents fluid buildup on the air cap.
- 6. Loosen the air cap retaining ring (G), and rotate the horns of the air cap to obtain the desired spray position. Tighten the retaining ring snugly, but do not over-tighten. See Fig. 4 for how to obtain a vertical or horizontal spray pattern.
- 7. Clean and lubricate the gun as instructed in the separate gun manual, 307-452.



### VII. Using the Fluid Heater

See Fig. 6.

The heater (3) used in this system is a high mass heater. Always circulate the fluid when the heater is operating to prevent overheating and damaging the fluid. Do not use catalyzed material in this heater.

## System Component Information

### VIII. Using the Air Regulators and Needle Valve See Fig. 5.

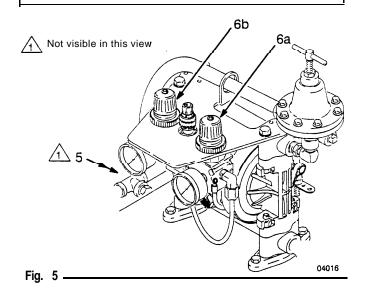
1. Always open air and fluid regulators slowly to prevent surging during startup.

The air regulator (6a) on the right side of the pump controls air to the pump, and the regulator (6b) on the left side controls air to the gun.

- To open the air regulator, pull out the adjusting knob. Turn the knob IN (clockwise) to open, and turn the knob fully OUT (counterclockwise) to close. You may push the adjusting knob in to lock the adjustment.
- 3. The fluid regulator (44) controls fluid from the pump to the gun. For an accurate setting, adjust the fluid regulator only when the gun is triggered, and fluid is flowing through the regulator. Be sure the jam nut (H) under the T-handle does not interfere with your adjustments. Tighten the jam nut to lock in the setting, if desired.
- 4. To open the fluid regulator, which allows fluid to flow, turn the T-handle IN (clockwise).
- 5. The needle valve (5), located on the fluid return side of the circulating system, acts as a flow control. Use it to balance the pressure of the circulating fluid so that the pump circulates a sufficient volume of fluid without running too fast or too slow. Trigger the gun while adjusting the needle valve. Turn the needle valve handle IN (clockwise) to restrict fluid and slow down the pump. Turn the needle valve handle OUT (counterclockwise) to allow more flow, which. speeds up the pump.

## A CAUTION

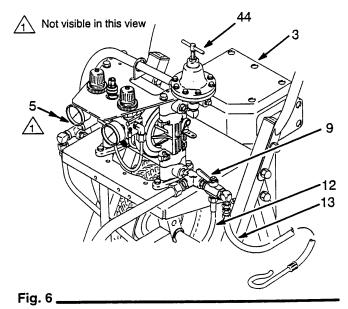
Never close the needle valve completely. Doing so prevents circulation, which can cause the fluid to overheat, damaging the fluid and the heater.



### IX. Using the 3-Way Valve See Fig. 6.

Heated systems require that the fluid circulate constantly when the heater is turned on. The 3-way valve (9) supplied with this system enables you to drain or circulate the fluid. The words **Drain** and **Circulate** are marked on the valve.

- In the Drain position, and with the gun untriggered, the fluid returns from the gun, to the needle valve (5), to the hose (12), and to the 3-way valve, which directs the fluid out the drain hose (13). This position is used when flushing the system and when relieving system pressure.
- 2 In the **Circulate** position, with the gun untriggered, fluid returns from the gun, to the needle valve (5), to the hose (12), and to the 3-way valve, which directs the fluid back into the pump intake. This position is used during normal operation, and it helps keep the fluid at a constant temperature.



HO03

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# Operation

### I. Pressure Relief Procedure

#### 

The system remains pressurized until pressure is manually relieved. To reduce the risk of serious injury from pressurized fluid, accidental spray from the gun, or splashing of any fluid, follow this procedure whenever you

- Are instructed to relieve pressure
- Stop spraying
- Check or service any system equipment
- Install, clean, or change spray nozzles
- 1. Be sure the pump air regulator (6a) is still open. Close the master air valve (A) to relieve pump air pressure.
- 2. Close both air regulators (6a,6b).
- 3. Turn the 3-way valve (9) to Drain.
- 4. Trigger the spray gun into a waste pail to relieve fluid pressure.
- 5. Turn off and unplug the heater (3).

### II. Flush the Pump Before First Use

Flush with a solvent compatible to your fluid. Consult the fluid manufacturer's literature for recommendations. See **Flushing** on page IO.

### III. Priming the System

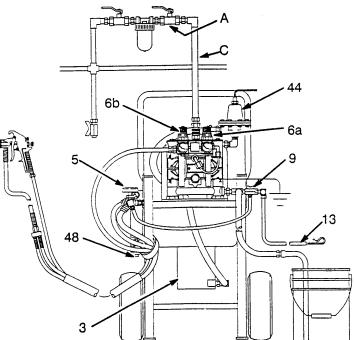
See Fig. 7.

1. Put the suction tube (15) in the prepared fluid.

#### KEY

- A Bleed-type master air valve
- C Air line
- 3 fluid heater
- 6 a Pump air regulator
- 6 b Gun air regulator 9 3-way valve
- 13 Drain hose
- 44' Fluid regulator
- 48 Filter drain valve

- 2. Hook the drain hose (13) on the waste pail.
- 3. Close the filter drain valve (48).
- 4. Turn the 3-way valve (9) to Drain.
- 5. Open the fluid pressure regulator (44) (fully clockwise).
- 6. Turn the needle valve (5) ail the way out (counterclockwise)
- 7. Close the gun and pump air regulators (6a,6b) (full counterclockwise).
- 8. Connect the air line (C) to the pump.
- 9. Open the master air valves (A).
- 10. Slowly raise the pump air regulator (6a) pressure to 20 to 30 psi (1.4 to 2.1 bar). The pump will cycle quickly until is it primed. When it is primed, the pump will stall against pressure. Now set the pump air pressure to 40 psi (2.8 bar). When fluid flows from the drain hose, turn the 3-way valve to **Circulate**.
- 11. Hold the gun against and aimed into a grounded metal waste pail. Trigger the gun, and slowly open the fluid regulator (44). The gun will emit air until the fluid arrives. When fluid flows freely, release the gun trigger.



## Operation

- 12. Adjust the needle valve to set the pump cycle rate at 1 stroke every 15 seconds.
- 13. Turn the heater dial to 3. Whenever the heater setting is changed, allow the fluid to circulate and stabilize before checking the temperature (about 10 minutes).

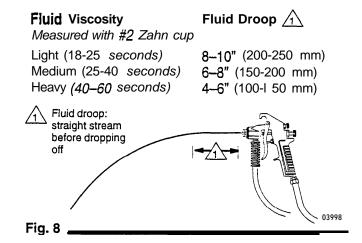
## CAUTION

Be sure the fluid is circulating whenever the heater is on to reduce the risk of damage to the fluid or the heater.

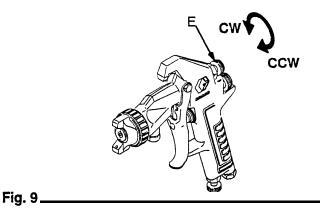
- 14. Follow the fluid manufacturer's recommendations for temperature, and adjust the heater accordingly. If unknown, set the temperature to 110°F (43°C) at the outlet thermometer. Do not proceed until the temperature has stabilized. Do not allow the fluid to exceed 140°F (60°C) unless your fluid manufacturer recommends higher temperatures.
- 15. Spray fluid into a waste pail for about 10 seconds to bring heated material to the gun.
- 16. Hook the drain hose (13) on the fluid supply pail.

#### IV. **Setting Fiuid and Air Pressure**

- 1. With the system primed, the gun regulator (6b) closed, and the pump air regulator (6a) set as instructed in Step 10 on page 8, adjust the fluid pressure regulator (44) to the fluid manufacturer's specifications, if available. Otherwise, follow Step 2 to determine the fluid pressure setting.
- 2. To determine the fluid pressure setting, hold the gun parallel to the floor. (Be sure to catch the fluid in a container.) With the gun air pressure turned OFF, trigger the gun. Adjust the fluid pressure regulator (4) until the straight fluid stream is within the range indicated for the viscosity of your fluid before it drops off. See Fig. 8. Make note of the pressure on the fluid gauge it is your optimal fluid pressure setting.



Be sure the gun's fan pattern adjusting valve (E) 3. has been turned OUT fully clockwise and then turned IN two full turns. See Fig. 9.



- Release the trigger. Install the air cap. 4.
- 5. Partially trigger the gun so only air is emitted. Set the gun air regulator (6b) pressure to 60 psi (4.2 bar)70 psi (4.9 bar).
- 6. Spray a stationary test pattern on scrap paper. Hold the gun 10 to 12 in. (250 to 300 mm) from the paper, and spray for 2 or 3 seconds. If the spray pattern is poorly atomized, you may need to adjust the air or fluid pressure.

If the spray pattern atomization is not fine enough, increase the gun air pressure. If the spray pattern atomization is too fine, decrease the gun air pressure. If the atomization is still not good enough, try lowering the fluid pressure in increments of 2 or 3 psi to achieve the desired finish quality.

**NOTE:** For the most efficient paint usage, use the lowest air pressure needed to obtain a good finish. Higher air pressures create more overspray and uses more fluid.

7. Adjust the fan pattern adjusting valve (E) to tune the spray pattern. Turn counterclockwi HO03 widen spray pattern. Turn clockwise to narrow spray pattern. See Fig. 9. 9

## Operation

### V. Production Spraying

You are now ready for production spraying. If you stop spraying for more than 30 minutes, turn off the heater to prevent overheating the fluid.

### VI. Shutting Down the System

Shut down the system at the end of the work shift and before checking, adjusting, cleaning, or repairing the system. Always follow the **Pressure Reiief Procedure** on page 8.

# Flushing

- I. When to Flush
- Before the first use
- When changing colors
- Before fluid can dry or settle out in a dormant system
- Before storing the system

### II. How to Flush

See Fig. 10.

## A WARNING

**Before** you flush, be sure the heater is turned off and the fluid has cooled. This is to reduce the risk of a fire or explosion and serious injury.

- 1. Turn off the heater (3), and allow the system to cool.
- 2. Remove the air cap from the gun, and clean separately. Do not reinstall at this time.
- Open the filter drain valve (48). Unscrew the fluid filter (45) bowl. Remove the screen. See manual '307-273. Reinstall the bowl without the screen.

- 4. Hook the drain hose (13) on the waste pail.
- 5. Turn the 3-way valve (9) to Drain.
- 6. Turn the needle valve (5) all the way out (counterclockwise).
- 7. Put the suction tube (15) in a grounded pail with about 1 gallon (4 liter) of a compatible solvent.
- 8. Make sure the air regulators (6a,6b) and master air valves (A) are closed.

**NOTE:** The gun air regulator (6b) always stays closed during flushing.

- 9. Make sure the fluid regulator (44) is open (turned in) to allow fluid flow.
- 10. Connect the air line (C) to the pump.
- 11. Open the master air valves (A).
- 12. Slowly open the pump air regulator (6b) until the pump starts.
- 13. Hold the gun against a grounded metal waste pail. Trigger the gun slowly. The gun will emit air until the fluid arrives. When solvent appears, release the trigger.



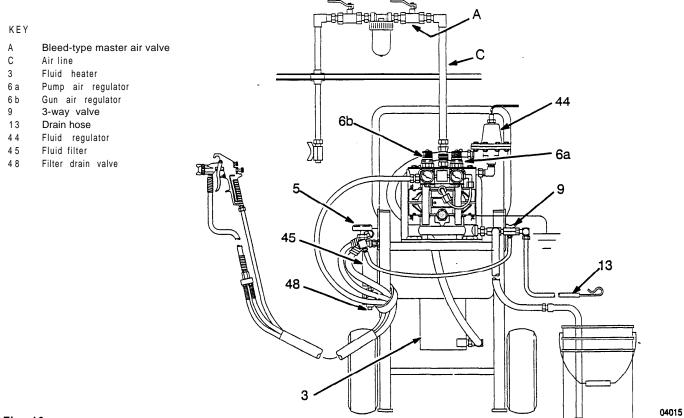
# Flushina

14. <u>For a first-time flush</u>, trigger the gun, and circulate the solvent for 20 seconds.

<u>For flushina after spraving fluid</u>, turn the 3-way valve to **Circulate**. Trigger the gun periodically while circulating the solvent. Periodically turn the 3-way valve to **Drain** to flush out some dirty **Sol**-vent. Flush until the system is clean. Repeat with clean solvent, if necessary.

15. Raise the suction tube out of the solvent, trigger the gun, and run the pump until air comes from the gun. Turn the 3-way valve to **Drain**, and run the pump until all air is expelled.

- 16. Release the trigger, and close the fluid regulator (44) and the air regulators (6a,6b).
- 17. Clean the filter screen, air cap, and fluid nozzle separately.
- 18. Open the filter drain valve (48). Remove the filter bowl, and reinstall the filter screen.
- 19. Thoroughly clean the inside and outside of the suction tube.
- 20. You are now ready to prime the system with another fluid or to store the system.



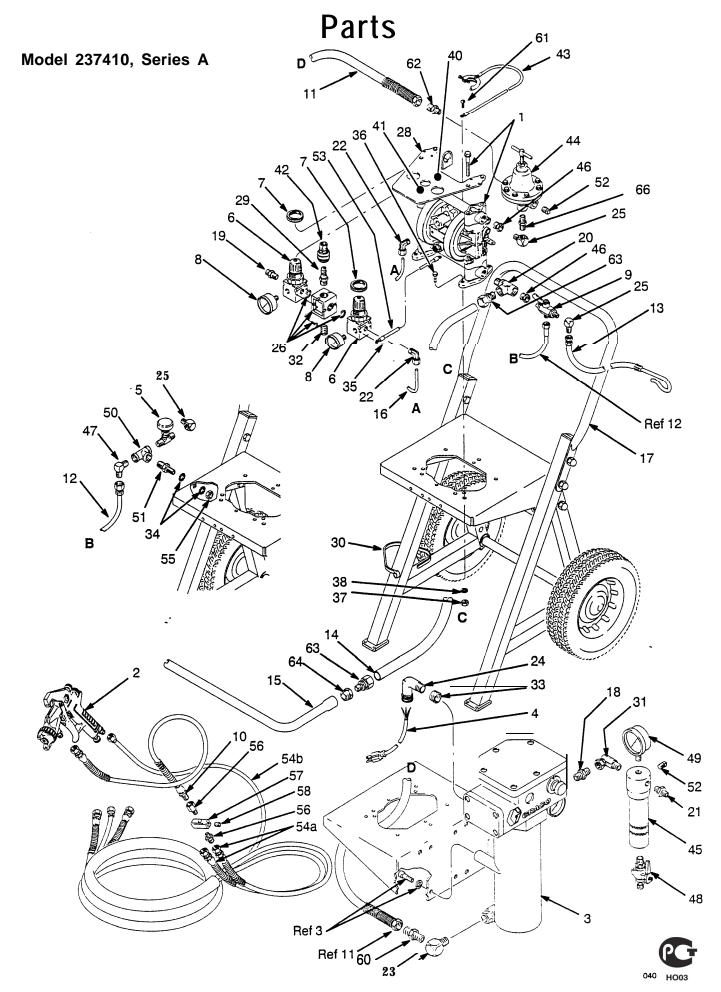


## **Parts**

### Model 237410, Series A

Ref	Part			Ref.			
No.	No.	Description		No.	Part No.	Description	Qty.
1	235-230	Qty. HUSKY 307 PUMP, Acetal/PTFE		25	100-840	90° ELBOW, street, 1/4 npt (m x f)	
		See 308-I 94 for parts	1	26	111-805	BLOCK, diverter	
2	217-752	G700N AIR SPRAY GUN		28	188-093	BRACKET, air regulator	
		with 106-706 air cap and O/ON		29	169-971	AIR LINE FITTING, 3/8 npt(m)	
		needle, see manual 307-452	1	30	103-473	STRAP	
3	220-522	VISCON <sup>2</sup> HEATER (120V)		31	155-494	90" SWIVEL UNION, 3/8 npsm(f) >	x
		See 307-805 for parts	1			3/8 npt(m) swivel	
4	110-160	CORD ASSY, heater, 12 AWG,		32	101-754	PLUG, pipe, 3/8 npt	
		600V,20 AMP, 105°C (221 °F),		33	107-219	BUSHING, 3/4 npt(m) x 1/2 npt(f)	
		6.5' (2 m) long	1	34	100-639	WASHER, wrought, 1/4"	
5	108-233	NEEDLE VALVE	1	35	108-290	SCREW	
6	111-804	AIR REGULATOR, 0 to 125 psi		36	100-021	CAPSCREW, 1/4-20 uric-2a x 1"	2
		(0 to 8.5 bar) pressure range	2	37	100-015	NUT, <b>1/4–20</b> uric-2a	2
7	11 O-209	NUT, regulator	2	38	100-016	LOCKWASHER, spring, <b>1/4"</b>	2
8	108-l 90	AIR PRESSURE GAUGE,		40	187-732	WARNING LABEL	
		0 to 100 psi (0 to 7 bar)	2	41	188-l 74	IDENTIFICATION LABEL	
9	214-711	3-WAY BALL VALVE, 1/4 npt(m),		42	208-536	QUICK DISCONNECT, female	
		See 306-861 for parts	1	43	222-011	GROUND WIRE	
10	214-699	WHIP HOSE,cpld		44	236-216	REGULATOR; 1/4 " npt x 3	
		1/4 npsm(fbe) swivel,		45	218-029	FLUID FILTER	
		3/1 6" ID x 6' (4.8 mm ID x 1.8 m) long	1			see 307-273 for parts	
11	205-l 69	FLUID HOSE, <b>3/8"</b> npt, spring (fbe)		46	100-l 76	BUSHING, 3/8 to 1/4 npt	2
		guards both ends, 3' (0.9 m) long	1	47	11 O-249	ELBOW, <b>1/4</b> npt mbe	
12	206-966	HOSE, 1/4-1 8 npsm(fbe)		48	210–658	BALL VALVE	
		1.5' <b>(.45</b> m) long	1	49	176455	FLUID PRESSURE GAUGE	
13	206-965	DRAIN HOSE ASSEMBLY				0 to 100 psi (0 to 6.9 bar) range	
		3' (0.9 m) long	1	50	104-984	TEE, <b>1/4 npt(f)</b>	
14	188-l 73	FLUID SUCTION HOSE,		51	156-953	STUD	
		<b>3/4"</b> ID x 3.5'		52	100-509	PLUG, <b>1/4</b> "	2
		(19 mm ID x 1.06 m)	1	53	223-324	GROUND WIRE	
15	165-767	SUCTION TUBE, 3/4 npt(f)	1	54	237494	FLUID HOSE SET, includes:	
16	188-l 07	AIR INLET TUBE,		54a		two fluid hoses,	
		0.25" OD x 0.170" ID x 6"		54b		one air hose and hose insulator	
		(6.3 mm OD x <b>4.3 mm</b> ID x 152 mm)	1	55	100-307	NUT	•
17	224-044	CART		56	169-797	NIPPLE, 1/4 npsm x I/8 npt	3
		See 308-I 36 for parts	1	57	169-795	MANIFOLD, 1/8 npt(f)	
18	156-849	NIPPLE, <b>3/8–18</b> npt	1	58	100-l 39	PLUG, hex socket, <b>1/8</b> npt	
19	188-077	NIPPLE, <b>1/4-18</b> npt x		60	159-239	NIPPLE; 3/8" × 1/2"	
		1/4-8.6 sf, cst	1	61	102-790	SCREW	
20	803-088	TEE	1	62	165-l 98		•
21	162-453	NIPPLE, 1/4 npt x 1/4 npsm	1	63	111-864	CONNECTOR, male .	2
22	111-807	90" TUBE FITTING ELBOW,		64	100-505	BUSHING	
		1/4 npt(m) x ferrule nut for	-	66	156-971	NIPPLE, short	
00	450.000	0.25" (6.3 mm) OD tube	2	1.1~~		Cross name and according	
23.	158-683	90" ELBOW, 1/2 npt (m x f)	1	USE (	only genuine	Graco parts and accessories.	
24	112-408	90" CORD GRIP ELBOW,		▲ Po	nlacomont D	anger and Warning labels tage and	1
		1/2 npt(m), includes nut,				anger and Warning labels, tags, and ble at no cost.	1
		washer, and grommet	1	ud	ius ais avdila		





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Notes



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## Technical Data

Maximum fluid working pressure 100 psi (6.9 bar) Maximum incoming air pressure 100 psi (6.9 bar) Gun air consumption1 6 <b>scfm</b> at 50 psi (0.45 <b>m<sup>3</sup>/min</b> at 3.5 bar) Pump air consumption at <i>1/2 gpm</i> : 1 <b>scfm</b> at 60 psi (0.028 <b>m<sup>3</sup>/min</b> at 4.2 bar)
at <i>free flow: 5.5</i> scim (0.15 m <sup>3</sup> /min)
Heater electrical requirement 2000 Watts, 110
16.7 Amp
Wetted parts
Pump* . acetal with conductive SST fibers, acetal, PTFE
Spray gun
Fluid heater
Fluid hose and tubing , ,
Fluid fittings . acetal, stainless steel, carbon steel 394/316 Fluid regulator acetal resins, PTFE, tungsten carbide,
<b>Fluid</b> regulator acetal resins, PTFE, tungsten carbide,
ald 304/316/1 7-4 stainless steel
PHuid filter
201/216 stainless staal polyothylong
304/316 stainless steel, polyethylene
Acctal is not recommended for use with sold pately made risks

• Acetal is not recommended for use with acid-catalyzed materials.

All 304, 316, and 17-4 **pH** stainless steels are **electropolished and/or** passivated.

Teflon® is a registered trademark of the DuPont Co.

## Manual Change Summary

The current revision of this manual includes the following changes:

### Page 12, Parts List:

- The quantity of item 25 (elbow) is changed to 3.
- The quantity of item 47 (elbow) is changed to 1.

### Page 13, Parts Drawing:

- Item 60 is changed to 62, and item 62 is changed to 60.
- The **1/4-in**. male elbow (47) under the regulator (44) is replaced with a **1/4-in**. m x f street elbow (25) and a short nipple (66).

## 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, tamperfng, or substitution of non-Grace component parts. Nor shall **Graco** be liable for malfunction, damage or wear caused by the incompatibility with **Graco** equipment of structures, accessories, equipment or materiais 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 Number

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

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



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