

This manual contains **IMPORTANT
WARNINGS AND INSTRUCTIONS**
READ AND RETAIN FOR REFERENCE

Rev B
Supercedes A

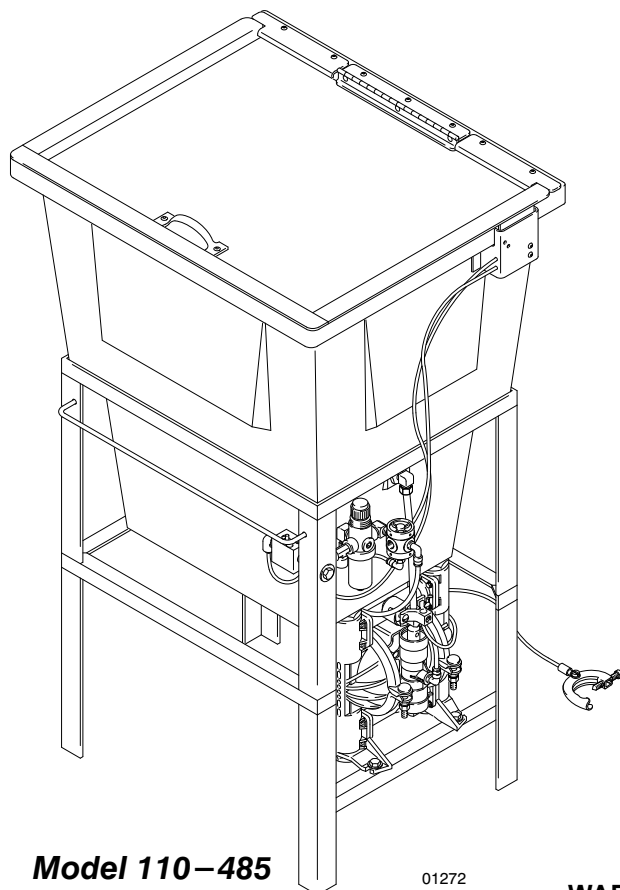
PRO-WASH™ GUN WASHER

Model 110—484, Series A

100 psi (7 bar) MAXIMUM WORKING PRESSURE
With Mini-Flo™ Supply Pump (Model 217—588) and plastic fluid tank; two gun capacity

Model 110—485, Series A

100 psi (7 bar) MAXIMUM WORKING PRESSURE
With Husky™ 715 Pump (Model 220—617) and plastic fluid tank; two gun capacity



Model 110—485

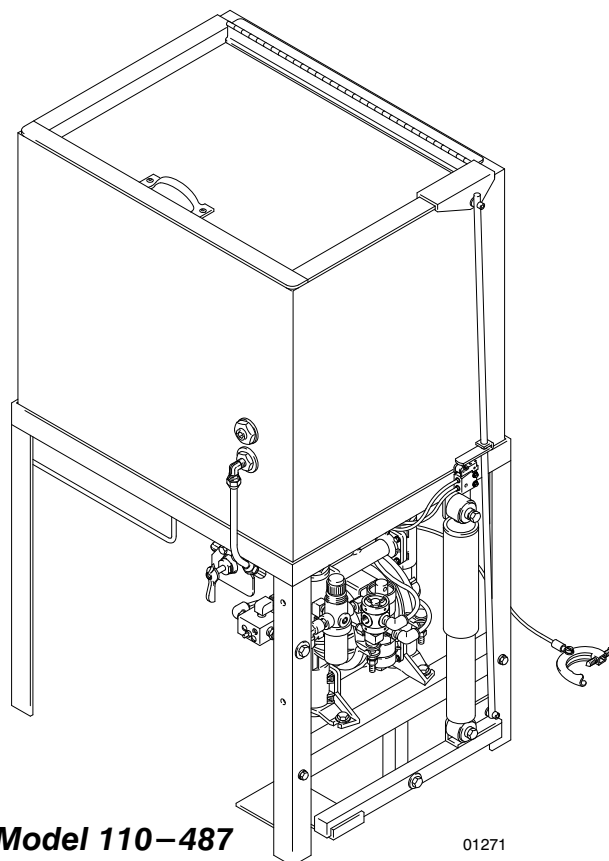
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Model 110—486, Series A

100 psi (7 bar) MAXIMUM WORKING PRESSURE
With Husky™ 715 Pump (Model 220—617) and stainless steel fluid tank; four gun capacity

Model 110—487, Series A

100 psi (7 bar) MAXIMUM WORKING PRESSURE
With Husky™ 715 Pump (Model 220—617), stainless steel fluid tank, foot pedal assembly, and hose wash; four gun capacity



Model 110—487

01271

WARNING

Hazards of Using Fluids Containing Halogenated Hydrocarbons

Never use 1,1,1-trichloroethane, methylene chloride, other halogenated hydrocarbon solvents or fluids containing such solvents with gun washer 110—484 or guns having wetted aluminum or galvanized parts. Such use could result in a serious chemical reaction, with the possibility of explosion, which could cause death, serious bodily injury and/or substantial property damage.

Consult your fluid suppliers to ensure that the fluids being used are compatible with the aluminum parts. Refer to the Technical Data on the back page for "Wetted Parts" information.

WARNINGS

FOR PROFESSIONAL USE ONLY. OBSERVE ALL WARNINGS.

READ AND UNDERSTAND ALL INSTRUCTION MANUALS AND WARNING LABELS SUPPLIED WITH THIS EQUIPMENT BEFORE OPERATING IT.

EQUIPMENT MISUSE HAZARD

General Safety

Any misuse of the equipment or accessories, such as overpressurizing, modifying parts, using incompatible chemicals and fluids, or using worn or damaged parts, can cause them to rupture and result in serious bodily injury, including eye injury, fire, explosion or property damage.

A safety device has been installed to shut off the pump when the gun washer lid is opened. DO NOT tamper with or alter this device. Serious bodily injury, including blindness, could result.

The gun washer lid has been designed to close automatically unless supported by hand (Models 110–485, 110–484, and 110–486) or by foot (Model 110–487). NEVER attempt to overcome this safety feature by propping the cover open with an object or by any other means.

ALWAYS open the gun washer lid slowly.

NEVER alter or modify any part of this equipment.

CHECK all equipment regularly and repair or replace worn or damaged parts immediately.

Take precautions to avoid a hazardous fluid spill. See **USING HAZARDOUS FLUIDS**, below.

USING HAZARDOUS FLUIDS

Improper handling of hazardous fluids or inhaling toxic vapors can cause extremely serious bodily injury, even death, due to splashing in the eyes, ingestion, or bodily contamination. Know what fluid you are pumping and its specific hazards. Store hazardous fluid in an appropriate, approved container. Dispose of it according to all Local, State and Federal regulations for hazardous fluids. Observe all the following precautions when handling known or potentially hazardous fluids.

1. Always wear appropriate clothing and equipment, such as eye protection and breathing apparatus, to protect yourself.
2. *Models 110–485, 110–486, and 110–487 Gun Washers:* Pipe and dispose of the exhaust air safely. If the diaphragm fails, the fluid is exhausted along with the air, through the muffler. When pumping flammable or hazardous fluids, you must vent the exhaust to a safe place, away from people, animals, or food handling areas. Place a container at the end of the air exhaust line to catch the fluid. See Fig 1.

System Pressure

The gun washer pumps develop 100 psi (7 bar) **MAXIMUM FLUID WORKING PRESSURE** at 100 psi (7 bar) maximum incoming air pressure. Never exceed these maximum pressures, or the maximum working pressure of the lowest rated component in your system.

Fluid Compatibility

BE SURE all fluids and solvents used are chemically compatible with the “Wetted Parts” shown in the **TECHNICAL DATA** on the back page. Always read the solvent manufacturer’s literature before using the solvent in this equipment.

Model 110–485, 110–486, 110–487 Gun Washer

If the pump’s diaphragm fails, non-wetted parts will be exposed to the fluid, along with the wetted parts. Check the pump manual for a list of non-wetted materials.

Pressure Relief Procedure

To reduce the risk of serious bodily injury, including splashing fluid or solvent in the eyes or on the skin, always shut off the air to the pump, relieve all system pressure, and drain the solvent from the gun washer tank before checking, adjusting, cleaning, moving, or repairing any part of the system.

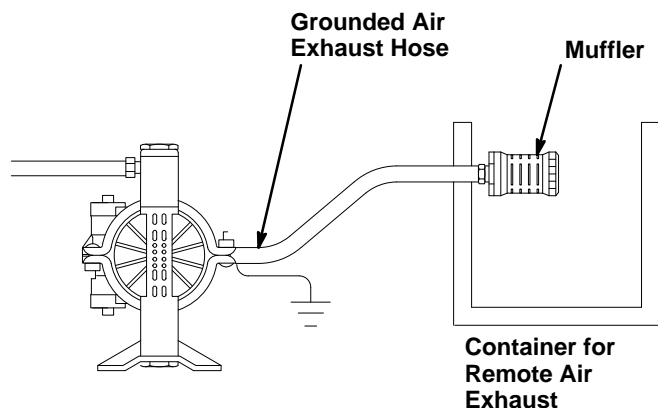


Fig 1

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FIRE OR EXPLOSION HAZARD

Flammable Liquid

Flammable liquid solvent vapors may ignite. ALWAYS keep all ignition sources such as static electricity, sparks, arcs, open flames (including pilot lights), and hot objects (including cigarettes) away from the gun washer and solvent.

MAKE SURE the *ES ON-OFF* valve lever (electrostatics) is “OFF” before cleaning an electrostatic gun.

NEVER allow solvent to enter the air passage of any electrostatic gun. Plug the gun air inlet before cleaning the gun.

Use only solvents recommended by spray gun manufacturer.

ALWAYS use solvent with the highest possible flash-point.

Use only non-conductive solvent when cleaning electrostatic guns.

The PRO-Wash gun washer is classified as a temporary storage container. To reduce the risk of fire or explosion, BE SURE to drain the solvent into a proper storage container and store it according to the local code for flammable liquids when shutting down your system.

Static Sparking

Static electricity is created by the fluid flowing through the pump and hose. If the equipment is not properly grounded, sparking may occur, and the system may become hazardous. Sparks can ignite fumes from sol-

vents and the fluid being pumped, dust particles and other flammable substances, whether you are pumping indoors or outdoors, and cause a fire or explosion, serious bodily injury, and property damage.

If you experience any static sparking or even a slight shock while using this equipment, STOP USING THE EQUIPMENT IMMEDIATELY. Do not use the equipment again until the cause of the problem is identified and corrected.

Grounding

To reduce the risk of static sparking, ground the pump and all other equipment used or located in the gun washer area. CHECK your local electrical code for detailed grounding instructions for your area and type of equipment. **GROUND ALL OF THIS EQUIPMENT.**

1. *Gun Washer:* Ground as instructed on page 45
2. *Air and Fluid hoses:* Use only grounded hoses with a maximum of 500 ft. (150 m) combined hose length to ensure grounding continuity.
3. *Air compressor:* Ground according to manufacturer's recommendations.
4. *Ground all solvent pails used when flushing and draining* according to 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.
5. *Fluid supply container:* Ground according to local code.

IMPORTANT

United States Government safety standards have been adopted under the Occupational Safety and Health Act. These standards – particularly the General Standards, Part 1910, Sections 1910.106 and 1910.107 – should be consulted.

CONTENTS

Warnings	2	<i>Model 110–485</i>	16
Installation	4	<i>Model 110–486</i>	18
Start-Up	7	<i>Model 110–487</i>	20
Operation	8	Technical Data	23
Shutdown and Care	11	Warranty	Back Cover
Parts Drawings and Lists		Important Phone Numbers	Back Cover
<i>Model 110–484</i>	14		

GUN WASHER DESCRIPTION

Gun Washer Model No.	Pump Model No.	Tank/Lid Material	Standard Gun Supports*	Additional Features
110-484	Mini-Flo, Model 217-588	plastic/aluminum	(one) 512-800 support (one) 512-884 support (one) 512-835 adapter (two gun maximum)	
110-485	Husky 715, Model 220-617	plastic/stainless steel	(one) 512-800 support (one) 512-884 support (one) 512-835 adapter (two gun maximum)	
110-486	Husky 715, Model 220-617	stainless steel/ stainless steel	(two) 512-800 support (two) 512-884 support (two) 512-835 adapter (four gun maximum)	
110-487	Husky 715, Model 220-617	stainless steel/ stainless steel	(two) 512-800 support (two) 512-884 support (two) 512-835 adapter (four gun maximum)	hose wash, foot pedal assembly

* The standard gun supports can be replaced with accessory gun supports to fit the type of guns being washed. See descriptions below.

ACCESSORY GUN SUPPORTS

Typically Used to Clean**	Order:		
	Gun Support Part No.	Adapter Part No.	Trigger Lock Part No.
Graco Electrostatic PRO™ Guns	512-884	512-835	512-802
Pressure Feed, Gravity Feed and Conventional Air Spray Guns	512-800	none	512-801
Cup Guns	512-805	none	512-801
Graco H.E.L.P. G1265, G1200, and G1200B Guns	512-800	512-835	512-802

**Refer to the figure drawings on page 9.

Installing Accessory Gun supports

Remove the gun support and trigger lock you are replacing and install the accessory gun support, (adapter), and trigger lock. Refer to the Parts Drawing (*Fluid Manifold Detail*) for your gun washer model.

INSTALLATION

Install the Gun Washer

WARNING

To prevent hazardous concentrations of toxic and/or flammable vapors, the gun washer must be installed in a properly ventilated paint mixing room or spray booth. **Never operate the gun washer unless ventilation fans are operating.**

Check and follow all the National, State and Local codes regarding ventilation requirements.

NOTE: Make sure the gun washer is standing on a level, solid surface.

Ground the Gun Washer

WARNING

Static electricity is created by fluid flowing through the pump and hose. To reduce the risk of static sparking, ground the pump and all other equipment used or located in the gun washer area. Read **FIRE OR EXPLOSION HAZARD** on page 2. Ground the gun washer as instructed below.

Ground the gun washer and its pump by connecting the clamp end of the gun washer's 15 ft. (4.6 m) ground wire to a true earth ground. See Fig 2.

TYPICAL INSTALLATION AND GROUNDING SHOWN

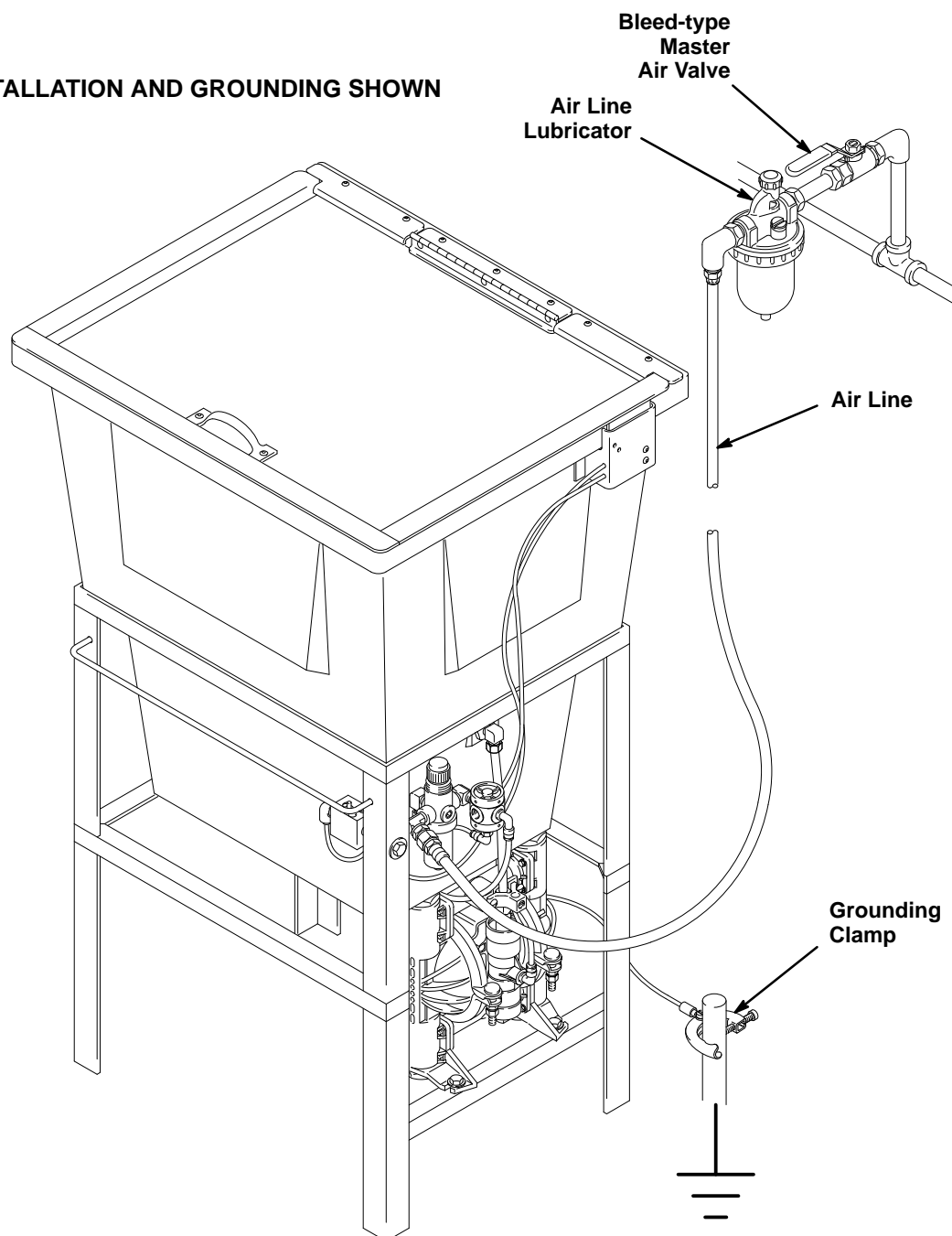


Fig 2

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ALL MODELS

1. Install a bleed-type master air valve upstream and within easy reach of the gun washer to relieve air trapped between this valve and the pump after the air is shut off. See Fig 2.

Continue with step 2 for your gun washer model.

MODEL 110-484

2. Model 110-484 includes a lubricator. See Fig 3. Fill the lubricator reservoir to the "full line" with non-detergent SAE 30W oil. The lubricator adjustment knob has been preset at the factory to provide the optimum drip rate of five drops per minute of operation; do not readjust.
3. Install into the end of the reset valve block a 1/4 in. npt male coupler that is compatible with the quick disconnect of your air supply line.
4. Connect the air line to the coupler.

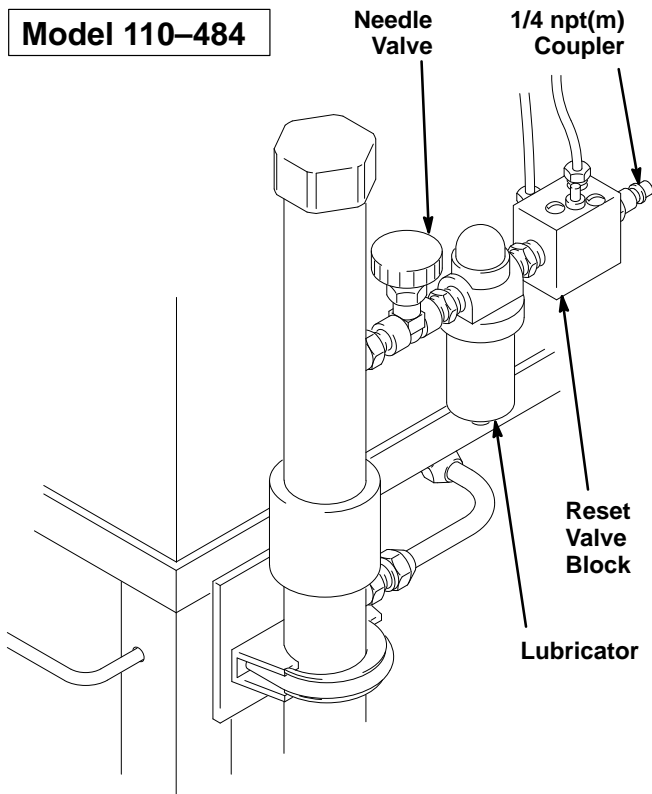


Fig 3

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WARNING

The *bleed-type master air valve* is required in your system to relieve air trapped between this valve and the pump after the air is shut off. Trapped air can cause the pump to cycle unexpectedly, which could result in serious bodily injury, including splashing in the eyes or on the skin.

MODELS 110-485, 110-486, and 110-487

2. Install an air line lubricator downstream of the master air valve and as close to the pump as possible for automatic air motor lubrication. See Fig 2.
3. Install into the air inlet adapter a 1/4 in. npt male coupler that is compatible with the quick disconnect of your air supply line. See Fig 4.
4. Connect the air line to the coupler.

Model 110-485, 110-486, & 110-487

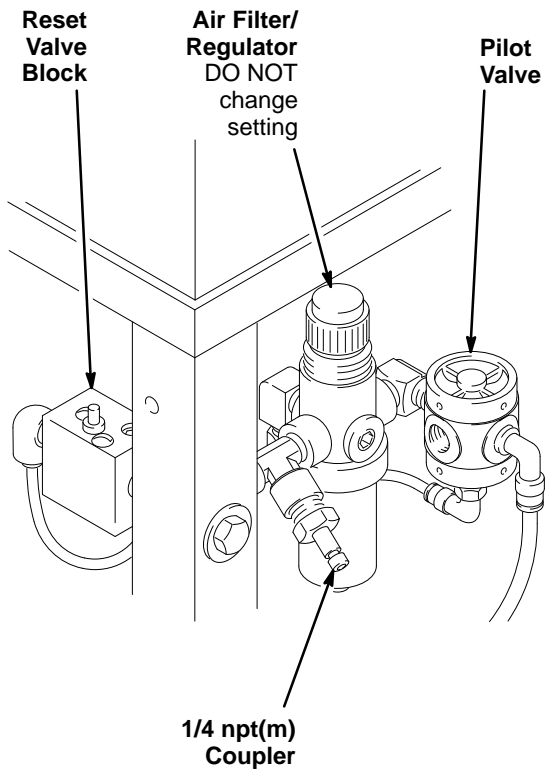


Fig 4

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1. Apply Teflon® pipe paste to the fluid drain valve male threads and screw it into the bottom of the gun washer. See Parts Drawing.

WARNING

Improper handling of hazardous fluids or inhaling toxic vapors can cause extremely serious bodily injury, even death, due to splashing in the eyes, ingestion, or bodily contamination.

ALWAYS wear proper eye protection, breathing apparatus, and other appropriate clothing and equipment when operating or servicing this equipment. Consult the solvent's *Material Safety Data Sheet* for other precautionary requirements.

2. Make sure the fluid drain valve is in the closed position. Fill the gun washer fluid tank with solvent as instructed for your gun washer model, below.

Models 110–485 and 110–484: Carefully pour solvent into the fluid tank until the fluid level is at least 1/2 inch (12.7 mm) above the filter in the lower portion of the cabinet.

Models 110–486 and 110–487: Carefully pour solvent into the fluid tank until the fluid level is just below the bottom of the tank assembly.

NOTE: DO NOT pour more than 5 gallons (18.9 liters) of a compatible solvent into the fluid tank.

CAUTION

Use only non-conductive solvents when cleaning electrostatic guns. Conductive solvents can cause the gun to malfunction.

Follow the spray gun manufacturer's cleaning recommendations and the solvent material safety data sheets when selecting a solvent.

WARNING

To reduce the risk of fire or explosion, ALWAYS use solvent with the highest possible flashpoint.

3. Set the air pressure to the pump between 40 and 75 psi (2.8 and 5.2 bar).
4. **Model 110–484:** To adjust the pump, first close the air needle valve to the pump. Start the gun washer by depressing the button on the reset valve block. See Fig 3. Adjust the pump needle valve to achieve 120 cycles/minute.

NOTE: Installing and using a regulator and filter will help extend pump life.

Models 110–485, 110–486, and 110–487 include an air filter/regulator that has been preset at the factory; do not readjust it. See Fig 4.

CAUTION

DO NOT change the setting on the Husky pump's air filter/regulator as this will damage the regulator.

OPERATION

WARNING

Flammable liquid solvent vapors may ignite. To reduce the risk of serious injury, explosion, or fire, ALWAYS keep all ignition sources such as static electricity, sparks, arcs, open flames (including pilot lights), and hot objects (including cigarettes) away from the gun washer.

WARNING

To avoid component rupture, which could result in serious injury or property damage, NEVER connect the gun washer to a source of air pressure in excess of 100 psi (7 bar) or above the maximum working pressure of your lowest rated component.

NEVER operate the gun washer at a pressure above the working pressure rating of the gun(s) being cleaned.

Preparing Guns/Cups for the Gun Washer

1. Remove the pressure cup or fluid line and the air line from the spray gun.

2. Drain any excess fluid into a fluid container.

NOTE: The solvent in the gun washer will last longer if pressure cups are thoroughly emptied before placing them in the gun washer.

3. Remove the spray gun filter at the fluid inlet fitting. Clean spray gun filter daily or replace it if necessary.
4. Hang the gun on the gun holder rod on the front of the gun washer.

CAUTION

All pressure gauges must be removed before placing the painting equipment in the gun washer to avoid damaging the gauges.

5. **Electrostatic Guns:** To lock the gun trigger in the open position, install the wire trigger lock around the gun handle and trigger as shown in Fig 5 or 6.

H.E.L.P. G1265, G1200, G1200B Guns: To lock the gun trigger in the open position, install the wire trigger lock around the gun handle and trigger as shown in Fig 6.

Other Guns: To lock the gun trigger in the open position, insert the narrow tip of the plastic trigger lock between the trigger and gun housing as shown in Fig 5 or 6.

NOTE: If the plastic trigger lock cannot be inserted or the wire trigger lock does not fit on your electrostatic gun, wrap the chain around the trigger and handle to hold trigger in an open position.

Placing Guns/Cups in the Gun Washer

H.E.L.P. G1265, G1200, G1200B Guns

Screw the fluid inlet adapter onto the H.E.L.P. gun fluid inlet. Set fluid inlet adapter over the long gun support.

Siphon Feed Guns

Set the gun siphon stem over the short gun support.

Pressure Feed Guns with Cup (2 Qt. Capacity)

Set the cup cover siphon stem over the short gun support. Position the gun and hoses on the screen platform. See Fig 6.

Pressure Feed Guns (More Than 2 Qt. Capacity)

Set the gun fluid inlet over the long gun support as shown in Fig 5 or 6.

Gravity Feed Guns

Set the gun fluid inlet over the long gun support as shown in Fig 5 or 6.

Electrostatic Guns

WARNING

To reduce the risk of electrostatic shock, fire, or explosion; which could result in serious injury and property damage, be sure to follow these precautions.

- ONLY use non-conductive solvents when cleaning electrostatic guns.
- MAKE SURE the *ES ON-OFF* valve lever (electrostatics) is "OFF" before cleaning the gun.
- NEVER allow solvent to enter the air passage of any electrostatic gun. Plug the gun air inlet before cleaning the gun.
- NEVER place the gun air inlet over a gun support.
- ONLY use the fluid inlet adapter provided with the gun washer. Install it on the gun fluid inlet as instructed below.

NOTE: The PRO-Wash™ gun washer is approved to clean the Graco PRO 4000, PRO AA4000, PRO 3500, and PRO 4500 electrostatic guns. Consult the manufacturer of any other electrostatic gun before using the PRO-Wash.

1. MAKE SURE the *ES ON-OFF* lever (electrostatics) is OFF. Refer to your gun manual.
2. Screw the fluid inlet adapter onto the PRO-gun fluid inlet.
3. Place the gun in the gun washer, setting the fluid inlet adapter over the short gun support as shown in Fig 5 or 6.

Leave the air cap installed on the gun. Remove and clean it by hand after removing the gun from the gun washer.

Gun Supports for Models 110-484 & 110-485

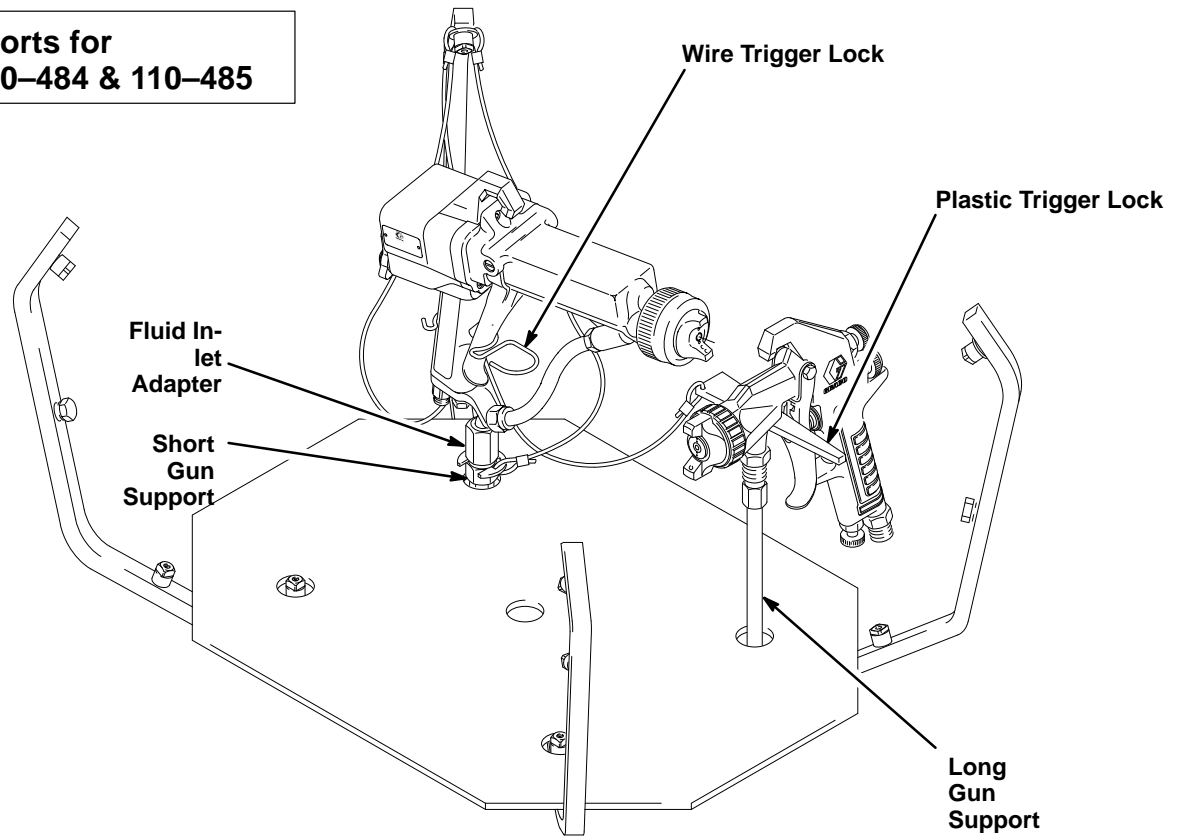


Fig 5

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Gun Supports for Models 110-486 & 110-487

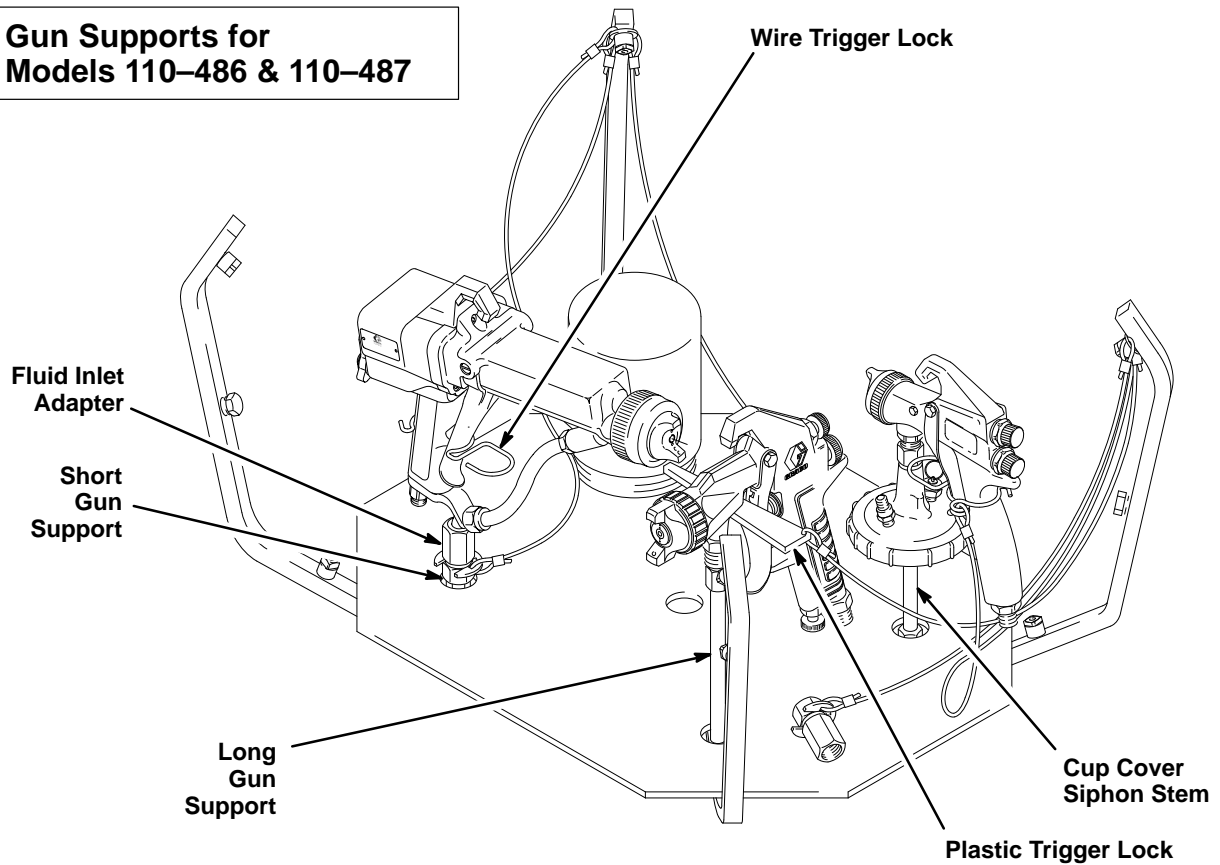


Fig 6

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Model 110–487 -- Using the Hose Wash

1. Place the hose entirely inside the gun washer.
2. Connect one end of the hose to the hose wash bulkhead fitting. See Fig 7.
3. Turn the hose/gun wash selector to *HOSE WASH*.

NOTE: When the selector is set for hose wash, the solvent is routed through the hose wash bulkhead fitting instead of the gun supports and spray nozzles.

4. Continue by following **Operating the Gun Washer** instructions, at right.

Model 110–487 -- Hose Wash

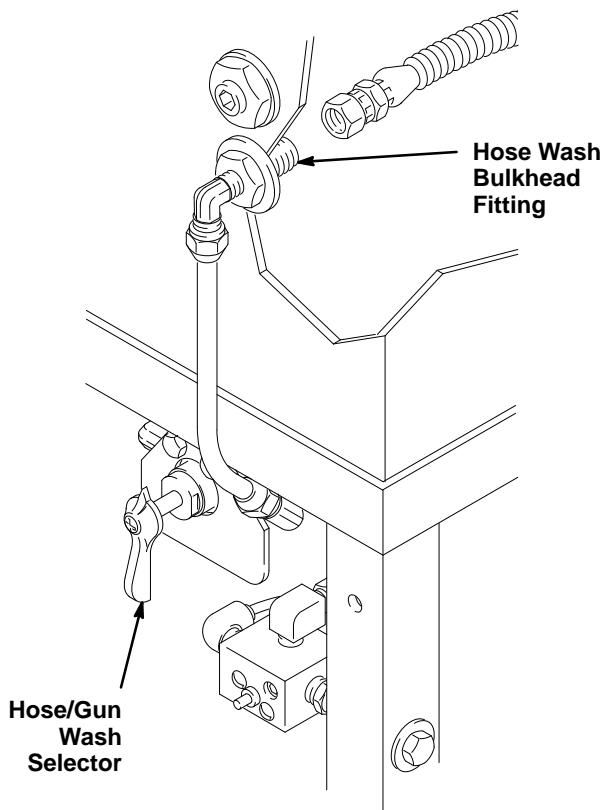


Fig 7

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Operating the Gun Washer

WARNING

A safety device has been installed to shut off the pump when the gun washer lid is opened. **DO NOT** tamper with or alter this device. Serious bodily injury, including blindness, could result.

ALWAYS open the gun washer lid slowly.

ALWAYS wear proper eye protection when operating or servicing this equipment. Consult the solvent Material Safety Data Sheet for other precautionary requirements.

The gun washer lid has been designed to close automatically unless supported by hand (Models 110–485, 110–484, and 110–486) or by foot (Model 110–487). **NEVER** attempt to overcome this safety feature by propping the cover open with an object or by any other means.

1. Make sure all adaptor chains and cables are inside the gun washer tank.
2. Close the gun washer lid.
3. Press the start button on the reset valve block to start the gun washer. Guns, cups, or other paint utensils will be cleaned, inside and out, in about 30 to 60 seconds.

NOTE: Cleaning operation should not exceed 60 seconds. Longer operation will not improve the cleaning process and will cause unnecessary wear on the pump.

If the lid is opened while the gun washer is operating, the air supply will automatically shut off and spraying action will stop. To restart the pump, close the lid and press the start button.

4. If one or more of the gun mounts is not being used, place a stream blocking device, such as a pint-size can, over the stem supports and the cup spray nozzle not being used to prevent those jets of solvent from hitting the underside of the gun washer lid.

WARNING

To reduce the risk of fire or explosion, **ALWAYS** clean-up any solvent leaks or spills immediately. Repair any leaking components before operating the gun washer again.

Pump Operation and Maintenance

See the pump instruction manual provided with the gun washer for operation and maintenance of the pump.

Gun Washer Shutdown and Care

WARNING

When shutting down the gun washer and before checking, cleaning, adjusting, moving, or servicing it, ALWAYS disconnect the air supply, relieve pressure, and drain the solvent into a proper solvent container. This will reduce the risk of serious injury, including splashing in the eyes or on the skin, fire, explosion, or electric shock.

1. Drain the solvent from the gun washer tank daily. Place a proper solvent container under the fluid drain valve on the bottom of the tank and open the fluid drain valve.

WARNING

The PRO-Wash gun washer is classified as a temporary storage container. To reduce the risk of fire or explosion, BE SURE to drain the solvent into a proper storage container and store it according to the local code for flammable liquids when shutting down your system.

2. Wipe the inside of the tank with a cloth or use a brush to remove any built-up paint residue.
3. Thoroughly clean the gun washer filter (item 12 in Parts Drawings) with a brush.

4. Change the solvent completely when it is no longer thoroughly cleaning the painting equipment. If the gun washer is being filled with old solvent, be sure to filter the solvent before filling the gun washer tank.

NOTE: If the solvent is thoroughly filtered daily to remove paint residue, it can usually be reused for 2 to 8 weeks (depending on gun washer usage).

WARNING

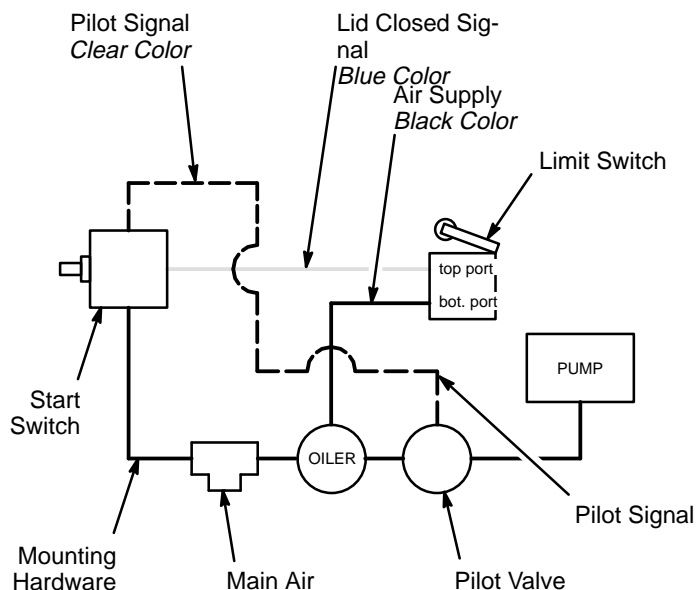
To reduce the risk of fire or explosion, ALWAYS clean-up any solvent leaks or spills immediately. Repair any leaking components before operating the gun washer again.

Air Cut-off Switch and Reset Block

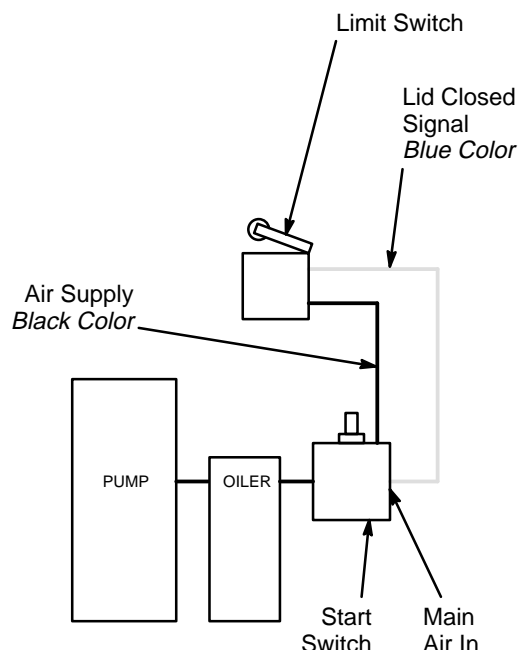
WARNING

A safety device has been installed to shut off the pump when the gun washer lid is opened. DO NOT tamper with or alter this device. Serious bodily injury, including blindness, could result.

The air connections between the air cut-off switch and reset block are color coded. They must ALWAYS be connected as shown in Fig 8.



Air Cut-off and Reset Block for Model 110-484



Air Cut-off and Reset Block for Models 110-485, 110-486, & 110-487

Check the Gun Washer Electrical Continuity

WARNING

There must be electrical continuity between the gun washer's fluid tank, divider plate, frame, and main ground wire. To reduce the risk of static sparking, fire, or explosion, check the gun washer electrical continuity between all gun washer metallic parts and true earth ground before operating the gun washer again, after servicing it.

Check your local electrical code for detailed grounding instructions for your area and type of equipment.

If electrical continuity is lost, check the grounding connections and reconnect them as needed. See Fig 9 for the gun washers grounding circuits.

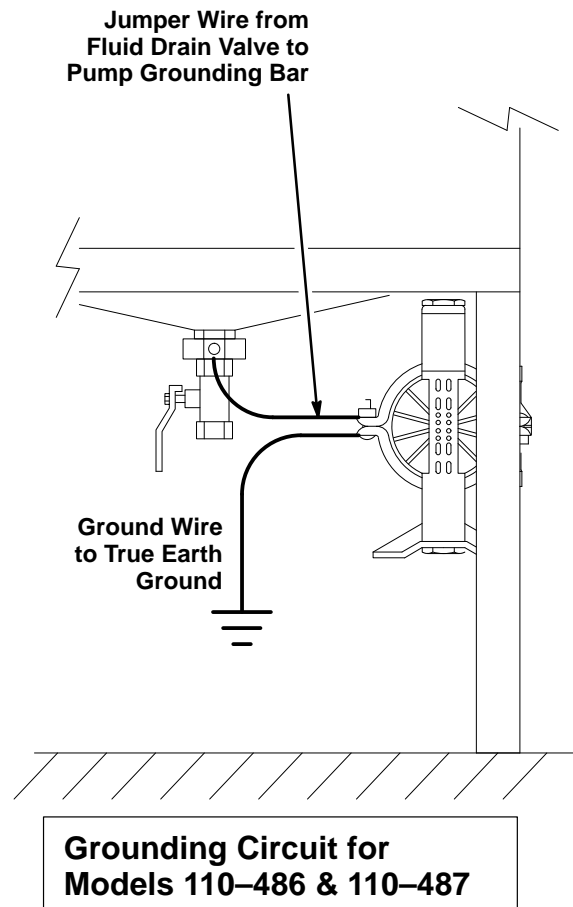
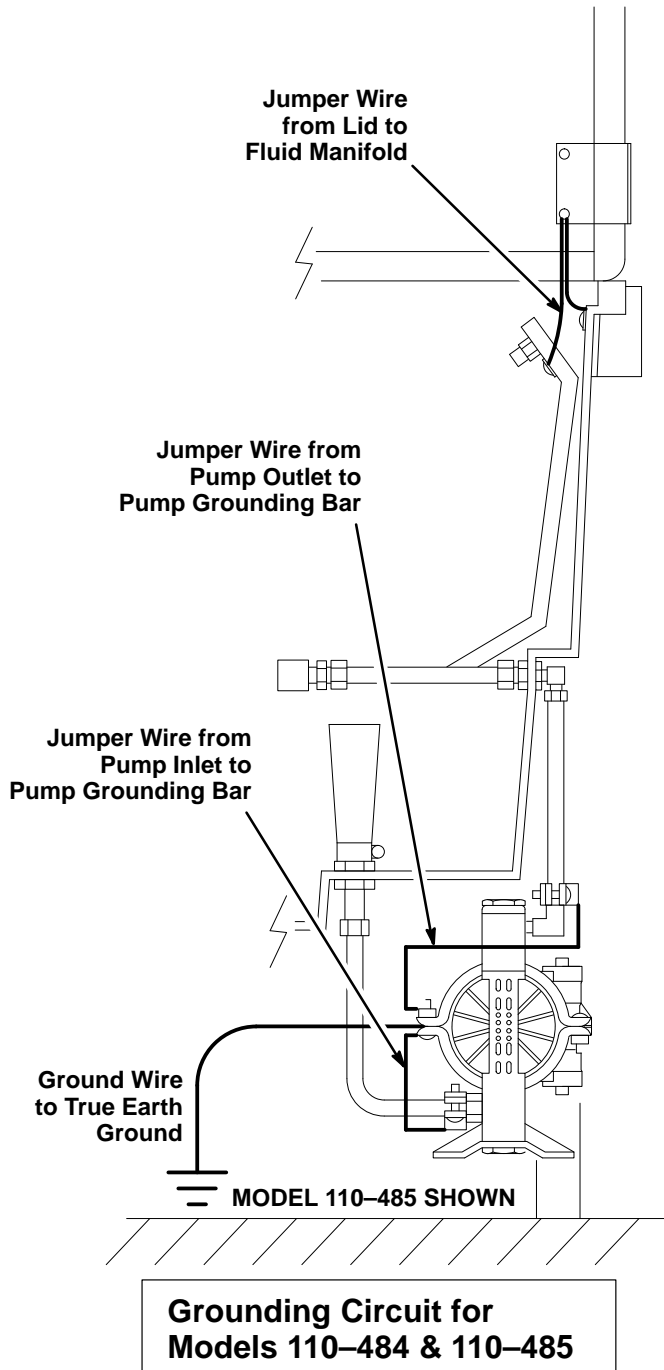
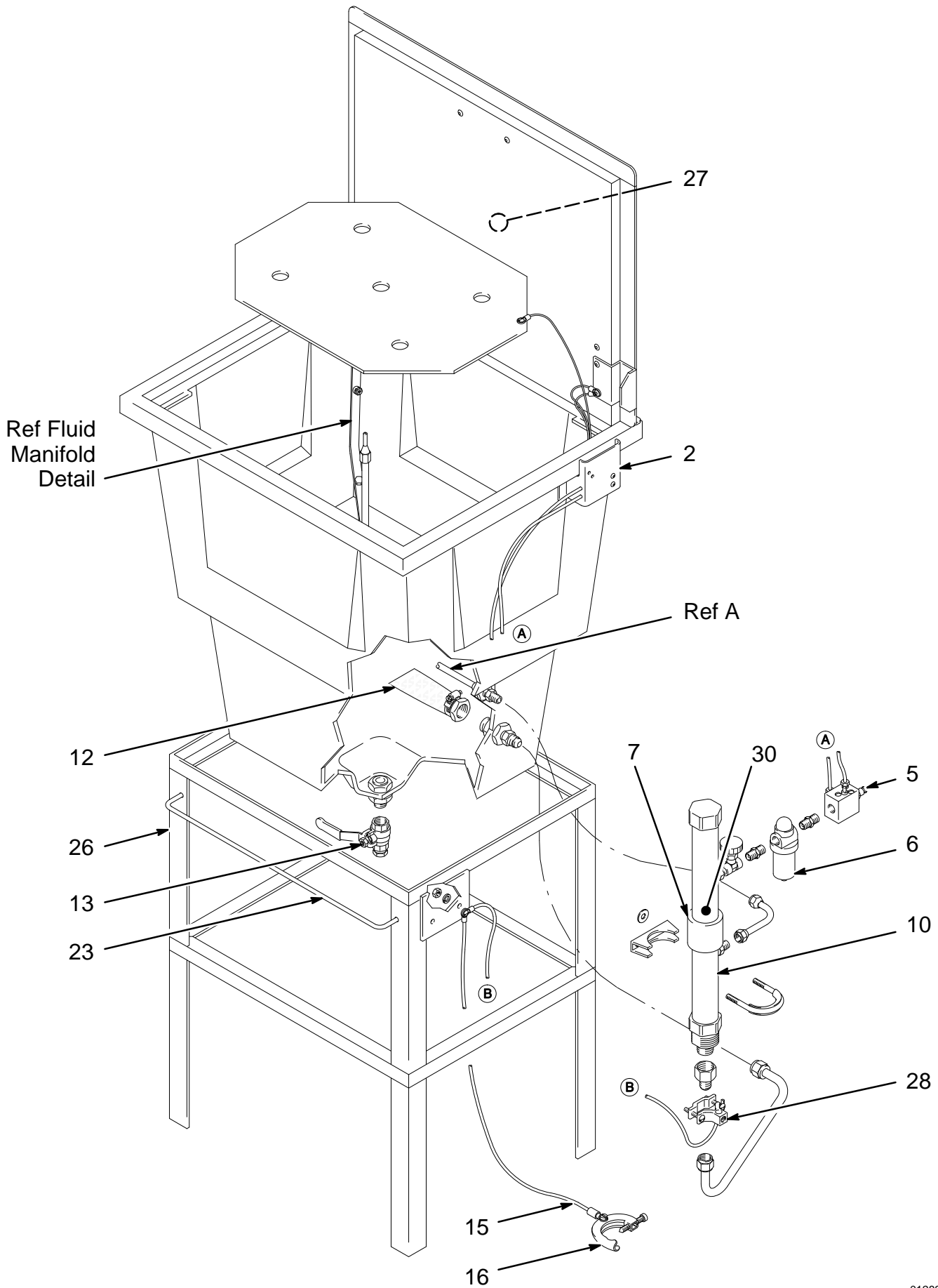


Fig 9

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PARTS DRAWING



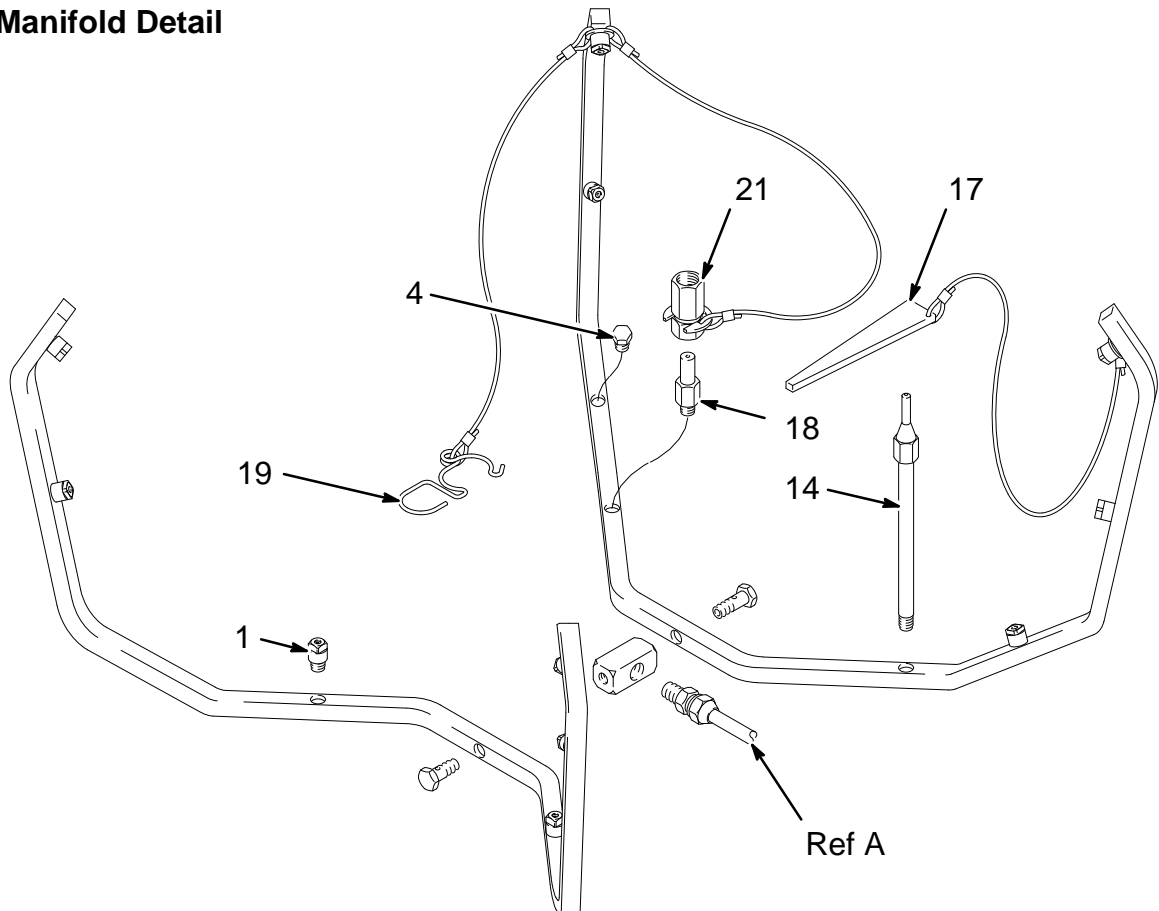
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PARTS LIST

Model 110–484 Gun Washer

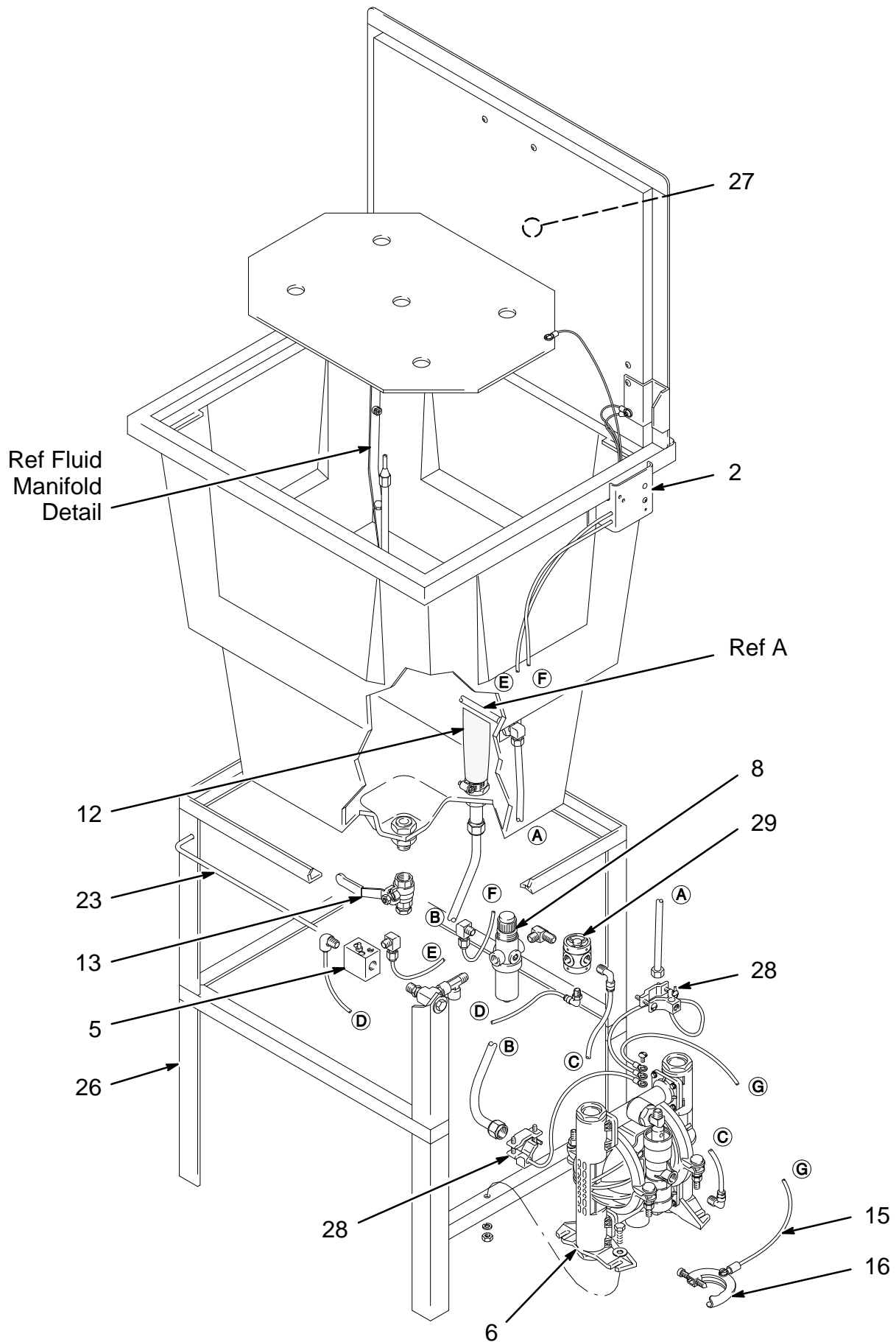
REF NO.	PART NO.	DESCRIPTION	QTY	REF NO.	PART NO.	DESCRIPTION	QTY
1	512-799	NOZZLE, spray; brass	10	16	103-538	CLAMP, grounding	1
2	512-803	SWITCH, air cut-off	1	17	512-801	TRIGGER LOCK; plastic	1
4	512-827	PLUG; brass	2	18	512-884	GUN SUPPORT, short; brass	1
5	512-804	BLOCK, reset valve	1	19	512-802	TRIGGER LOCK, wire; stainless steel	1
6	512-826	OILER, air	1	21	512-835	ADAPTER, fluid inlet, PRO-gun; brass	1
7	512-837	MUFFLER, pump	1	23	512-867	ROD, gun holder	1
10	222-590	PUMP, Mini-Flo; See manual 307-618 to order parts	1	26	110-559	STAND, gun washer	1
11	512-807	TUBING, pump (lower); tin-coated steel	1	27*	186-527	LABEL, warning, gun washer	1
12	513-290	FILTER, fluid	1	28	513-049	JUMPER, ground	1
13	102-646	VALVE, fluid drain; brass	1	30*	181-211	LABEL, warning, pump	1
14	512-800	GUN SUPPORT, long; brass	1	<i>*Warning labels available at no charge from Graco.</i>			
15	512-871	WIRE, grounding	1				

Fluid Manifold Detail



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PARTS DRAWING

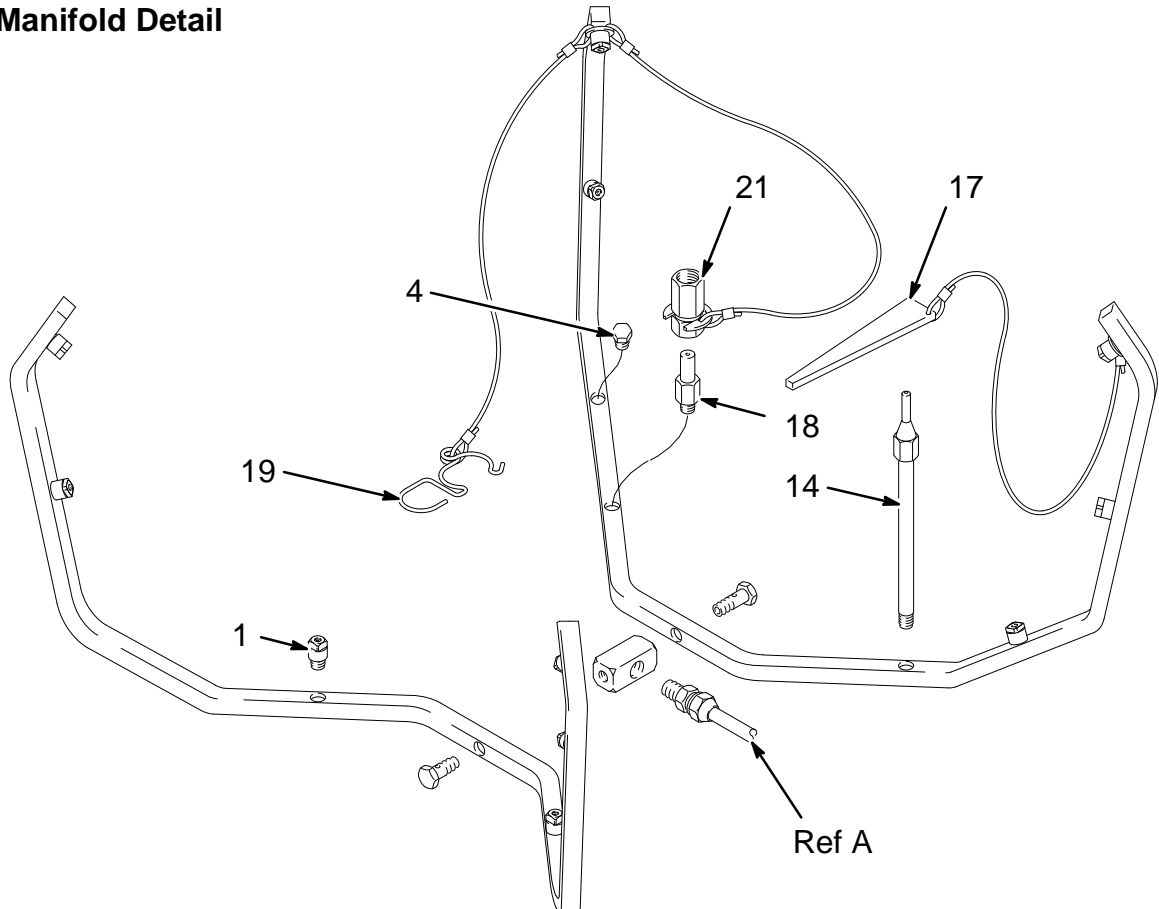


PARTS LIST

Model 110–485 Gun Washer

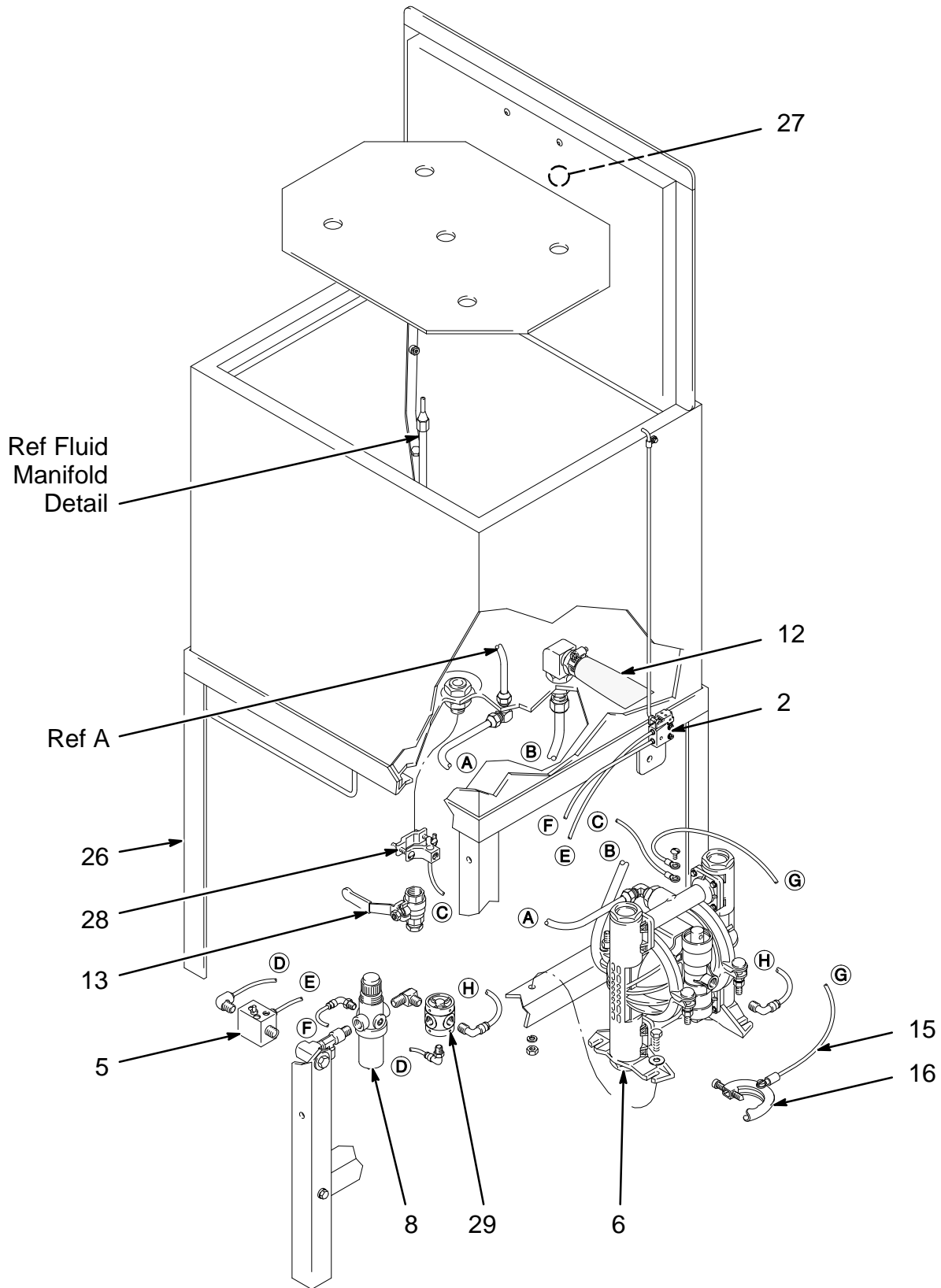
REF NO.	PART NO.	DESCRIPTION	QTY	REF NO.	PART NO.	DESCRIPTION	QTY
1	512-799	NOZZLE, spray; brass	11	19	512-802	TRIGGER LOCK, wire; stainless steel	1
2	512-803	SWITCH, air cut-off	1	21	512-835	ADAPTER, fluid inlet, PRO-gun; brass	1
4	512-827	PLUG; brass	1	23	512-867	ROD, gun holder	1
5	512-804	BLOCK, reset valve	1	26	110-566	STAND, gun washer	1
6**	220-617	PUMP, Husky 715; See manual 307-855 to order parts	1	27*	186-527	LABEL, warning, gun washer	1
8	512-838	REGULATOR, air filter	1	28	513-049	JUMPER, ground	2
12	513-290	FILTER, fluid	1	29	104-633	VALVE, pilot	1
13	102-646	VALVE, fluid drain; brass	1	<p><i>*Warning labels available at no charge from Graco.</i></p> <p><i>** If a pump is ordered, the replacement pump's manifold must be rotated before installing it on the gun washer. See manual 307-855.</i></p>			
14	512-800	GUN SUPPORT, long; brass	1				
15	512-871	WIRE, grounding	1				
16	103-538	CLAMP, grounding	1				
17	512-801	TRIGGER LOCK; plastic	1				
18	512-884	GUN SUPPORT, short; brass	1				

Fluid Manifold Detail



01285



PARTS DRAWING



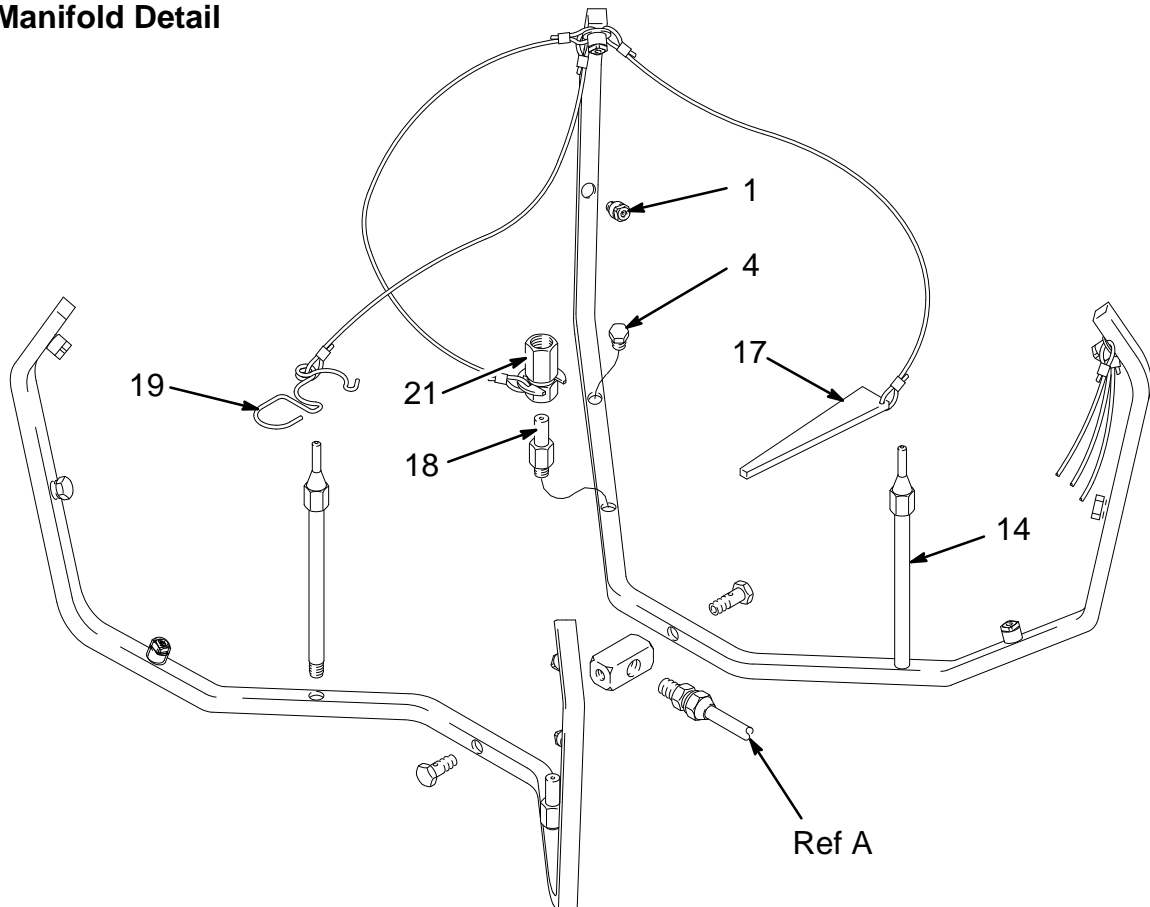
01286

PARTS LIST

Model 110–486 Gun Washer

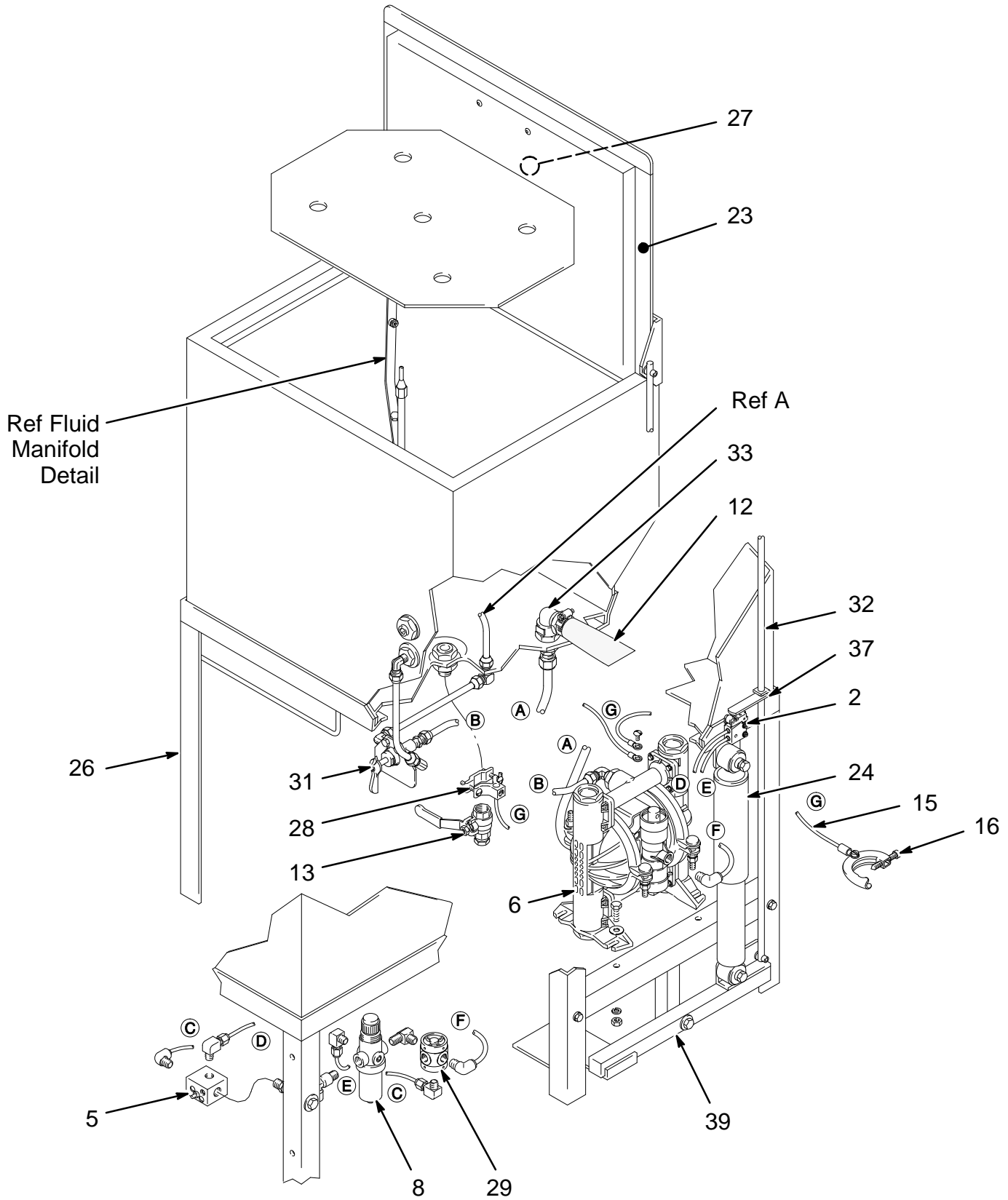
REF NO.	PART NO.	DESCRIPTION	QTY	REF NO.	PART NO.	DESCRIPTION	QTY
1	512-799	NOZZLE, spray; brass	8	19	512-802	TRIGGER LOCK, wire; stainless steel	2
2	512-803	SWITCH, air cut-off	1	21	512-835	ADAPTER, fluid inlet, PRO-gun; brass	2
4	512-827	PLUG; brass	4	26	110-567	STAND, gun washer	1
5	512-804	BLOCK, reset valve	1	27*	186-527	LABEL, warning, gun washer	1
6 	220-617	PUMP, Husky 715; See manual 307-855 to order parts	1	28	513-049	JUMPER, ground	1
8	512-838	REGULATOR, air filter	1	29	104-633	VALVE, pilot	1
12	513-290	FILTER, fluid	1	* Replacement Danger and Warning labels, tags and cards are available at no cost.			
13	102-646	VALVE, fluid drain; brass	1				
14	512-800	GUN SUPPORT, long; brass	2	 When replacing a pump, the pump's manifold must be rotated before installing it on the gun washer. Refer to manual 307-855.			
15	512-871	WIRE grounding	1				
16	103-538	CLAMP, grounding	1				
17	512-801	TRIGGER LOCK; plastic	2				
18	512-884	GUN SUPPORT, short; brass	2				

Fluid Manifold Detail



01287A



PARTS DRAWING



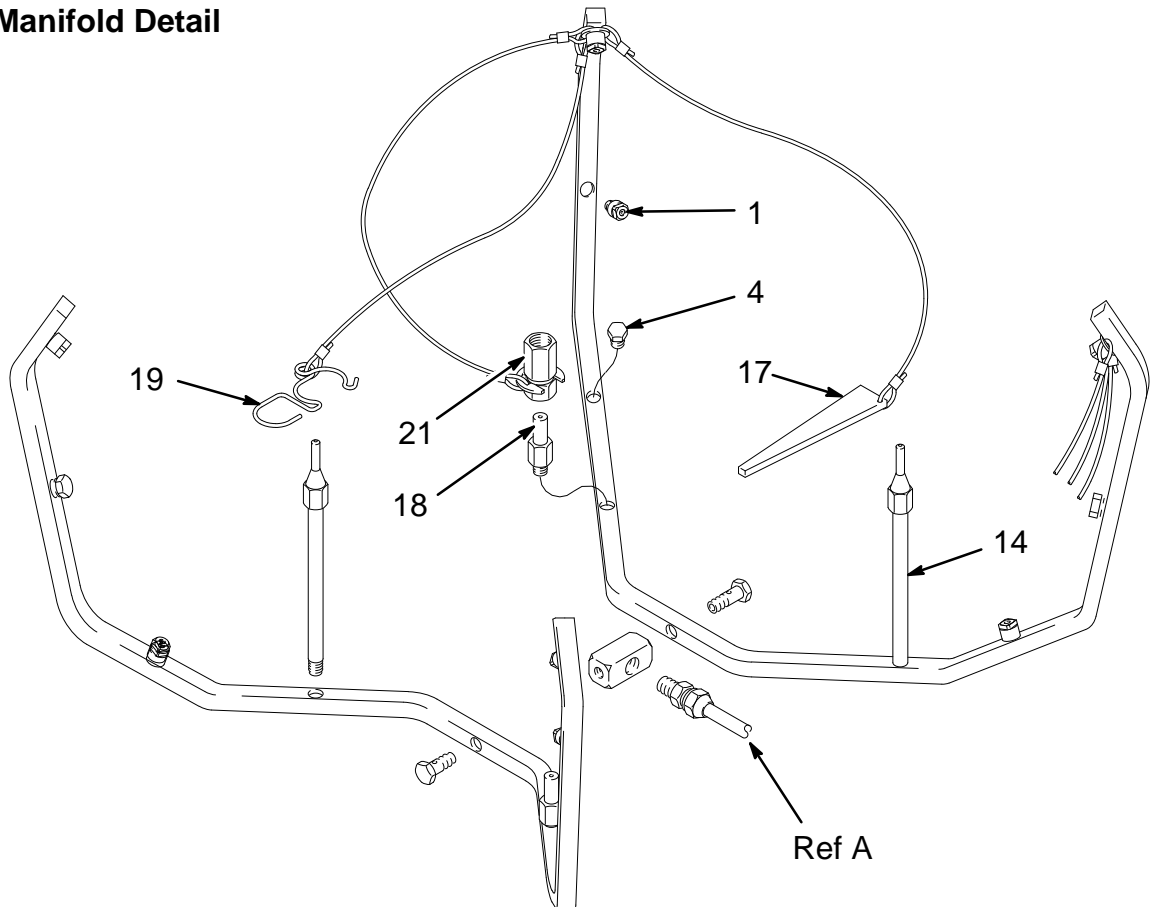
01288

PARTS LIST

Model 110–487 Gun Washer

REF NO.	PART NO.	DESCRIPTION	QTY	REF NO.	PART NO.	DESCRIPTION	QTY
1	512-799	NOZZLE, spray; brass	8	23	513-284	GASKET, lid	1
2	512-803	SWITCH, air cut-off	1	24	512-868	SHOCK ABSORBER	1
4	512-827	PLUG; brass	4	26	110-568	STAND, gun washer	1
5	512-804	BLOCK, reset valve	1	27*	186-527	LABEL, warning, gun washer	1
6 	220-617	PUMP, Husky 715; See manual 307-855 to order parts	1	28	513-049	JUMPER, ground	2
8	512-838	REGULATOR, air filter	1	29	104-633	VALVE, pilot	1
12	513-290	FILTER, fluid inlet	1	31	948-598	HOSE WASHING KIT	1
13	102-646	VALVE, fluid drain; brass	1	32	513-285	ROD, lid opener	1
14	512-800	GUN SUPPORT, long; brass	2	33	513-292	ELBOW, inlet filter; stainless steel	1
15	512-871	WIRE, grounding	1	37	513-305	ROD, trip	1
16	103-538	CLAMP, grounding	1	39	512-866	FOOT PEDAL ASSY.	1
17	512-801	TRIGGER LOCK; plastic	2	<p>* Replacement Danger and Warning labels, tags and cards are available at no cost.</p> <p> When replacing a pump, the pump's manifold must be rotated before installing it on the gun washer. Refer to manual 307-855.</p>			
18	512-884	GUN SUPPORT, short; brass	2				
19	512-802	TRIGGER LOCK, wire; stainless steel	2				
21	512-835	ADAPTER, fluid inlet, PRO-gun brass	2				

Fluid Manifold Detail



01287A

TECHNICAL DATA

Air Pressure Operating Range

Model 110-484 30–100 psi (2–7 bar)

Model 110-485 25–100 psi (1.7–7 bar)

Model 110-486 25–100 psi (1.7–7 bar)

Model 110-487 25–100 psi (1.7–7 bar)

Maximum Tank Capacity 5 gal. (19 liters)

Air Inlet 1/4 npt(f)

Approximate Dry Weight

Model 110-484 69 lbs. (31.1 kg)

Model 110-485 76 lbs. (34.2 kg)

Model 110-486 86 lbs. (38.7 kg)

Model 110-487 90 lbs. (40.5 kg)

Wetted Parts

Model 110-484 Carbon Steel,
Polyethylene (tank), Aluminum, Zinc-plated
Steel, Chrome-plated Steel, Stainless Steel,
Brass, Teflon®, Nylon,

Model 110-485 Carbon Steel,
Polyethylene (tank), 303 Stainless Steel, Alumi-
num, Brass, Teflon®, Acetal

Model 110-486 Stainless Steel,
Chrome-plated Carbon Steel, Aluminum, Brass,
Acetal, Teflon®

Model 110-487 Stainless Steel, Brass,
Acetal, Teflon®

*Teflon® is a registered trademark of the DuPont
Company.*

MANUAL CHANGE SUMMARY

This manual was changed from Revision A to Revision B to correct the Fluid Manifold configurations for Models 110-486 and 110-487 (pages 19 & 21). In the Technical Data section, Model numbers were inserted under "Wetted Parts."

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**

Sales Offices: Atlanta, Chicago, Dallas, Detroit, Los Angeles, Mt. Arlington (N.J.)
Foreign Offices: Canada; England; Korea; Switzerland; France; Germany; Hong Kong; Japan

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

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