### Instructions—Parts List

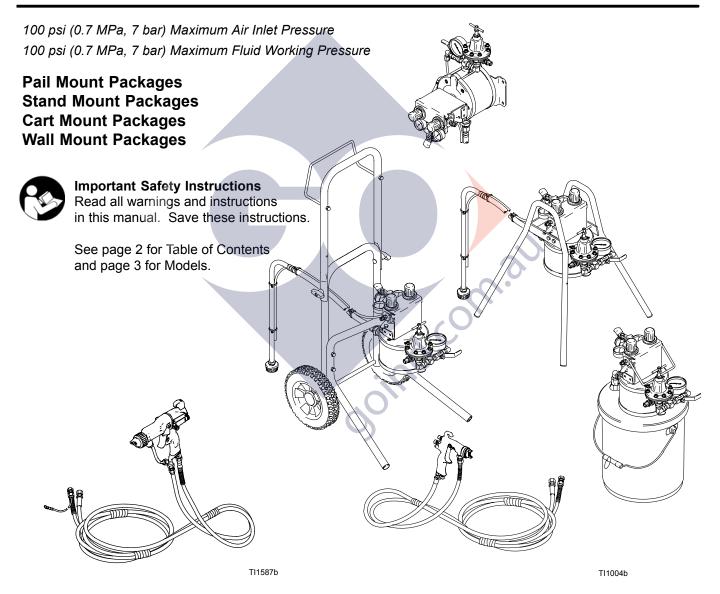




# ALUMINUM AND STAINLESS STEEL, 1:1 RATIO $\overset{\text{\tiny R}}{\text{Triton}}$ 308 **Spray Packages**

309304P

ΕN



Electrostatic packages

Air Spray packages and HVLP packages



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## **Models**

Spray Package Description	Pail Mount,	Stand Mount,	Cart Mount,	Wall Mount,
	Series	Series	Series	Series
Aluminum Pump,	233466,	233473,	233480,	233487,
No Gun	A	A	A	A
Stainless Steel Pump,	233467,	233474,	233481,	233488,
No Gun	A	A	A	A
Aluminum Pump,	233468,	233475,	233482,	233489,
AirPro Conventional Gun	C	C	C	C
Stainless Steel Pump,	233469,	233476,	233483,	233490,
AirPro Conventional Gun	C	C	C	C
Aluminum Pump,	233470,	233477,	233484,	233491,
AirPro HVLP Spray Gun	C	C	C	C
Stainless Steel Pump,	233471,	233478,	233485,	233492,
AirPro HVLP Spray Gun	C	C	C	C
Aluminum Pump,	234911,	234913,	234915,	234917,
AirPro Compliant Spray Gun	B	B	B	B
Stainless Steel Pump,	234912,	234914,	234916,	234918,
AirPro Compliant Spray Gun	B	B	B	B
Aluminum Pump,	233741,	233743,	233746,	233748,
Pro Xp 40 Electrostatic Spray Gun	C	B	C	B
Aluminum Pump,	233742,	233744,	233747,	233749,
Pro Xp 60 Electrostatic Spray Gun	C	B	C	B
Stainless Steel Pump, AirPro HVLP Waterborne Gun	N/A	N/A	289632, A	289622, A
Stainless Steel Pump, AirPro Compliant Waterborne Gun	N/A	N/A	289633, A	289623, A
Stainless Steel Pump, AirPro Conventional Waterborne Gun	N/A	N/A	289634, A	289624, A
Stainless Steel Pump,	289642,	N/A	289635,	289625,
AirPro HVLP Stain Spray Gun	A		A	A
Stainless Steel Pump,	289643,	N/A	289636,	289626,
AirPro Compliant Stain Spray Gun	A		A	A
Stainless Steel Pump,	289644,	N/A	289637,	289627,
AirPro Conventional Stain Spray Gun	A		A	A
Aluminum Pump,	289645,	N/A	289638,	289628,
AirPro HVLP Stain Spray Gun	A		A	A
Aluminum Pump,	289646,	N/A	289639,	289629,
AirPro Compliant Stain Spray Gun	A		A	A
Aluminum Pump,	289647,	N/A	289640,	289630,
AirPro Conventional Stain Spray Gun	A		A	A
Aluminum Pump,	289648,	289649,	289641,	289631,
Pro Xp 85 Electrostatic Spray Gun	C	B	C	B

## **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 corresponding instructions.

## WARNING



#### PRESSURIZED FLUID HAZARD

Spray from the gun, hose leaks, or ruptured components can splash fluid in the eyes or on the skin and cause serious injury.

- Do not stop or deflect fluid leaks with your hand, glove, or rag.
- Follow the Pressure Relief Procedure on page 10 before cleaning, checking, or servicing the
  equipment.
- Tighten all fluid connections before each use.
- Check the hoses, tubes, and couplings daily. Replace parts immediately if worn, damaged, or loose. Permanently coupled hoses cannot be repaired.



#### FIRE AND EXPLOSION HAZARD

Improper grounding, poor air ventilation, open flames, or sparks can cau<mark>se a</mark> hazardous condition and result in fire or explosion and serious injury.



- Ground the equipment, the object being sprayed, and all other electrically conductive objects in the spray area. See **Grounding** on page 10.
- Electrostatic guns require special grounding procedures. If your package includes an electrostatic spray gun, read and follow all grounding instructions in the gun manual 3A2494.
- If there is any static sparking while using the equipment, **stop spraying immediately**. Identify and correct the problem.
- Provide fresh air ventilation to avoid the buildup of flammable vapors from the solvent or the fluid being sprayed.
- Do not smoke in the spray area.
- Extinguish all open flames or pilot lights in the spray area.
- Do not turn on or off any light switch in the spray area.
- Electrically disconnect all equipment in the spray area.
- Keep the spray area free of debris, including solvent, rags, and gasoline.
- Do not operate a gasoline engine in the spray area.

### WARNING



## INSTRUCTIONS

#### **EQUIPMENT MISUSE HAZARD**

Equipment misuse can cause the equipment to rupture, malfunction, or start unexpectedly and result in a serious injury.



- This equipment is for professional use only.
- Read all the instruction manuals, tags, and labels before operating the equipment.
- Use the equipment only for its intended purpose. If you are uncertain about usage, call your Graco distributor.
- Do not alter or modify this equipment. Use only genuine Graco parts and accessories.
- Check the equipment daily. Repair or replace worn or damaged parts immediately.
- Do not exceed the maximum working pressure of the lowest rated system component. This package has a 100 psi (0.7 MPa, 7 bar) maximum working pressure.
- Use fluids that are compatible with the equipment wetted parts. See the Technical Data section of all the equipment manuals. Read the fluid manufacturer's warnings.
- Aluminum pumps only: Never use 1.1.1-trichloroethane, methylene chloride, other halogenated hydrocarbon solvents or fluids containing such solvents in pressurized aluminum equipment. Such use could result in a chemical reaction, with the possibility of explosion.
- Route the hoses away from traffic areas, sharp edges, moving parts, and hot surfaces. Do not expose Graco hoses to temperatures above 180°F (82°C) or below -40°F (-40°C).
- Do not use the hoses to pull equipment.
- Wear hearing protection when operating this equipment.
- Comply with all applicable local, state, and national fire, electrical, and other safety regulations.



#### TOXIC FLUID HAZARD

Hazardous fluids or toxic fumes can cause a serious injury or death if splashed in the eyes or on the skin, swallowed, or inhaled.

- Know the specific hazards of the fluid you are using. Read the fluid manufacturer's warnings.
- Store hazardous fluid in an approved container. Dispose of the hazardous fluid according to all local, state, and national guidelines.
- Wear appropriate protective clothing, gloves, eyewear, and respirator.
- If the pump diaphragm fails, hazardous fluid may be exhausted along with the air.

## **Component Identification**

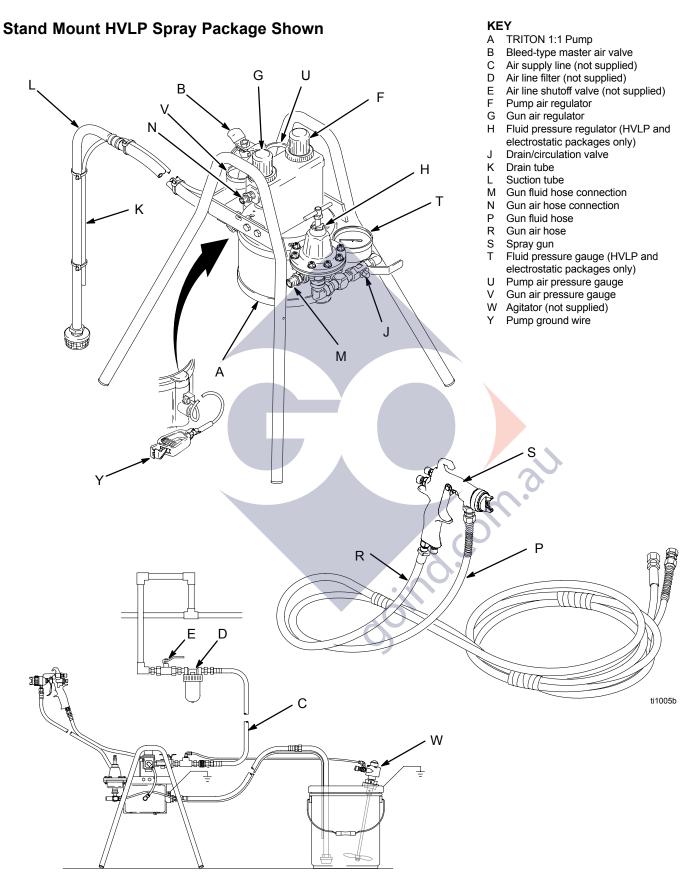


Fig. 1

### **A** CAUTION

Use a stainless steel package to spray waterborne, acid-catalyzed, or 2-component materials. Use of aluminum packages with these materials is not recommended. See the wetted parts in the **Technical Data** section of each component manual, and your fluid and solvent manufacturer's compatibility information.

### **▲ 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.

- Read TOXIC FLUID HAZARD on page 5.
- Use fluids and solvents that 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.

#### General Information

- Always use Genuine Graco Parts and Accessories, available from your Graco distributor. If you supply your own accessories, be sure they are adequately sized and pressure rated for your system.
- Reference numbers and letters in parentheses refer to the callouts in the Figs. and the parts lists starting on page 12.

### **Preparing the Site**

- Ensure that you have an adequate compressed air supply for the pump and gun. Refer to the separate pump and gun manuals for air consumption data.
- Clear obstacles and debris that could cause an unsafe operating environment.
- Have a grounded, metal pail available for use when flushing the spray package.
- Bring an air supply line (C) from the main air supply to the pump location. Install an accessory air filter (D) on the compressed air line to filter dirt and moisture from the air supply. Install a shutoff valve (E) to isolate the filter for cleaning.
- When the bleed-type master air valve (B) is closed and the pump air regulator (F) and gun air regulator (G) are opened, it relieves all air pressure to the system components.
- Ventilate the spray booth.

### **A 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.

### **Pump Outlet Fluid Filter Accessories**

To install a fluid filter on the pump outlet, order a filter (AA), swivel (BB), and nipple (CC). Refer to Table 1 for the part numbers you must order for an aluminum or a stainless steel package.

Refer to Fig. 2. Install the fluid filter between the pump fluid outlet and the gun fluid hose connection. If a fluid regulator (H) is present, it must be rotated so the gauge (T) will clear the filter.

Table 1: Installing a Fluid Filter

Fluid Filter (AA)	Swivel (BB)	Nipple (CC)
114361; nylon; 150 psi; 80 mesh; for aluminum or stainless steel packages	235207; 3/8 npt(m) x 3/8 npsm(f); sst	166863; 1/4 npt x 3/8 npt; sst
235677; aluminum; 3000 psi; 60 mesh; for aluminum packages	157705; 1/4 npt(m) x 3/8 npsm(f); cst	165198; 1/4 npt x 3/8 npt; cst
223160; sst; 5000 psi; 60 mesh; for stainless steel packages	235207; 3/8 npt(m) x 3/8 npsm(f); sst	166863; 1/4 npt x 3/8 npt; sst

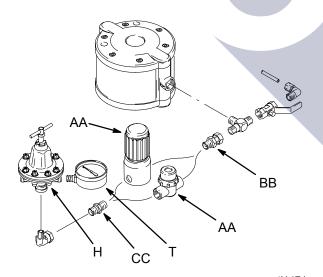


Fig. 2 \_\_\_\_\_\_\_ti1471a

#### **Gun Inlet Filter**

To install a filter between the hose and gun inlet, order Filter 915921, 100 mesh, 500 psi, sst, 3/8 npsm (m x f).

#### Agitator Kit 245081

Part No. 245081 Agitator Kit is available for the TRITON Sprayer Packages as an accessory. The kit must be ordered separately. Instructions are included.

#### Fluid Suction Line

- The pump fluid inlet is 3/4 npt(f). Screw the suction line (L) into the pump inlet snugly. Use a compatible liquid thread sealant on connections to prevent air from getting into the fluid line.
- Do not pressure feed this pump.
- See the **Technical Data** in the pump manual 309303 for maximum suction lift.

### Preparing the Operator

Anybody who operates this system should be trained in the safe, efficient operation of all system components. At a minimum, all operators should thoroughly read the TRITON operation manual, 309305.

#### **Related Manuals**

309305	TRITON™ 308 Spray Package Operation
309303	TRITON™ 308 Pump
312414	AirPro Conventional, HVLP, and Compliant Gun
3A2494	Pro Xp Electrostatic Air Spray Guns
308325	Acetal Fluid Regulator
307212	Stainless Steel Fluid Regulator
309306	Agitator Kit

#### **Wall Mount Packages**

**NOTE:** Refer to Fig. 3 and to the Wall Mounting Template on page 21.

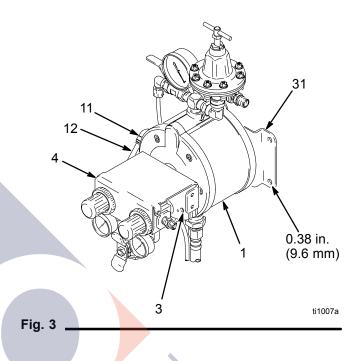
- 1. Ensure that the wall is strong enough to support the weight of the pump and accessories, fluid, hoses, and stress caused during pump operation.
- Use the Wall Mounting Template on page 21 to set the position of the wall bracket. The top edge of the bracket should be 4 to 5 ft (1.2 to 1.5 m) above the floor. Verify that the dimensions are exact and the hole locations are level before drilling the holes.

**NOTE:** It is easier to mount the wall bracket (31) if the control bracket (4) and pump (1) are removed. Disconnect the air tube (12) from the elbow (11), then loosen the two screws (3) and lift the control bracket (4) off the screws. To remove the pump (1), remove the screws (3) entirely.

3. Using the template, drill four 0.38 in. (9.6 mm) diameter holes in the wall. Attach the bracket with anchors and screws that are long enough to keep the bracket from vibrating during operation. Check that the bracket is level.

#### **Suction Kit Accessories**

Suction kits are available for the wall mount packages, as an accessory. The kits must be ordered separately. Refer to Table 2 for information.



**Table 2: Wall Mount Suction Kits** 

Part No.	Suction Kit Description	Hose Length	Tube Length
245082	Aluminum, 5 gal pail size, with strainer	4 ft (1.2 m)	17 in. (0.43 m)
245083	Stainless Steel, 5 gal pail size, with strainer	4 ft (1.2 m)	17 in. (0.43 m)
245084	Aluminum, 55 gal drum size, with bung adapter	6 ft (1.8 m)	38 in. (0.96 m)
245085	Stainless Steel, 55 gal drum size, with bung adapter	6 ft (1.8 m)	38 in. (0.96 m)

#### Grounding

### **A** WARNING

To reduce the risk of static sparking, the entire system must be grounded. Check your local electrical code for detailed grounding instructions for your area and type of equipment. Ground all of this equipment. Also read **FIRE AND EXPLOSION HAZARD** on page 4.

- Spray package: One end of the ground wire is already connected to the pump. Connect the clamp end of the ground wire to a true earth ground.
- Packages with Pro Xp electrostatic guns: Make sure you read all of the grounding instructions and warnings in your gun instruction manual 3A2494.
- Air compressor: Follow the manufacturer's recommendations.
- Object being sprayed: Follow the local code.
- Fluid supply container. Follow the local code.
- All solvent pails used when flushing: Follow the 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.

#### Flush Pump Before First Use

The pump was tested in lightweight oil. If the test solution could contaminate the fluid you are pumping, flush the pump thoroughly with a compatible solvent. Refer to the Operation Manual 309305 for flushing instructions.

#### Pressure Relief Procedure

### **▲** WARNING

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

- Stop spraying
- Are instructed to relieve pressure
- Check or service any system equipment
- Install, clean, or change spray nozzles
- 1. Close the bleed-type master air valve (B) to relieve the air pressure.
- On electrostatic guns only, turn the ES ON/OFF lever to OFF.
- 3. Hold the gun (B) firmly against a grounded metal pail and trigger the gun to relieve the fluid pressure.
- Place the drain tube (K) in a waste pail. Open the drain/circulation valve (J) to relieve any fluid pressure trapped in the system.

## **Maintenance**

See the separate component instruction manuals for individual component maintenance procedures.

### **Daily Maintenance**

Check the hoses, tubes, and couplings daily. Tighten all fluid connections before each use.

#### Flushing the System

Flush the system at the following times:

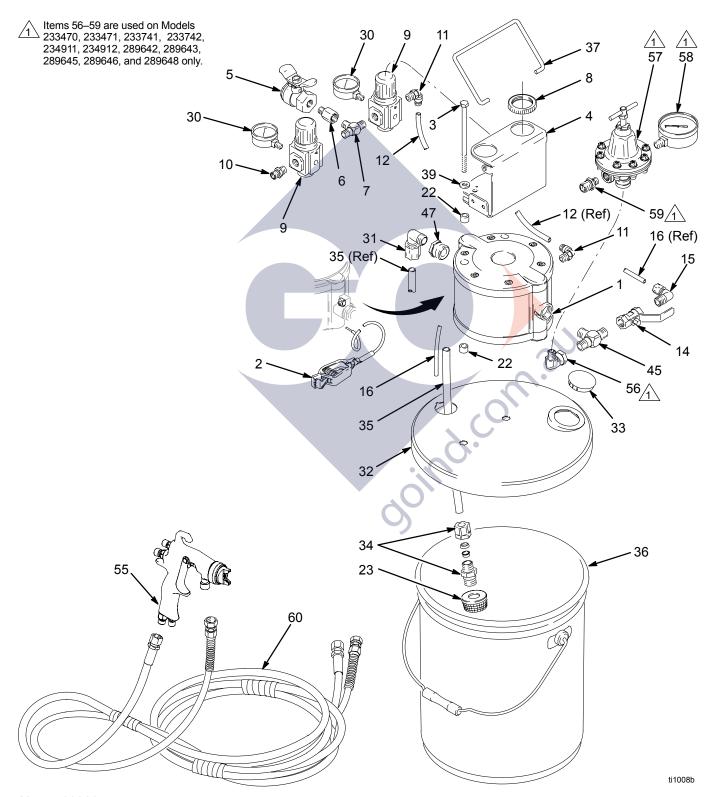
- Before the first-time use
- When changing colors
- Before fluid can dry or settle out in a dormant system
- Before storing the system

## **Troubleshooting**

PROBLEM	CAUSE	SOLUTION
Pump will not run.	Closed air line valve.	Open valve.
	Inadequate air supply, or clogged/restricted air line.	Increase air supply. Do not exceed maximum air inlet pressure.
		Open or clear air line.
		Clean air filter.
	Clogged fluid line or spray gun.	Clear, service. Do not allow fluid to set up in the pump and lines.
	Stuck or damaged pump air valve.	Service pump. Use filtered air.
	Ruptured diaphragm.	Service pump.
Pump runs sluggishly.	Worn or damaged spool o-rings.	Service pump.
Pump runs erratically.	Clogged suction line or inlet strainer.	Clear.
	Sticking or leaking check valves.	Service pump.
Pump runs too fast.	Exhausted fluid supply.	Refill fluid supply and prime sprayer.
Pump cycles at stall or fails to hold pressure at stall.	Worn check valves or o-rings.	Service pump.
Audible air leak.	Worn air valve cup or plate.	Service pump.
Air bubbles in fluid.	Loose suction line.	Tighten. Use a compatible liquid thread sealant on connections.
Poor finish or irregular spray pattern.	Incorrect fluid or air pressure at gun.	See gun manual; read fluid manufacturer's recommendations.
		Use fluid regulator.
	Fluid is too thin or too thick.	Adjust fluid viscosity; read fluid manufacturer's recommendations.
	Dirty, worn, or damaged spray gun.	Service gun.
	Fluid is settling out.	Use agitator. Order Part No. 245081 Agitator Kit.

Pail Mount Packages (see model descriptions on page 3)

Models 233466, 233467, 233468, 233469, 233470, 233471, 234911, 234912, 233741, 233742, 289642, 289643, 289644, 289645, 289646, 289647, and 289648.

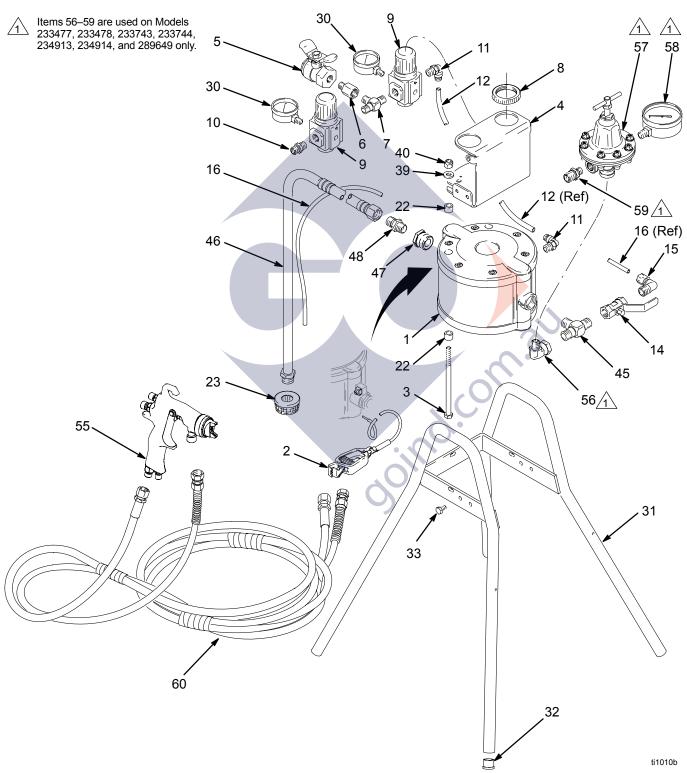


### Pail Mount Packages (see model numbers on page 12)

Ref.				Ref.			
No.	Part No.	Description	Qty.	No.	Part No.	Description C	Qty.
1	233500	PUMP, diaphragm; aluminum; for 233466, 233468, 233470, 233742	1 <i>41</i> ,	55	288931	GUN, AirPro Conventional; for 233468, 233469; see manual 312414	1
	233501	PUMP, diaphragm; sst; for 233467, 233469, 233471	1		288938	GUN, AirPro HVLP spray; for 233470, 233471;	1
2	238909	GROUND WIRE & CLAMP ASSY	1			see manual 312414	
3	116311	SCREW, cap, hex hd;	2		288945	GUN, AirPro Compliant spray;	1
		5/16 unc x 5.5 in. (140 mm)				for 234911, 234912;	
4	197126	BRACKET, control	1		L 40T10	see manual 312414	4
5	116473	VALVE, air, bleed-type; 1/4 npt(fbe)	1		L40T10	GUN, Pro Xp 40 electrostatic; for 233741;	1
6	116393	ADAPTER; 1/4 npt (m x f)	1			see manual 3A2494	
7	115219	TEE; 1/4 npt(m)	1		L60T10	GUN, Pro Xp 60 electrostatic;	1
8	116514	NUT, regulator	2		200110	for 233742;	
9	116513	REGULATOR, air	2			see manual 3A2494	
10	162453	NIPPLE; 1/4 npsm x 1/4 npt	1		289110	GUN, AirPro HVLP Stain;	1
11	115948	ELBOW; 1/4 npt(m) x	2			for 289642, 289645;	-
40	la I a a a III	0.312 in. (8 mm) OD tubing	0 5 4			see manual 312414	
12	buy locally		0.5 ft		289111	GUN, AirPro Compliant Stain;	1
1.1	11.1262	0.312 in. (8 mm) OD	1			for 289643, 289646;	-
14 15	114363	VALVE, ball, fluid; sst; 3/8 npt(fbe) ELBOW; 3/8 npt(m) x	1			see manual 312414	
15	116314	0.25 in. (6 mm) OD tubing	'		289109	GUN, AirPro Conventional Stain;	1
16	buy locally		2.2 ft			for 289644, 289647;	
10	buy locally	0.25 in. (6 mm) OD	Z.Z IL			see manual 312414	
22	197449	SPACER	4		L85T10	GUN, Pro Xp 85 electrostatic;	1
23	218798	STRAINER	1			for 289648;	
30	110436	GAUGE, pressure, air	2			see manual 3A2494	
31	116315	ELBOW; 3/8 npt(m) x	$\frac{1}{1}$	56	116395	ELBOW; cst; 1/4 npt(m) x 3/8 npt(f)	1
		0.5 in. (13 mm) OD tubing				swivel; for 233470, 233741, 233742	
32	197298	COVER, pail; cst;	1		207123	ELBOW; sst; 3/8 npt(m) x	1
		for 233466, 233468, 233470, 23374	1,			3/8 npsm(f) swivel;	
		233742				for 233471	
	197216	COVER, pail; sst;	1	57	241976	REGULATOR, fluid, acetal;	1
		for 233467, 233469, 233471			0.	0–30 psi (0–0.2 MPa, 0–2 bar) range;	
33	111813	PLUG, button	1			includes gauge; for 233470, 233741,	
34	116316	FITTING, straight; 1/2 npt(m) x	1		214895	233742; see manual 308325	4
		0.5 in. (13 mm) OD tubing			214695	REGULATOR, fluid; sst; 0–100 psi (0–0.6 MPa, 0–7 bar) range	1
35	197971	TUBE, suction; polyethylene;	1			for 233471; see manual 307212	<b>;</b> ,
		0.5 in. (13 mm) OD x 14.5 in. (368 m	nm) .	58	187874	GAUGE, pressure, fluid;	1
36	101108	PAIL, 5 gal. (19 l); steel	1	30	107074	sst; for 233471	
37	197127	HANDLE, pail mount	1	59	165198	NIPPLE; cst; 1/4 npt x 3/8 npt;	1
39	104034	WASHER; 5/16 size	2	00	100100	for 233470, 233741, 233742	•
45	113786	TEE; cst; 3/8 npt(m); for 233466, 233468, 233470, 23374	1 :1,		171195	NIPPLE; sst; 3/8 npsm x 3/8 npt; for 233471	1
		233742		60	233499	HOSE ASSY; sst fittings;	1
	116400	TEE; sst; 3/8 npt(m);	1	00	200-00	3/8 npsm(f) nylon fluid hose;	
47	440050	for 233467, 233469, 233471	0 4			1/4 npsm(f) air hose; 25 ft (7.6 m);	
47	116350	BUSHING; sst; 3/4 npt(m) x 3/8 npt(	f) 1			for 233469, 233471, 233468, 233470	
					240425	HOSE ASSY, electrostatic;	1
					0 .20	3/8 npsm(f) nylon fluid hose;	•
						1/4 npsm(f) air hose with ground wire	
						and left-hand thread; 25 ft (7.6 m);	
						for 233741, 233742, and 289648	
						, ,	

Stand Mount Packages (see model descriptions on page 3)

Models 233473, 233474, 233475, 233476, 233477, 233478, 234913, 234914, 233743, 233744, and 289649

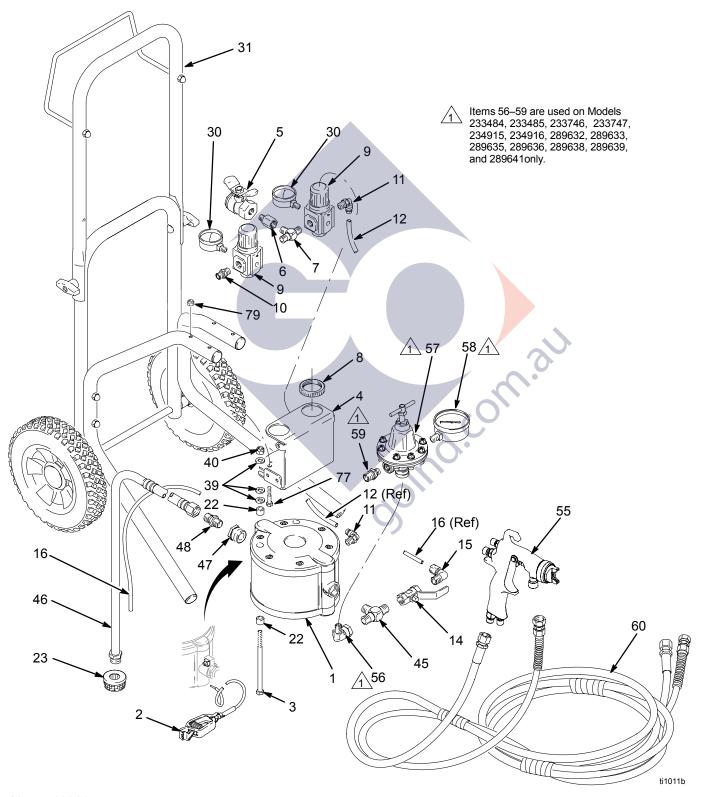


### Stand Mount Packages (see model numbers on page 14)

Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description Q	Qty.
1	233500	PUMP, diaphragm; aluminum; for 233473, 233475, 233477, 233742	1 43,	55	288931	GUN, AirPro Conventional; for 233475, 233476;	1
	233501	PUMP, diaphragm; sst; for 233474, 233476, 233478	1		288938	see manual 312414 GUN, AirPro HVLP spray; for 233477, 233478;	1
2	238909 116311	GROUND WIRE & CLAMP ASSY SCREW, cap, hex hd; 5/16 unc x 5.5 in. (140 mm)	1 2		288945	see manual 312414 GUN, AirPro Compliant spray;	1
4 5	197126 116473	BRACKET, control VALVE, air, bleed-type; 1/4 npt(fbe)	1			for 234913, 234914; see manual 312414	
6 7	116393 115219	ADAPTER; 1/4 npt (m x f) TEE; 1/4 npt(m)	1		L40T10	GUN, Pro Xp 40 electrostatic; for 233743;	1
8 9	116514 116513	NUT, regulator REGULATOR, air	2 2		L60T10	see manual 3A2494 GUN, Pro Xp 60 electrostatic; for 233744;	1
10 11	162453 115948	NIPPLE; 1/4 npsm x 1/4 npt ELBOW; 1/4 npt(m) x 0.312 in. (8 mm) OD tubing	1 2		L85T10	see manual 3A2494 GUN, Pro Xp 85 electrostatic; for 289649;	1
12 14	buy locally 114363	TUBE; polyethylene; 0.312 in. (8 mm) OD VALVE, ball, fluid; sst; 3/8 npt(fbe)	0.5 ft	56	116395	see manual 3A2494 ELBOW; cst; 1/4 npt(m) x 3/8 npt(f)	1
15	116314	ELBOW; 3/8 npt(m) x 0.25 in. (6 mm) OD tubing	1		207123	swivel; for 233477, 233743, 233744 ELBOW; sst; 3/8 npt(m) x	1
16	buy locally	TUBE; polyethylene; 0.25 in. (6 mm) OD	5.3 ft	<b>57</b>	241076	3/8 npsm(f) swivel; for 233478	4
22 23	197449 218798	SPACER STRAINER	4 1	57	241976	REGULATOR, fluid; acetal; 0–30 psi (0–0.2 MPa, 0–2 bar) range; includes gauge; for 233477, 233743,	1
30 31	110436 218743	GAUGE, pressure, air FRAME, stand, pump	2		04.4005	233744; see manual 308325	
32 33	108175 100333	PLUG, stand SCREW, cap, hex hd;	4 4		214895	REGULATOR, fluid; sst; 0–100 psi (0–0.6 MPa, 0–7 bar) range for 233478;see manual 307212	1 e;
39	104034	1/4–20 x 0.5 in. (13 mm) WASHER; 5/16 size	2	58	187874	GAUGE, pressure, fluid; sst; for 233478	1
40 45	111040 113786	NUT, lock; nylon insert; 5/16–18 TEE; cst; 3/8 npt(m);	2 1	59	165198	NIPPLE; cst; 1/4 npt x 3/8 npt; for 233477, 233743, 233744	1
		for 233473, 233475, 233477, 23374 233744	43,	(	171195	NIPPLE; sst; 3/8 npsm x 3/8 npt; for 233478	1
	116400	TEE; sst; 3/8 npt(m); for 233474, 233476, 233478	1	60	233499	HOSE ASSY; sst fittings; 3/8 npsm(f) nylon fluid hose;	1
46	244432	HOSE, suction; aluminum and LDP for 233473, 233475, 233477	E; 1			1/4 npsm(f) air hose; 25 ft (7.6 m); for 233476, 233478, 233475, 233477	
	244433	HOSE, suction; sst; for 233474, 233476, 233478, 2334			240425	HOSE ASSY, electrostatic; 3/8 npsm(f) nylon fluid hose;	1
47 48	116350 162485	BUSHING; sst; 3/4 npt(m) x 3/8 npt NIPPLE; cst; 3/8 npsm x 3/8 npt; for 233473, 233475, 233477, 23374 233744	1			1/4 npsm(f) air hose with ground wire and left-hand thread; 25 ft (7.6 m); for 233743, 233744, and 289649	
	112100	NIPPLE; sst; 9/16–18 x 3/8 npt; for 233474, 233476, 233478	1				

Cart Mount Packages (see model descriptions on page 3)

Models 233480, 233481, 233482, 233483, 233484, 233485, 234915, 234916, 233746, 233747, 289632, 289633, 289634, 289635, 289636, 289637, 289638, 289639, 289640, and 289641

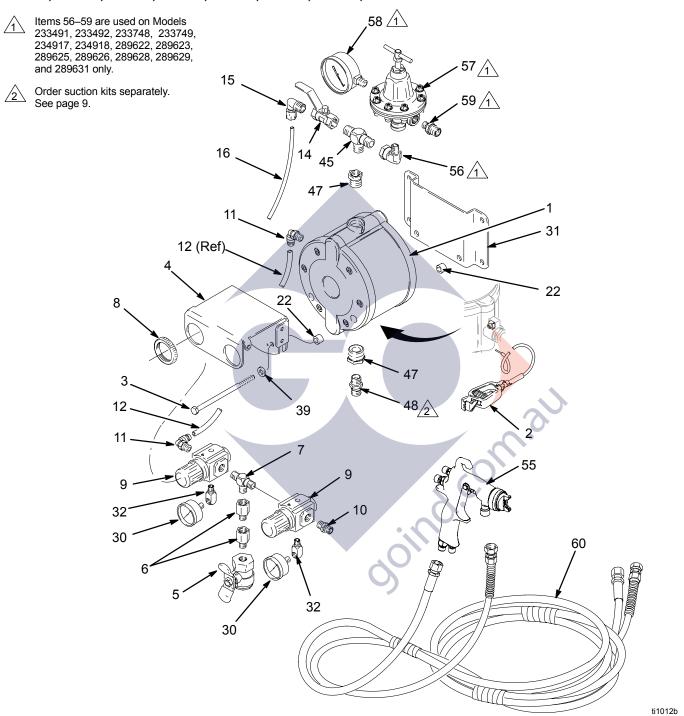


### Cart Mount Packages (see model numbers on page 16)

Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
		•	-	140.		-	-
1	233500	PUMP, diaphragm; aluminum; for 233480, 233482, 233484, 2337 233747	1 46,		288966, 28	188938, 288945, 244399, 288969, 2889 189110, 289111, and 289109 see manua	
	233501	PUMP, diaphragm; sst; for 233481, 233483, 233485	1		312414 288938	GUN, AirPro HVLP spray; for 233484, 233485	1
2	238909	GROUND WIRE & CLAMP ASSY	1		288945	GUN, AirPro Compliant spray;	1
3	116311	SCREW, cap, hex hd;	2		200010	for 234915, 234916	•
4	197126	5/16 unc x 5.5 in. (140 mm) BRACKET, control	1		288969	GUN, AirPro HVLP Waterborne; for 289632	1
5	116473	VALVE, air, bleed-type; 1/4 npt(fbe)	1		288972	GUN, AirPro Compliant Waterborne;	1
6	116393	ADAPTER; 1/4 npt (m x f)	1		200912	for 289633	
7	115219	TEE; 1/4 npt(m)	_ 1		288966	GUN, AirPro Conventional Waterborn	1 -م
8	116514	NUT, regulator	2		200300	for 289634	iC, i
9	116513	REGULATOR, air	2		289110	GUN, AirPro HVLP Stain;	1
10	162453	NIPPLE; 1/4 npsm x 1/4 npt	1		209110	for 289635, 289638	
11	115948	ELBOW; 1/4 npt(m) x	2		289111	GUN, AirPro Compliant Stain;	1
		0.312 in. (8 mm) OD tubing			209111	for 289636, 289639	ļ
12	buy locally	TUBE; polyethylene;			280100	GUN, AirPro Conventional Stain;	1
	, ,		0.5 ft		289109	for 289637, 289640	ı
14	114363	VALVE, ball, fluid; sst; 3/8 npt(fbe)	1	EG	116205		4
15	116314	ELBOW; 3/8 npt(m) x	1	56	116395	ELBOW; cst; 1/4 npt(m) x 3/8 npt(f)	1
		0.25 in. (6 mm) OD tubing	<b>V</b>		207122	swivel; for 233484, 233746, 233747	
16	buy locally	TUBE; polyethylene;	<b>Y</b>		207123	ELBOW; sst; 3/8 npt(m) x	1
		0.25 in. (6 mm) OD	5.3 ft			3/8 npsm(f) swivel;	
22	197449	SPACER	4	<b>-</b> 7	044070	for 233485	
23	218798	STRAINER	1	57	241976	REGULATOR, fluid; acetal;	. 1
30	110436	GAUGE, pressure, air	<u>2</u>			0–30 psi (0–0.2 MPa, 0–2 bar) range	
31	233581	CART ASSEMBLY	$\overline{1}$			includes gauge; for 233484, 233746,	
39	104034	WASHER; 5/16 size	6		044005	233747; see manual 308325	
40	111040	NUT, lock; nylon insert; 5/16–18	2		214895	REGULATOR, fluid; sst	1
45	113786	TEE; cst; 3/8 npt(m);	1			0–100 psi (0–0.6 MPa, 0–7 bar) rang	e;
10		for 233480, 233482, 233484, 23374	-	50	407074	for 233485; see manual 307212	_
		233747	70,	58	187874	GAUGE, pressure fluid; sst;	1
	116400	TEE; sst; 3/8 npt(m);	1		405400	for 233485	
	110100	for 233481, 233483, 233485	•	59	165198	NIPPLE; cst; 1/4 npt x 3/8 npt;	1
46	244432	HOSE, suction; aluminum and LDP	F· 1		474405	for 233484, 233746, 233747	_
40	244402	for 233480, 233482, 233484, 2337			171195	NIPPLE; sst; 3/8 npsm x 3/8 npt;	1
		233747	<b>TO</b> ,			for 233485	
	244433	HOSE, suction; sst;	1	60	233499	HOSE ASSY; sst fittings;	1
	244400	for 233481, 233483, 233485	'	ク)		3/8 npsm(f) nylon fluid hose;	
47	116350	BUSHING; sst; 3/4 npt(m) x 3/8 npt(	(f) 1			1/4 npsm(f) air hose; 25 ft (7.6 m);	
48	162485	NIPPLE; cst; 3/8 npsm x 3/8 npt;	1			for 233483, 233485, 233482, 233484	
40	102403	for 233480, 233482, 233484, 23374 233747			240425	HOSE ASSY, electrostatic; 3/8 npsm(f) nylon fluid hose;	1
	112100	NIPPLE; cst, 3/8 npsm x 3/8 npt;				1/4 npsm(f) air hose with ground wire	
	112100	for 233481, 233483, 233485				and left-hand thread; 25 ft (7.6 m);	
55	For guns L	40T10, L60T10, and L85T10				for 233746, 233747, and 289641	
55	see manua	*		77	100058	SCREW, cap, hex hd;	4
			4			1/4–20 x 1.5 in. (38 mm)	
	L40T10	GUN, Pro Xp 40 electrostatic; for 233746	1	79	102040	NUT, lock; nylon insert; 1/4–20	4
	L60T10	GUN, Pro Xp 60 electrostatic; for 233747	1				
	L85T10	GUN, Pro Xp 85 electrostatic; for 289641	1				

Wall Mount Packages (see model descriptions on page 3)

Models 233487, 233488, 233489, 233490, 233491, 233492, 234917, 234918, 233748, 233749, 289622, 289623, 289624, 289625, 289626, 289627, 289628, 289629, 289630, and 289631



### Wall Mount Packages (see model numbers on page 18)

Ref.				Ref.			
No.	Part No.	Description	Qty.	No.	Part No.	Description G	Qty.
1	233500	PUMP, diaphragm; aluminum; for 233487, 233489, 233491, 2337 233749	1 '48,		•	188931, 288945, 288945, 288969, 2889 189110, 289111, and 289109 see manual	-
	233501	PUMP, diaphragm; sst; for 233488, 233490, 233492	1		288969	GUN, AirPro HVLP Waterborne; for 289622	1
2	238909 116311	GROUND WIRE & CLAMP ASSY SCREW, cap, hex hd;	1 2		288972	GUN, AirPro Compliant Waterborne; for 289623	1
4	197126	5/16 unc x 5.5 in. (140 mm) BRACKET, control	1		288966	GUN, AirPro Conventional Waterborn for 289624	e;1
5	116473	VALVE, air, bleed-type; 1/4 npt(fbe)			289110	GUN, AirPro HVLP Stain;	1
6	116393	ADAPTER; 1/4 npt (m x f)	2		200110	for 289625, 289628;	
7	115219	TEE; 1/4 npt(m)	1			see manual 312414	
8	116514	NUT, regulator	2		289111	GUN, AirPro Compliant Stain;	1
9	116513	REGULATOR, air	2		209111	for 289626, 289629	'
10	162453	NIPPLE; 1/4 npsm x 1/4 npt	1		289109	GUN, AirPro Conventional Stain;	1
11	115948	ELBOW; 1/4 npt(m) x	2		209109	for 289627, 289630	'
• •	110010	0.312 in. (8 mm) OD tubing	_	56	116395	ELBOW; cst; 1/4 npt(m) x 3/8 npt(f)	1
12	buy locally	TUBE; polyethylene;		00	110000	swivel; for 233491, 233748, 233749	•
12	buy locally	0.312 in. (8 mm) OD	0.5 ft		207123	ELBOW; sst; 3/8 npt(m) x	1
14	114363	VALVE, ball, fluid; sst; 3/8 npt(fbe)	1		207 120	3/8 npsm(f) swivel;	
15	116314	ELBOW; 3/8 npt(m) x	1			for 233492	
		0.25 in. (6 mm) OD tubing	<b>V</b>	57	241976	REGULATOR, fluid; acetal;	1
16	buy locally	TUBE; polyethylene;				0–30 psi (0–0.2 MPa, 0–2 bar) range;	
	, ,	0.25 in. (6 mm) OD	6.3 ft			includes gauge; for 233491, 233748,	
22	197449	SPACER	4			233749; see manual 308325	
30	108190	GAUGE, pressure, air	2		214895	REGULATOR, fluid; sst	1
31	197426	BRACKET, wall mount	<b>1</b>			0-100 psi (0-0.6 MPa, 0-7 bar) range	э <i>:</i>
32	191892	FITTING, elbow, street; 90°	2			for 233492; see manual 307212	,
39	104034	WASHER; 5/16 size	2	58	187874	GAUGE, pressure, fluid; sst;	1
45	113786	TEE; cst; 3/8 npt(m);	1			for 233492	
		for 233487, 233489, 233491, 23374	48,	59	165198	NIPPLE; cst; 1/4 npt x 3/8 npt;	1
		233749			40	for 233491, 233748, 233749	
	116400	TEE; sst; 3/8 npt(m);	1		171195	NIPPLE; sst; 3/8 npsm x 3/8 npt;	1
		for 233488, 233490, 233492			7.	for 233492	
47	116350	BUSHING; sst; 3/4 npt(m) x 3/8 npt	(f) 1	60	233499	HOSE ASSY; sst fittings;	1
48	162485	NIPPLE; cst; 3/8 npsm x 3/8 npt;	1	• . (		3/8 npsm(f) nylon fluid hose;	
		for 233487, 233489, 233491, 23374	48,			1/4 npsm(f) air hose; 25 ft (7.6 m);	
		233479				for 233490, 233492, 233489, 233491	
	112100	NIPPLE; sst; 9/16–18 x 3/8 npt; for 233488, 233490, 233492	1		240425	HOSE ASSY, electrostatic; 3/8 npsm(f) nylon fluid hose;	1
55	For guns L	40T10, L60T10, and L85T10				1/4 npsm(f) air hose with ground wire	
	see manua					and left-hand thread; 25 ft (7.6 m);	
	L40T10	GUN, Pro Xp 40 electrostatic; for 233748	1			for 233748, 233749, and 289631	
	L60T10	GUN, Pro Xp 60 electrostatic;	1				
		for 233749					
	L85T10	GUN, Pro Xp 85 electrostatic;	1				
		for 289631					

## **Technical Data**

Category	Data
Maximum fluid working pressure	100 psi (0.7 MPa, 7 bar)
Maximum incoming air pressure	100 psi (0.7 MPa, 7 bar)
Maximum operating temperature	120° F (49° C)
Wetted Parts:	
Pump	See pump instruction manual 309303.
Gun	See gun instruction manuals 312414 or 3A2494.
Fluid pressure regulator	See regulator instruction manuals 307212 or 308325.
Fluid hoses, aluminum packages	nylon, nickel-plated carbon steel (cst), LDPE/rubber blend (suction hose), aluminum
Fluid hoses, stainless steel packages	nylon, stainless steel (sst), LDPE/rubber blend (suction hose)
Fluid hoses, electrostatic packages	nylon, nickel-chrome plated carbon steel (cst), LDPE/rubber blend (suction hose)
Fluid fittings, aluminum packages	Zinc-plated carbon steel (cst), stainless steel (sst), polypropylene, polyethylene
Fluid fittings, stainless steel packages	Stainless steel (sst), polypropylene, polyethylene
Pail cover, aluminum packages	Zinc-plated carbon steel (cst)
Pail cover, stainless steel packages	Stainless steel (sst)
Weight (without hoses or gun):	
Pail mount packages	Aluminum: 22 lb (10 kg)
	Stainless Steel: 28 lb (12.7 kg)
Stand mount packages	Aluminum: 20 lb (9.1 kg)
	Stainless Steel: 27 lb (12.3 kg)
Cart mount packages	Aluminum: 30 lb (13.6 kg)
	Stainless Steel: 36 lb (16.4 kg)
Wall mount packages	Aluminum: 19 lb (8.6 kg)
	Stainless Steel: 24 lb (10.9 kg)

### Sound Pressure Levels in dB(A)\* (measured at 1 m from unit)

Input Air Pressures	Sound Pressure
Pump: 20 psi (0.14 MPa, 1.4 bar), Fluid Regulator: 5 psi (0.035 MPa, 0.35 bar)	64.7
Pump: 40 psi (0.28 MPa, 2.8 bar), Fluid Regulator: 15 psi (0.105 MPa, 1.05 bar)	68.5
Pump: 40 psi (0.28 MPa, 2.8 bar), No Fluid Regulator	69.1
Pump: 40 psi (0.28 MPa, 2.8 bar), Circulation Mode	69.2
Pump: 60 psi (0.42 MPa, 4.2 bar), No Fluid Regulator	72.1

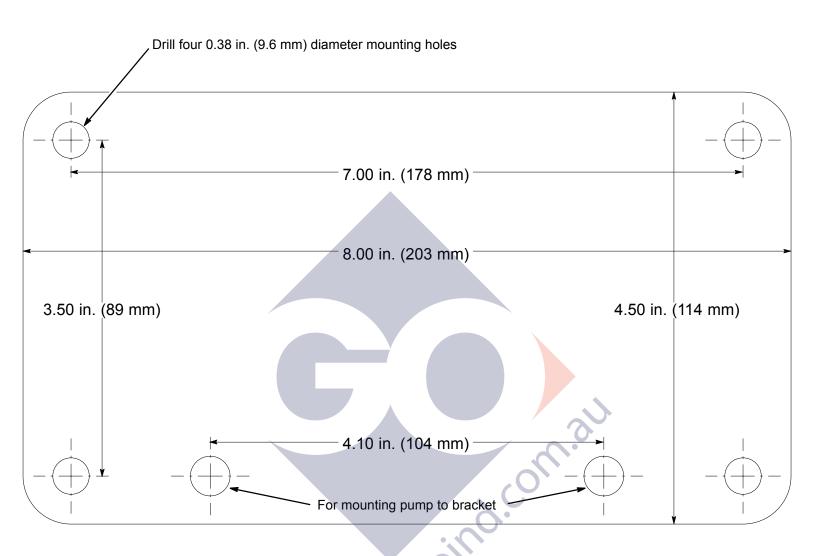
#### Sound Power Levels in dB(A)\* (tested in accordance with ISO 3744)

Input Air Pressures	Sound Power
Pump: 20 psi (0.14 MPa, 1.4 bar), Fluid Regulator: 5 psi (0.035 MPa, 0.35 bar)	76.3
Pump: 40 psi (0.28 MPa, 2.8 bar), Fluid Regulator: 15 psi (0.105 MPa, 1.05 bar)	80.1
Pump: 40 psi (0.28 MPa, 2.8 bar), No Fluid Regulator	80.8
Pump: 40 psi (0.28 MPa, 2.8 bar), Circulation Mode	80.8
Pump: 60 psi (0.42 MPa, 4.2 bar), No Fluid Regulator	83.7

<sup>\*</sup> Sound readings are for bare packages only. Refer to the separate gun manual for gun sound data.

## **Wall Mounting Template**

Use this drawing as a template to drill mounting holes in the wall. Verify that the dimensions are exact and the hole locations are level before drilling the holes.



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