

Sealant Gun

309968 Rev.B

950 Series

100 psi (6.9 bar, 0.69 MPa) Maximum Working Pressure


Size	Palm Grip Gun	Pistol Grip Gun
2.5 oz	C04074	C04076
6 oz	C04087	C04090
12 oz		C04068

Size	Gun Assembly	+ Retainer	Palm Grip = Sealant Gun	Handle + Assembly	Pistol Grip + Sealant Gun
2.5 oz	C04093	C04077	C04074	C04079	C04076
6 oz	C04093	C04091	C04087	C04079	C04090
12 oz	C04093	C04069		C04079	C04068

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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 corresponding instructions.	

Caution Symbol

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

	WARNING
	<p>Injection Hazard High pressure fluid from gun, hose leaks or ruptured components will pierce skin. This may look like just a cut, but it is a serious injury that can result in amputation. Get immediate medical attention.</p> <ul style="list-style-type: none"> Do not point gun at anyone or at any part of the body. Do not put your hand over the spray tip. Do not stop or deflect leaks with your hand, body, glove, or rag. Do not spray without tip guard and trigger guard installed. Engage trigger lock when not spraying. Follow Pressure Relief Procedure in this manual, when you stop spraying and before cleaning, checking, or servicing equipment.
	<p>Equipment Misuse Hazard Misuse can cause serious injury or death.</p> <ul style="list-style-type: none"> Do not exceed the maximum working pressure or temperature rating of the lowest rated system component. See Technical Data in all equipment manuals. Use fluids and solvents that are compatible with equipment wetted parts. See Technical Data in all equipment manuals. Read fluid and solvent manufacturer's warnings. Check equipment daily. Repair or replace worn or damaged parts immediately. Do not alter or modify equipment. Use equipment only for its intended purpose. Call your Graco distributor for information. For professional use only. Route hoses and cables away from traffic areas, sharp edges, moving parts, and hot surfaces. Do not use hoses to pull equipment. Comply with all applicable safety regulations.
	<p>Personal Protective Equipment You must wear appropriate protective equipment when operating, servicing, or when in the operating area of the equipment to help protect you from serious injury, including eye injury, inhalation of toxic fumes, burns, and hearing loss. This equipment includes, but is not limited to:</p> <ul style="list-style-type: none"> Protective eye wear Clothing and respirator as recommended by fluid and solvent manufacturer Gloves Hearing protection

Installation

Sealant Gun



Read this manual thoroughly before installing sealant gun.

Inspect sealant gun for shipping damage. If damaged, notify the carrier immediately.

Manual Applications

The palm and pistol grip sealant guns are used in hand-held applications.

1. Secure gun in a way that allows proper routing of air hose and fitting.
2. Make sure gun does not impede movement of person.

3. Tighten hose connections before operating equipment. The air-powered sealant gun can be supplied air from any standard air pump.
4. Do not exceed maximum working pressure of sealant gun.

Automatic Applications

The palm grip and pistol grip sealant guns are not designed for use in high production operations. Never mount or secure any hand-held gun to a fixture or robot arm.

Air Requirements

For information describing the air pressure requirements, refer to the technical data supplied with the sealant gun.

Operation

Air-Powered Sealant Guns

The 950 Series, air-powered sealant guns dispense adhesives or sealants from 2.5, 6 or 12 ounce polyethylene cartridges. Each size of these lightweight, all metal guns, is available in two styles: pistol grip and palm grip.

The guns feature an interchangeable gun body and actuator with a fast change cartridge knob included. The cartridge retainers are corrosion-resistant, will fit all handles and are made of high strength steel to prevent cartridge splitting under pressure.

In operation, the dispense rate is controlled through air pressure, trigger position and nozzle orifice. When the gun is actuated, air pressure forces the plunger down, inside the cartridge, forcing material out the nozzle. When the trigger is released, pressure is removed and dispensing stops.

Graco cartridges, nozzles and accessories are quality molded from virgin polyethylene (no reprocessed material) and are FDA approved.

Manual Sealant Guns

The manually-operated sealant gun for 2.5, 6 and 12 ounce cartridges uses a smooth plunger rod for easy operation. Simply releasing the trigger, releases the pressure; dispensing is easy to control and stops quickly.

Gun Tip/Nozzle Safety

Use extreme caution when cleaning or changing dispense sealant gun tips/nozzles. Always follow the **Pressure Relief Procedure**, **page 4**, first, and then remove the spray tip/nozzle to clean it.

Never wipe off build-up around the tip/nozzle until pressure is relieved.

Pressure Relief Procedure

This procedure describes how to relieve pressure for the sealant gun. To reduce the risk of serious injury, use this procedure whenever you shut off the sealant gun and before checking or adjusting any part of the sealant gun.



1. Shut off air supply to pump. Close any bleed-type master air valves.
2. Hold metal part of gun firmly to side of a grounded metal pail. Trigger gun to relieve pressure.
3. Open drain valve (required in your system) having a container ready to catch drainage.
4. Leave drain valve open until you are ready to dispense sealant again.



If you suspect that the nozzle or hose is completely clogged, or that pressure has not been relieved fully after following the above steps, very slowly loosen the retaining nut or hose end coupling to relieve pressure gradually. Then loosen completely. Now clear the tip/nozzle or hose.

Troubleshooting

Problem	Cause(s)	Solution(s)
Gun fails to dispense when trigger is actuated.	Material lodged in nozzle	Follow Pressure Relief Procedure, page 4. Clear nozzle of blockage.
	Material supply, hose, passages, clogged	Check material supply settings, hoses, etc. for proper material supply.
Seal leakage	Seals and packings are worn.	Rebuild gun as necessary using Repair Kit C04094.
Air leaks from gun inlet swivel.	Seals are worn	Replace seals using Repair Kit C04094.

Service


Sealant Gun Body Disassembly (C04093)

This procedure describes how to disassemble the sealant gun. Refer to Parts, Page 8.

1. Shut off material and air supply lines to gun.
2. Actuate gun to purge material. **Relieve Pressure, page 4**, from gun.



3. Disconnect air hose from sealant gun.
4. Unhook bracket (2) from retainer (21) and remove from sealant gun.
5. Disassemble parts attached to gun body as follows:
 - a. Cotter pin (3)
 - b. Knob and stud assembly (1)
 - c. Roll pin (10) and lever (17)
 - d. Snap ring (16) that holds the sleeve (15), two o-rings (14), push rod (13), o-ring (12), poppet (11) and spring (9) inside the body (4).
 - e. Unscrew the swivel screw (8) and remove the o-rings (14), swivel (6) and washer (5).

 The gun handle assembly should not be disassembled unless the original parts are worn or damaged.

Gun Handle Disassembly (C04079)

1. Remove the screw (101) and clamp (102) from the handle (103).
2. Carefully tap the spring pin (105) and trigger pin (106) out of the handle assembly.
3. Remove the trigger (107) and trigger spring (104) from the handle (103).

Sealant Gun Reassembly (C04093)



- Clean all parts thoroughly before reassembling. Check them carefully for damage or wear, replacing parts if needed.
- Repair Kit C04094 is available to service the Sealant Gun body. For best results, replace the original parts with new parts in the repair kit.
- Prior to installation, lubricate all seals and o-rings with PARKER-O-LUBE™ or an equivalent lubricant. Check the material supplier for a compatible lubricant.

1. Clean and free all parts of solid material residue.
2. Reassemble gun body as follows:
 - a. Install washer (5), swivel (6), two o-rings (14) and screw (8).
 - b. Install spring (9), poppet (11), o-ring (12), push rod (13), two o-rings (14), sleeve (15) and snap ring (16) inside body.
 - c. Install lever (17) and roll pin (10).
 - d. Install knob assembly (1) and bracket (2).
 - e. Install cotter pin (3).
3. Hook bracket (2) onto the retainer (21). Install parts on the gun.
4. Reconnect air hose to sealant gun.
5. Turn on air supply to sealant gun. Check for leaks.

Gun Handle Assembly (C04079)

1. Place trigger (107) and trigger spring (104) inside handle (103). Make sure trigger spring is aligned correctly with trigger.
2. Insert spring pin (105) and trigger pin (106) into holes in handle (103) assembly.
3. Install clamp (102) and screw (101) in handle (103) assembly.

Notes



Handwriting practice lines consisting of 20 horizontal lines.

Parts

Model C04093 Sealant Gun Body Assembly

Ref No.	Part No.	Description	Qty
1	C04085	Knob and stud assembly	1
2	C04072	Bracket	1
3	C19221	Cotter pin	1
4	C04101	Body	1
5*	C04103	Washer	1
6	C04071	Swivel	1
7*	156454	O-ring	2
8	C04065	Swivel screw	1
9*	C04099	Spring	1
10*+	C20053	Roll pin	1
11*	C04096	Poppet	1
12*	C04100	O-ring	1
13	C04098	Push rod	1
14*	155685	O-ring	2
15	C04097	Sleeve	1
16*	C20404	Snap ring	1
17	C04086	Lever	1
21a+	C04077	2-1/2 oz. retainer (Zinc plated)	
21b+	C04091	6 oz. retainer (Zinc plated)	
21c+	C04069	12 oz retainer (Zinc plated)	

* This part is included in Repair Kit C04094, which may be purchased separately.

+ Not shown. Air hose is not included with gun assembly.



Parts 4 - 17 make up one C04095 valve body assembly.

Model C04079 Gun Handle Assembly

Ref No.	Part No.	Description	Qty
101	C19271	Screw	1
102	C04082	Clamp	1
103	C04080	Handle	1
104	C04083	Trigger spring	1
105	C20065	Spring pin	1
106	C20064	Trigger pin	1
107	C04081	Trigger	1

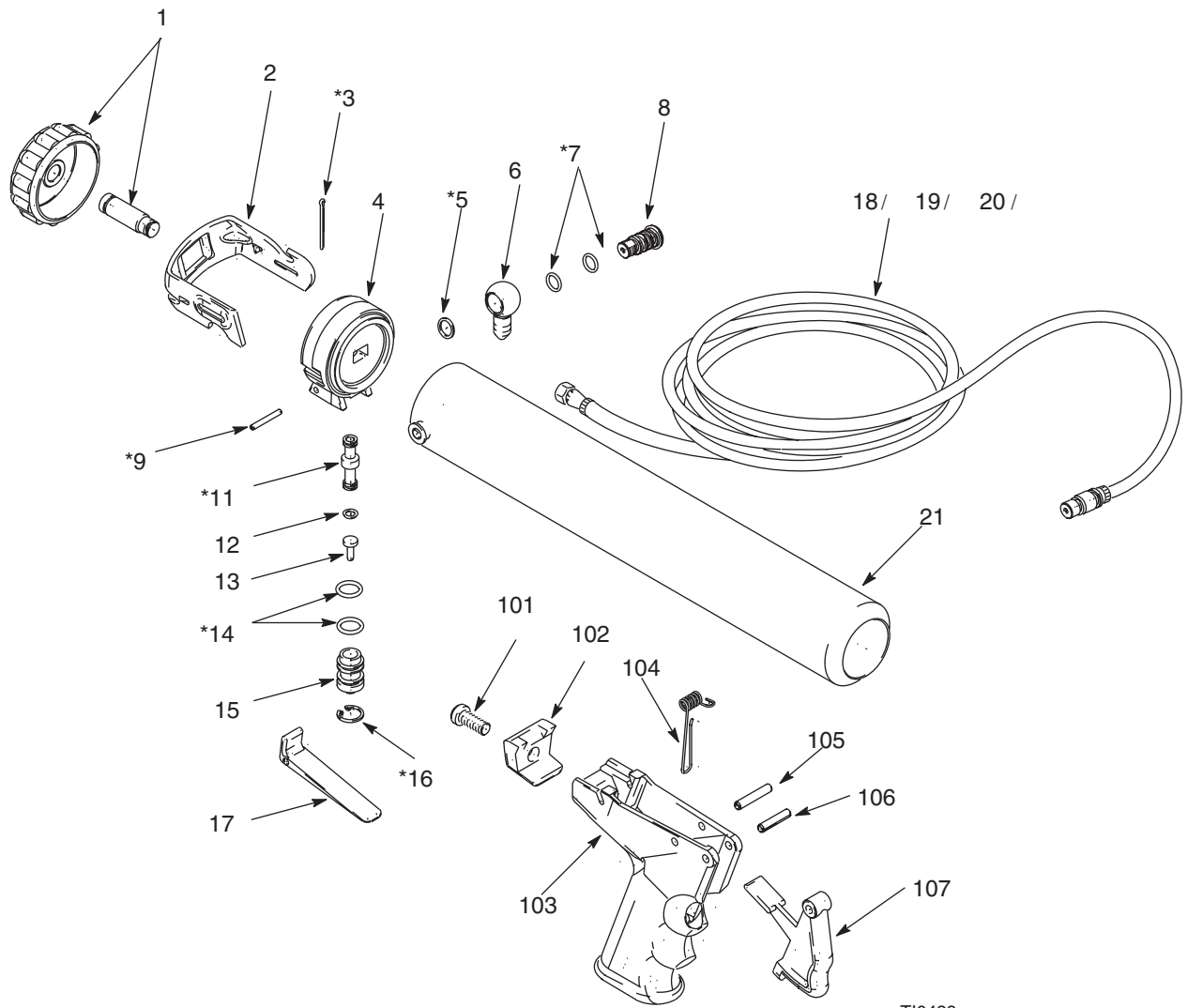
Technical Data

Category	Data
Maximum Working Pressure	100 psi (6.9 bar, 0.69 MPa)
Outlet port size	1/4 npt(f)
Wetted parts	Polyethylene
Weight	
• Model C04068	1.52 lb (0.69 kg) with tube
	1.0 lb. (0.45 Kg) without tube
• Model C04076	1.07 lb (0.48 Kg)
• Model C04090	1.25 lb (0.57 Kg)

Accessories

Brand	Part No.	Inlet Connector
Aro	C04019	0.125 ID x 5 ft air hose with male Q.D. inlet
	C04009	0.125 ID x 10 ft air hose with male Q.D. inlet
	C04013	1/4 npt(f) Q.D. for above hoses
Hansen	C04038	0.125 ID x 5 ft air hose with male Q.D. inlet
	C04026	0.125 ID x 10 ft air hose with male Q.D. inlet
	C04033	1/4 npt(f) Q.D. for above hoses

Parts



TI0439

Warranty

Graco warrants all equipment referenced in this document which is manufactured by Graco and bearing its name to be free from defects in material and workmanship on the date of sale to the original purchaser for use. With the exception of any special, extended, or limited warranty published by Graco, Graco will, for a period of twelve months from the date of sale, repair or replace any part of the equipment determined by Graco to be defective. This warranty applies only when the equipment is installed, operated and maintained in accordance with Graco's written recommendations.

This warranty does not cover, and Graco shall not be liable for general wear and tear, or any malfunction, damage or wear caused by faulty installation, misapplication, abrasion, corrosion, inadequate or improper maintenance, negligence, accident, tampering, or substitution of non-Graco component parts. Nor shall Graco be liable for malfunction, damage or wear caused by the incompatibility of Graco equipment with structures, accessories, equipment or materials not supplied by Graco, or the improper design, manufacture, installation, operation or maintenance of structures, accessories, equipment or materials not supplied by Graco.

This warranty is conditioned upon the prepaid return of the equipment claimed to be defective to an authorized Graco distributor for verification of the claimed defect. If the claimed defect is verified, Graco will repair or replace free of charge any defective parts. The equipment will be returned to the original purchaser transportation prepaid. If inspection of the equipment does not disclose any defect in material or workmanship, repairs will be made at a reasonable charge, which charges may include the costs of parts, labor, and transportation.

THIS WARRANTY IS EXCLUSIVE, AND IS IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO WARRANTY OF MERCHANTABILITY OR WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE.

Graco's sole obligation and buyer's sole remedy for any breach of warranty shall be as set forth above. The buyer agrees that no other remedy (including, but not limited to, incidental or consequential damages for lost profits, lost sales, injury to person or property, or any other incidental or consequential loss) shall be available. Any action for breach of warranty must be brought within two (2) years of the date of sale.

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In no event will Graco be liable for indirect, incidental, special or consequential damages resulting from Graco supplying equipment hereunder, or the furnishing, performance, or use of any products or other goods sold hereto, whether due to a breach of contract, breach of warranty, the negligence of Graco, or otherwise.

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