

Direct Mount Vent Valve for G3 Pumps

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ENG

Instructions for installing a direct mount vent valve on the G3 Pump. For professional use only.

Part No.:

12 VDC, NPT - 571169; 24 VDC, NPT - 571170

12 VDC, BSPP - 571171; 24 VDC, BSPP - 571172

Maximum Working Pressure: 3500 psi (241 bar, 24 MPa)

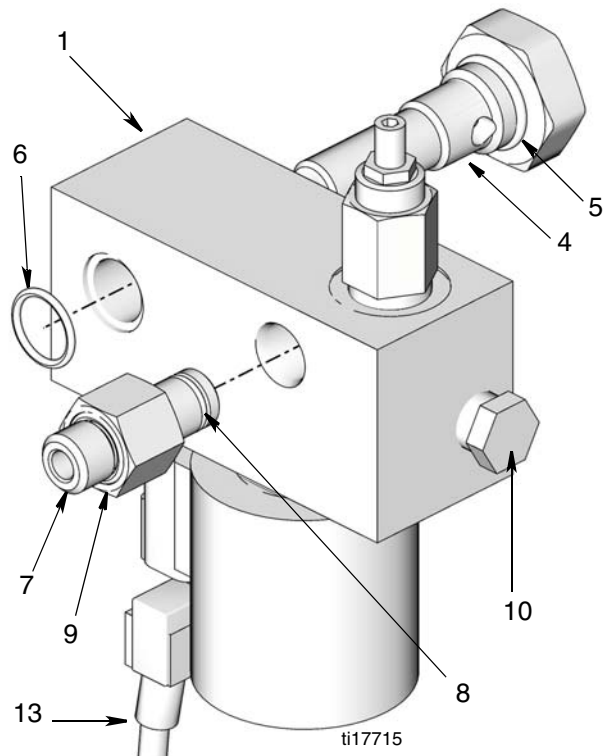


Important Safety Instructions

Read all warnings and instructions in this manual and the G3 Pump instruction manual included with your unit. Save these instructions.




Kit Parts:

Ref.	Description	Qty			
		571169	571170	571171	571172
1	MANIFOLD, vent valve, 12 VDC, NPT	1			
	MANIFOLD, vent valve, 24 VDC, NPT		1		
	MANIFOLD, vent valve, 12 VDC, BSPP			1	
	MANIFOLD, vent valve, 24 VDC, BSPP				1
4	BOLT, vent valve, NPT	1	1		
	BOLT, vent valve mount, BSPP			1	1
5	O-RING, 908	1	1	1	1
6	O-RING, 015	1	1	1	1
7	BOLT, vent valve	1	1	1	1
8	O-RING, 012	1	1	1	1
9	O-RING, 014	1	1	1	1
10	PLUG, 1/4, hex hd	1	1	1	1
13	CABLE, 6 ft, 2 pin	1	1	1	1



Instructions

Pressure Relief

					
SKIN INJECTION HAZARD					
High-pressure fluid from dispense device, 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 surgical treatment.					
Follow Pressure Relief Procedure in this manual, when you stop dispensing and before cleaning, checking, or servicing equipment.					

Relieve pressure in system by using two wrenches working in opposite directions on pump element and pump element fitting to **only** loosen fitting.

NOTE: When loosening pump element fitting, do NOT loosen **pump element**. Loosening pump element will change the output volume.

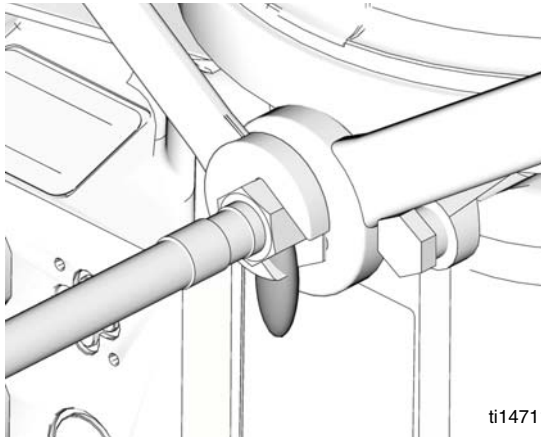


FIG. 1

Installation

Reference numbers used in these instructions correspond to parts included in Kit and are provided on page 1. Parts identified with an alpha character are user provided or already installed components.

1. Disconnect power source.
2. If unit has already been in service, relieve pressure.
3. Be sure the two o-rings (8, 9) are correctly installed on the bolt (7) as shown in FIG. 2.

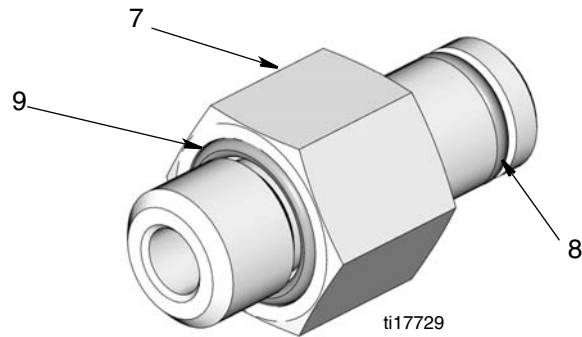


FIG. 2

4. Remove plug from G3 and install vent valve alignment bolt (7) in it's place as shown in FIG. 3. Torque to 30 in. lbs. (0.2 N.m).

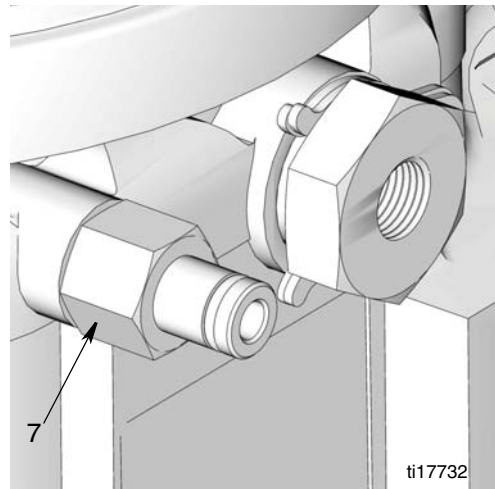


FIG. 3

- Grease o-ring (6) and install in block opening (1a) as shown in FIG. 4.

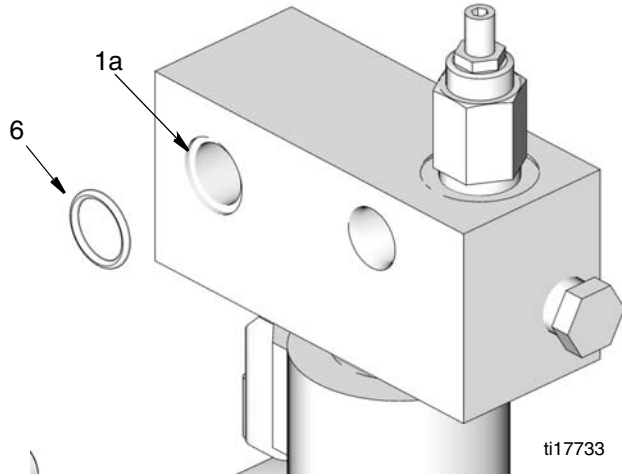


FIG. 4

- Be sure o-ring (5) is installed on bolt (4) as shown in FIG. 5.
- Install vent valve mounting bolt (4) through block (1b) and into G3 pump (FIG. 5). Tighten mounting bolt (4) securely then torque to 35 ft. lbs. (47.45 N.m).

NOTE: System connection is made through primary outlet (4a).

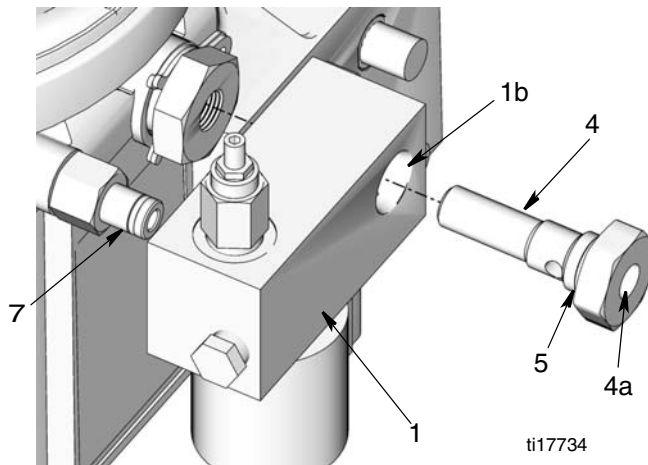


FIG. 5

- Plug (10) can be removed to install a pressure gauge or to use this port as an outlet.

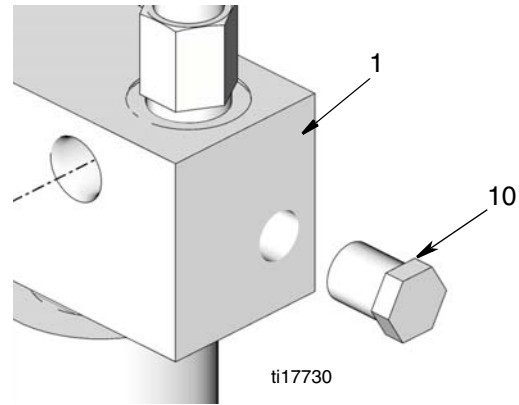


FIG. 6

- Connect end of cable (13) to the G3 (FIG. 7).

NOTE: To verify the correct port on the G3 is selected, locate the symbol shown in FIG. 7 on the G3 label.

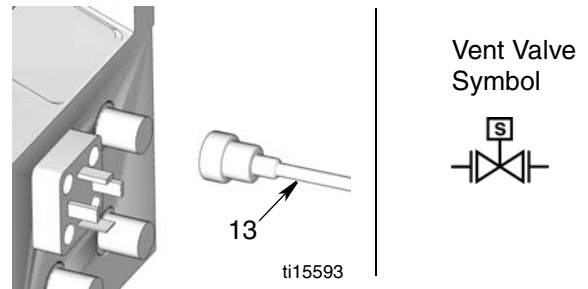


FIG. 7

- Connect cable connector (13) to solenoid valve (a) (FIG. 8).

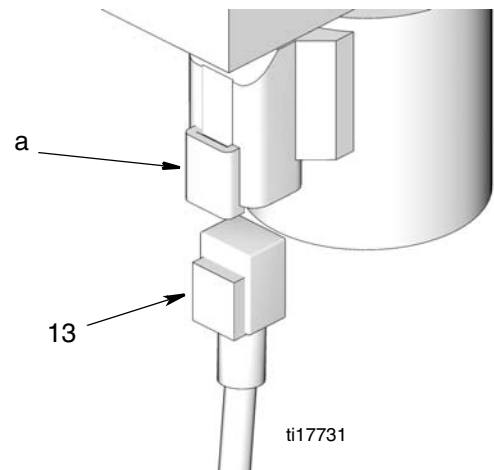


FIG. 8

*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.*

Original instructions. This manual contains English. MM 3A1963

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