

Pump Fluid Purge Kit

312491A

For remotely purging air from Check-Mate® pumps.

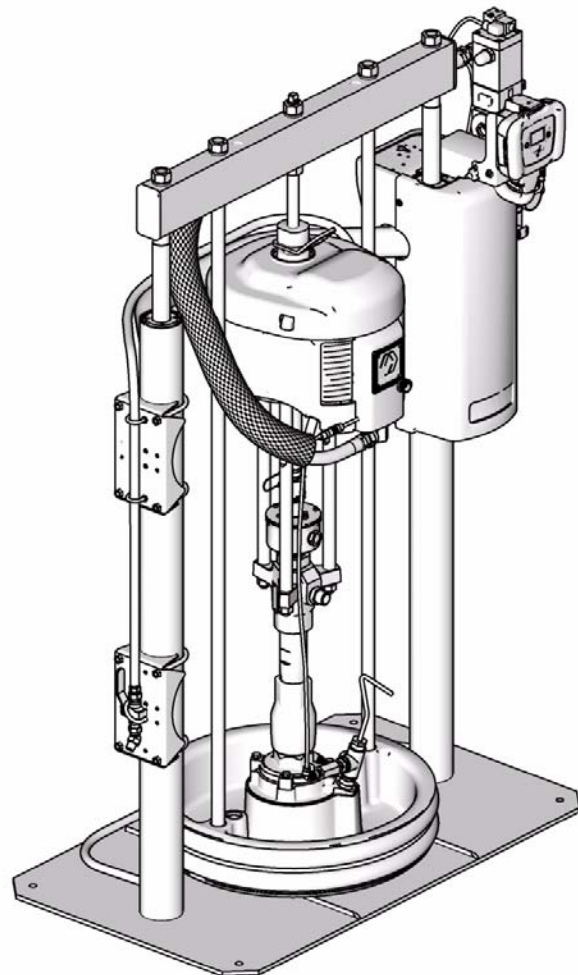
Part 255690

6200 psi (43.4 MPa, 434 bar) Maximum Working Pressure



Important Safety Instructions

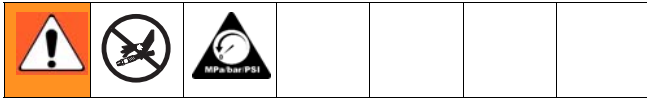
Read all warnings and instructions in Supply Unit operation and repair-parts manuals. Save those instructions.




T111303a



Installation



1. Ensure supply unit is grounded. Refer to your Supply Unit Operation manual for instructions.
2. Relieve pressure. Refer to your Supply Unit Operation manual for instructions.
3. Remove bleeder valve from pump lower.
4. Apply thread sealant and install new bleeder valve (1) on pump lower.

 Install bleeder valve with bleed hole facing up.

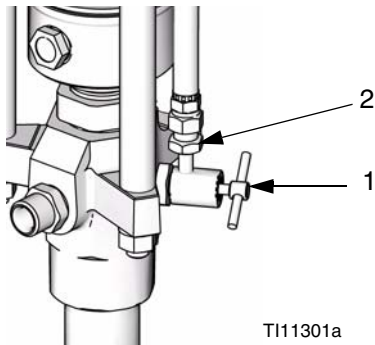



FIG. 1: New Bleeder Valve

5. Apply thread sealant and thread adapter (2) into top of bleeder valve (1).
6. Orient a bracket (6) for 3 in. or 6.5 in. ram as shown in FIG. 2.

 Do not assemble bracket to ram until step 12.

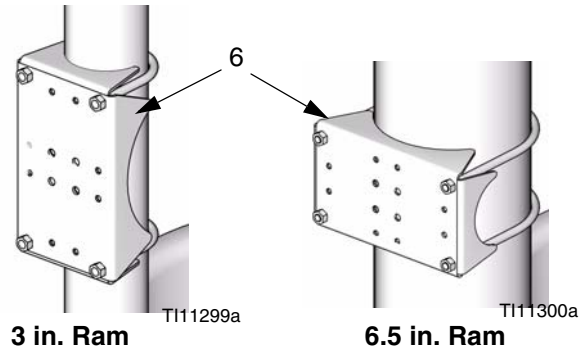


FIG. 2: Bracket Orientation

7. Assemble ball valve (4) to one of brackets by installing u-bolt (12) over ball valve as shown in FIG. 3. Use hex nuts (13) to secure u-bolt to bracket.

CAUTION

If u-bolt is installed incorrectly, the ball valve will not open and close correctly.

8. Install hose (3) to top of ball valve (4). See FIG. 3.
9. Attach swivel union (5) to bottom of ball valve (4). Orient swivel union to point away from bracket as shown in the following figure.

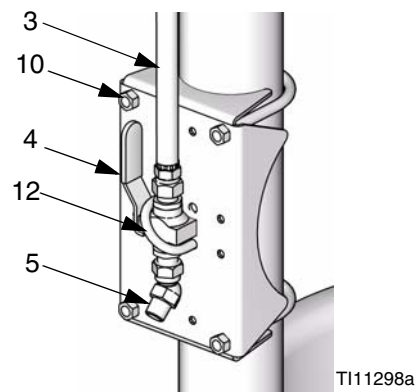


FIG. 3: Bottom Bracket with Ball Valve

10. Thread four hex nuts onto two 1 in. u-bolts (10) as far as they will go.

11. Orient second bracket (6) for 3 in. or 6.5 in. ram. See FIG. 2. Hold hose against second bracket. Install two u-bolts (10) over hose, and use second set of hex nuts (11) to secure u-bolts to bracket. See FIG. 5.
12. Select correct u-bolts (7 or 8) for ram size; see Parts list. Attach two u-bolts to bracket with ball valve. Attach bracket to ram post at desired height of pail you will purge into. Secure bracket to post with hex nuts (9).
13. Attach bracket with two small u-bolts to top of ram post using two large u-bolts (7 or 8). Secure bracket to post with hex nuts (9).
14. Route end of hose over ram crossbar and down to bleeder valve on pump lower as shown in the following figure. Thread hose onto adapter (2).

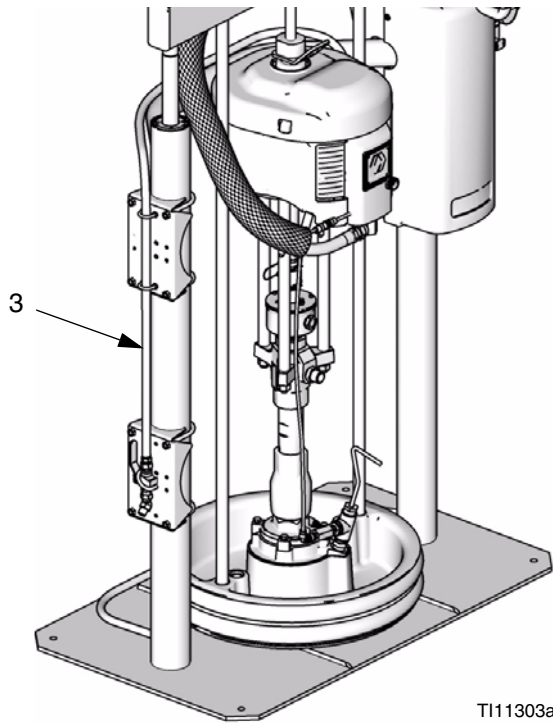
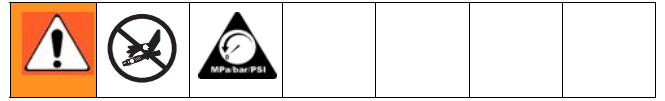


FIG. 4: Route Hose

15. Close ball valve (4) and open bleeder valve (1) completely before returning pump to operation.

Operation



1. Place pail under ball valve.

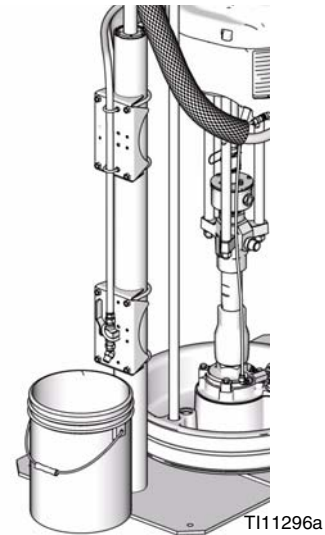



FIG. 5: Pail Setup

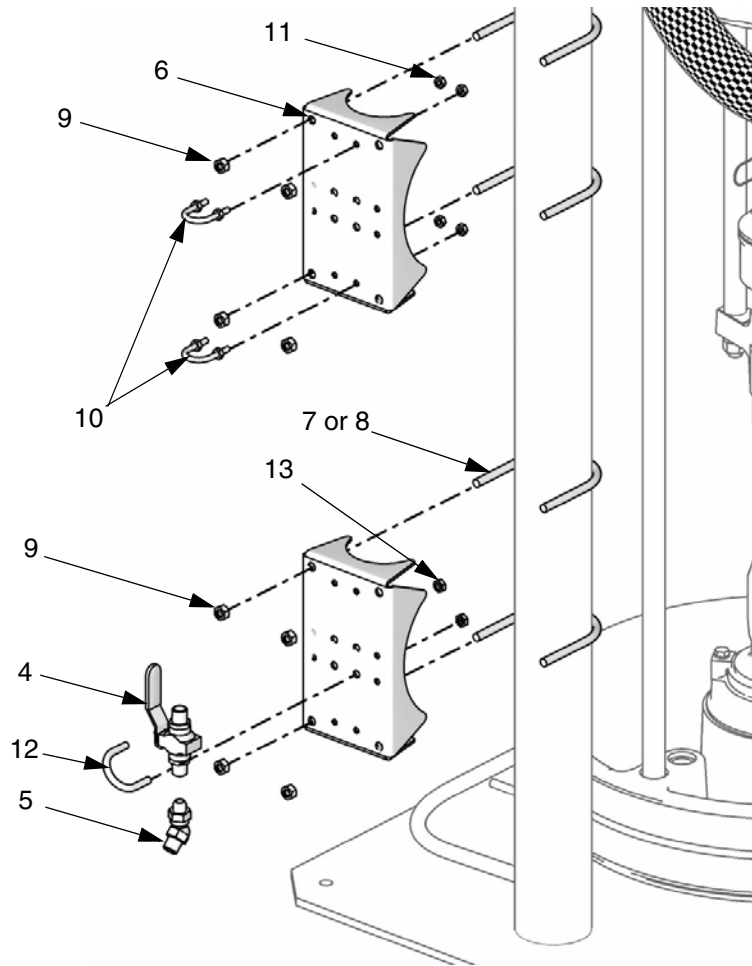
2. Bleed all air out of system; refer to Check-Mate pump manual 312376 for instructions.
3. Use ball valve instead of bleeder valve to purge system.

 Leave bleeder valve (1) open at all times.

CAUTION

If you think fluid hose is clogged, perform pressure relief procedure. If pressure still has not been relieved, very slowly loosen hose end coupling and relieve pressure gradually, then loosen coupling completely. Clear hose obstruction.

Parts



Ref.	Part	Description	Qty.	Ref.	Part	Description	Qty.
1★	245143	VALVE, pressure, bleed	1	8		BOLT, "u"; 7 in. (177.8 mm); for 6.5 in. ram	4
2★		ADAPTER	1	9		NUT, hex	8
3★	H73810	HOSE, coupled; 0.375 ID, 10 ft (3.05 m)	1	10		BOLT, "u"; 1 in. (25.4 mm); includes 2 hex nuts	2
4	237304	VALVE, ball	1	11		NUT, hex	4
5		UNION, swivel; 45 deg.	1	12		BOLT, "u"; 1.5 in. (38.1 mm)	1
6		BRACKET, valve	2	13		NUT, hex	2
7		BOLT, "u"; 3.5 in. (88.9 mm); for 3 in. ram	4				

★ Not shown.

Wetted Components

PTFE, Nylon, Sintered Tungsten Carbide, and Zinc-Plated Carbon Steel

*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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