

Back Pressure Regulator Kit

3A0873B

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For use in circulating systems using 750cc 4-ball pumps only, to provide regulated back pressure to spray gun(s) and to maintain proper system pressure.
For professional use only.

24E709, Series A

Stainless Steel

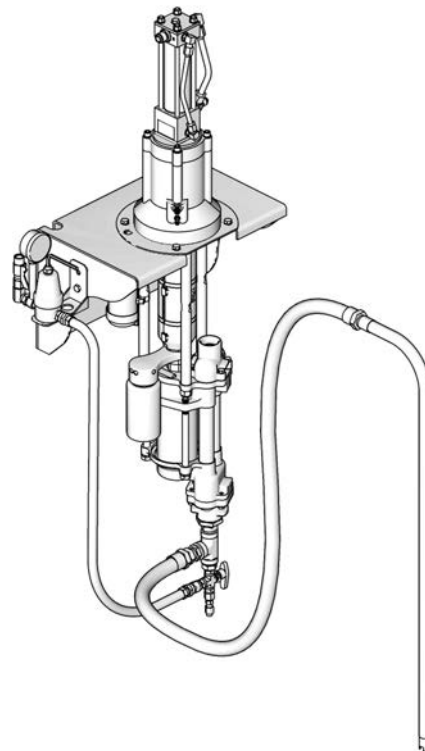
300 psi (2.1 MPa, 21 bar) Maximum Regulator Inlet Pressure

180 psi (1.24 MPa, 12.4 bar) Maximum Regulated Pressure



Important Safety Instructions

Read all warnings and instructions in this manual and in your separate pump manual and fluid regulator manual 308401. Save these instructions.



TI16279a

Kit is shown installed on a Viscount pump and wall bracket, which are not included

Installation

See the drawing on page 3. The drawing shows the kit being installed on a Viscount pump and the 255143 Wall Bracket Kit, which are not included.

NOTE: Apply pipe sealant (19) to all non-swiveling threads.

1. Flush the system before installing the kit.
2. Follow the **Pressure Relief Procedure** in your separate pump manual.
3. Install the BPR Bracket (2) to the mounting surface, using the screws (3), washers (4), and nuts (5).
4. Install the back pressure regulator (1) on the BPR bracket (2), using the screws (18). Connect the 90° swivel union (6) and ball valve (7) to the regulator fluid inlet.
5. Install the pump onto the mounting surface with attaching hardware, as shown.
6. **Pumps with Sealed or Open Wet Cup Lower:** Install the adapter (21), gasket (22), and clamp (23) at the pump fluid inlet, as shown in inset.
7. Install the bushing (8), nipple (9), tee (10), bushing (11), 3-way ball valve (12), and coupling (13) at the pump fluid inlet, as shown.
8. Install the straight swivel (15) in the open branch of the tee (10). Connect the hose (16) to the swivel, and the other end of the hose to a fluid suction tube (not included).
9. Install the straight swivel (14) on the open branch of the 3-way valve (12). Connect the hose (17) to the swivel, and the other end of the hose to the swivel outlet of the back pressure regulator (1).
10. Connect the fluid circulation return line (not included) to the ball valve (7) at the back pressure regulator fluid inlet.

Operation

See your separate pump manual for general operating instructions. To adjust the back pressure regulator (1), see the separate regulator manual (308401) included with your kit.

Use the 3-way ball valve (12) to direct circulating fluid back to the pump inlet or to a drain tube connected to the coupling (13).

Kit 24E709 Parts

Ref. No.	Part No.	Description	Qty.
1	236770	REGULATOR, back pressure; see manual 308401	1
2	192586	BRACKET, BPR	1
3	102471	SCREW, cap, hex hd; 3/8-16 x 1 in. (25 mm)	2
4	103975	WASHER, lock; 3/8 in. (10 mm) ID	2
5	112913	NUT, hex; 3/8-16	2
6	207123	UNION, swivel, 90°; 3/8 npt(m) x 3/8 npsm(f)	1
7	237532	VALVE, ball; 3/8 npt(f)	1
8	114188	BUSHING; 1-1/2 npt(m) x 3/4 npt(f)	1
9	510073	NIPPLE; 3/4 npt	1
10	113833	TEE, pipe; 3/4 npt(f)	1
11	500352	BUSHING; 3/4 npt(m) x 3/8 npt(f)	1
12	114189	VALVE, ball, 3-way; 3/8 npt(m)	1
13	111914	COUPLING, hose; 3/8 npsm(f) with spring guard	1
14	207152	UNION, swivel, straight; 3/8 npt(f) x 3/8 npsm(f)	1
15	112268	UNION, swivel, straight; 3/4 npt (m x f)	1
16	221171	HOSE, suction; 3/4 npt (mbe); 6 ft (1.83 m)	1
17	114198	HOSE, return, fluid; 3/8 npt (mbe); 6 ft (1.83 m)	1
18	101550	SCREW, cap, socket-hd; 1/4-20 x 1/2 in. (13 mm)	2
19	119400	PIPE SEALANT; 2 ml	2
21	15J422	ADAPTER, 1-1/2 sanitary x 1-1/2 npt	1
22	120351	GASKET, sanitary	1
23	118598	CLAMP, sanitary, 1.5 in.	1

- △6 Apply pipe sealant (19) to all non-swiveling threads.



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