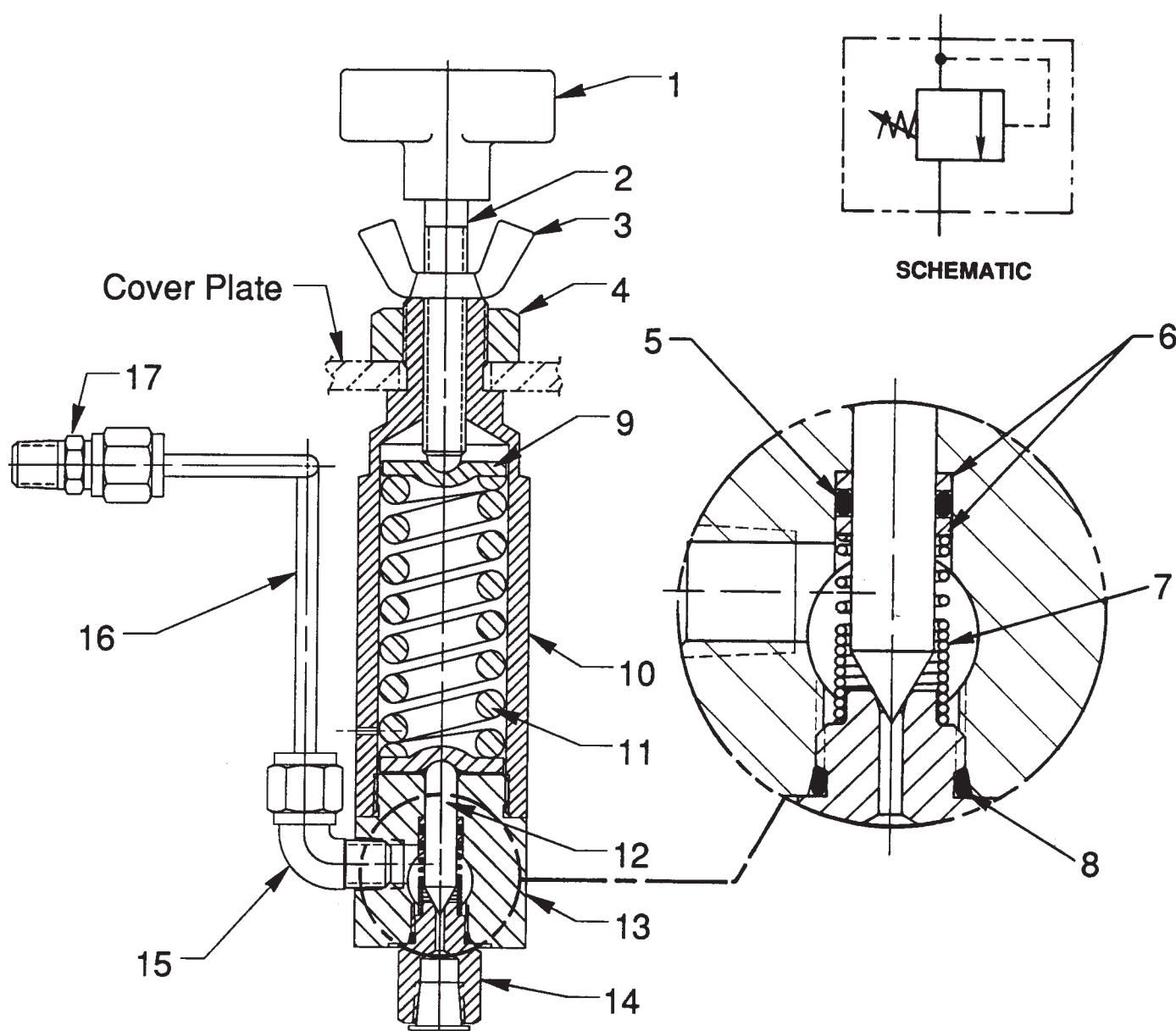


PRESSURE REGULATOR

For use with standard PE55 Series pumps

This pressure regulator can be adapted to any hydraulic system to bypass oil at a desired pressure setting anywhere between 300 PSI and 10,000 PSI while the pump motor continues to run. Refer to the illustration below for the exact location of the inlet port and the designated outlet port (1/8 NPTF).

PARTS LIST



Item No.	Part No.	No. Req'd	Description
1	215693	1	Tee Knob
2	215721	1	Stem
3	215683	1	Wing Nut
4	10396	1	Jam Nut (3/4-16)
5	10266	1	O-ring (3/8 x 1/4 x 1/16, -010)
6	215430	2	Backup Washer (3/8 x 9/32 x 3/64)
7	215431	1	Compression Spring (NOTE: Assemble closed coils of compression spring towards seat fitting [item #14].)
8	13755	1	O-ring (9/16 x 13/32 x 5/64, -905)
9	215428	2	Spring Retainer
10	309077	1	Spring Housing
11	215429	1	Compression Spring (1.100 O.D. x 2-1/2 Lg.)
12	309079	1	Poppet
13	47648	1	Regulator Body
14	309078	1	Seat Fitting
15	16177	1	90° Elbow Fitting (1/8 NPT Male to 1/16-20 UNF Male)
16	201570	1	Tubing Assembly
17	14844	1	Straight Fitting (1/8 NPT Male to 7/16-20 UNF Male)

PARTS INCLUDED BUT NOT SHOWN

16232	2	Plug (3/8 NPTF Male)
10427	1	Plug (1/8 NPTF Male Hex)

OPERATING INSTRUCTIONS



WARNING: To help avoid personal injury,

- Do not touch the pressure regulator during operation. The unit can become very hot (over 180° F.) depending upon the flow and pressure setting used.
- Do not exceed the rated capacity of the pressure regulator (17 cu. in. to 8 GPM).

IMPORTANT: To help prevent equipment damage, return lines must be sized large enough for flow and pressure setting used. Back pressure created by a return system can impair unit operation.

For easy adjustment of the pressure regulator, always adjust the pressure setting by INCREASING to a desired pressure setting. The pressure range for this regulator is from 300 PSI to 10,000 PSI.

1. Loosen the wing nut on the pressure regulator. Turn the adjusting knob a few turns counterclockwise (CCW) to decrease the pressure setting to a lower than desired pressure.
2. Start the pump. Slowly turn the adjusting knob clockwise (CW) to gradually increase the pressure setting. When the desired pressure setting is attained, lock the adjusting screw into position by tightening the wing nut.

MAINTENANCE

The pressure regulator has an accuracy rating of $\pm 3\%$. To maintain that accuracy level, regularly clean the entire hydraulic system.