

MODEL 81-RP PRESSURE RELIEF PILOT (NORMALLY CLOSED)

PRODUCT OVERVIEW

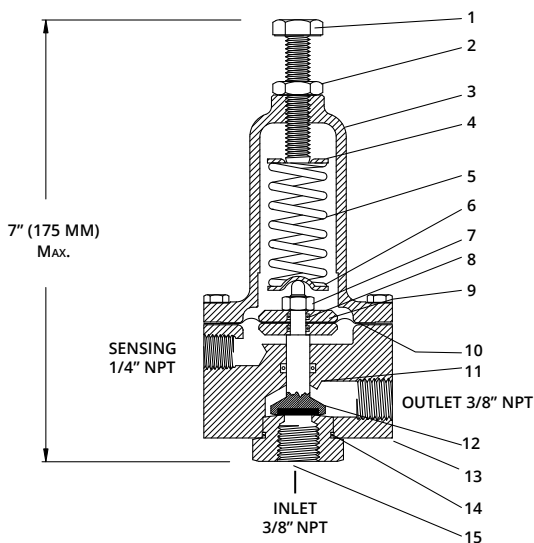
The 81-RP is a remote sensing, high capacity, spring and diaphragm operated, normally closed pilot. The inner valve is held closed by the spring. When the sensed pressure increases above the spring setting, the pilot opens.

Model 81-RP pilot is used as the standard pressure relief/sustaining pilot on all 106 and 206 series valves.



ORDERING INSTRUCTIONS

Refer to page 244 for the order form and ordering instructions.



1. Adjusting Screw (Stainless Steel)
2. Lock Nut (Stainless Steel)
3. Spring Casing (Bronze)
4. Upper Spring Step (Stainless Steel)
5. Spring (Steel)
6. Lower Spring Step (Stainless Steel)
7. Stem Locknut (Stainless Steel)
8. Clamp Plate Seal (Buna-N)
9. Clamp Plate (Brass)
10. Diaphragm (EPDM)
11. Body Seal (Buna-N)
12. Inner Valve (Stainless Steel and EPDM)
13. Body (Brass)
14. Seat Ring Seal (Buna-N)
15. Seat (Stainless Steel)

SCHEMATIC A0661C

Options: All Stainless Steel construction.
Viton or Buna-N Elastomers

	Spring Ranges	Approximate psi per turn
Standard	20 to 200 psi (1.38 to 13.8 bar)	25 psi (1.7 bar) per turn
Optional	5 to 50 psi (0.345 to 3.45 bar)	9 psi (0.62 bar) per turn
	10 to 80 psi (0.7 to 5.5 bar)	14 psi (0.96 bar) per turn
	100 to 300 psi (6.9 to 20.7 bar)	42 psi (2.9 bar) per turn