QUICK PRESSURE RELIEF PILOT VALVE

Model PC3Q

Model PC-3Q

This pilot integrates all principal functions of a 2-Way control circuit in a single assembly.

It is a direct acting valve, actuated by a pressure responsive diaphragm, which tends to reach equilibrium with the set spring force. The pilot opens at upstream pressure rise above set point. An integral restriction acts as an upstream flow restrictor smoothing valve closing and simplifying the control circuit.

Features

- Internal restriction
- Direct Pressure Gauge Installation

Typical Applications

- Pressure relief valve quick type

Technical Data

Pressure Rating: 400 psi

Water Temperature Range: 32-150 °F

Flow Factor:
  Ports inlet to outlet: Cv 0.56

Height (H): 6.8 inch; Spring Z- 9.9 Inch
Weight: 2.2 Lbs; Spring Z- 3.3 Lbs

Standard Materials:

Body: Brass or Stainless Steel 316
Cover: Brass, St. St. 316 or Polyamide (for cold water)
Diaphragm & Seals: NBR or EPDM
Internal Parts: Stainless Steel & Brass
**Spring:** Stainless Steel

Optional Materials:

Diaphragm & Seals: FPM (Viton®)

The technical data refers to metal cover and lower plug only. For other materials contact BERMAD.

Adjustment Range:

Spring	Spring Color	Setting range	Material
J*	Green & Red	3-25 psi	St. St. 316
K	Gray	7-43 psi	St. St. 302
Y	Gray & Red	7-43 psi	St. St. 316
N	Natural	12-95 psi	St. St. 302
L	Red & Orange	12-94 psi	St. St. 316
V	Blue & White	15-150 psi	St. St. 302
T	Blue & Red	15-150 psi	St. St. 316
P	**White**	**15-230 psi**	**St. St. 302**
W	**White & Red**	**15-230 psi**	**St. St. 316**
Z	Red	72-362 psi	St. St. 316

Standard spring - marked in bold
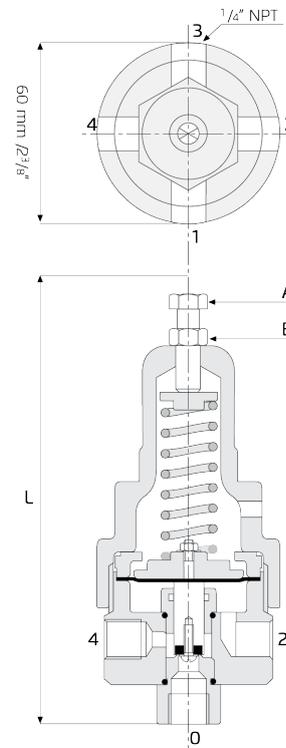
Part	Description
A	Adjusting screw
B	Locking nut

Port	Size	Connections
1/2	¼" NPT	Upstream or pressure gauge
3	¼" NPT	Valve Control Chamber (when 4 is plugged)
4	¼" NPT	Valve Control Chamber (when 3 is plugged)
0	¼" NPT	Vent/Downstream

Always recommended to refer to control diagram