

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: 25 bar

Water Temperature Range: 0-60 °C

Flow Factor:

Ports inlet to outlet: Kv 0.48

Height (H): 173 mm; Spring Z- 253 mm

Weight: 1.0 Kg; Spring Z- 1.5 Kg

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:

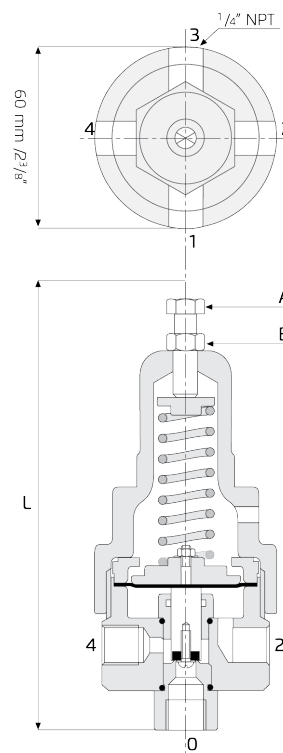
Diaphragm & Seals: FPM (Viton®)

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	0.2-1.7 bar	St. St. 316
K	Gray	0.5-3.0 bar	St. St. 302
Y	Gray & Red	0.5-3.0 bar	St. St. 316
N	Natural	0.8-6.5 bar	St. St. 302
L	Red & Orange	0.8-6.5 bar	St. St. 316
V	Blue & White	1.0-10.0 bar	St. St. 302
T	Blue & Red	1.0-10.0 bar	St. St. 316
P	White	1.0-16.0 bar	St. St. 302
W	White & Red	1.0-16.0 bar	St. St. 316
Z	Red	5.0-25.0 bar	St. St. 316

Standard spring - marked in bold



Part	Description
A	Adjusting screw
B	Locking nut

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

Always recommended to refer to control diagram