

QUICK PRESSURE RELIEF PILOT VALVE

Model PC3Q

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; 400 psi

Working Temperature: Water up to 60°C; 150°F

Flow Factor: Kv 0.48; Cv 0.56

Valve Size Range: Small - Medium

Standard Materials:

Body: Brass/Stainless Steel

Cover: Brass/Stainless Steel/Polyamide 6+30% G.F

Elastomers: NBR/EPDM

Internals: Stainless Steel & Brass

Spring: Stainless Steel 302/316

Optional Materials:

Metal Parts: Nickel Aluminum Bronze, Duplex, Hastalloy

Elastomers: FPM (Viton®)

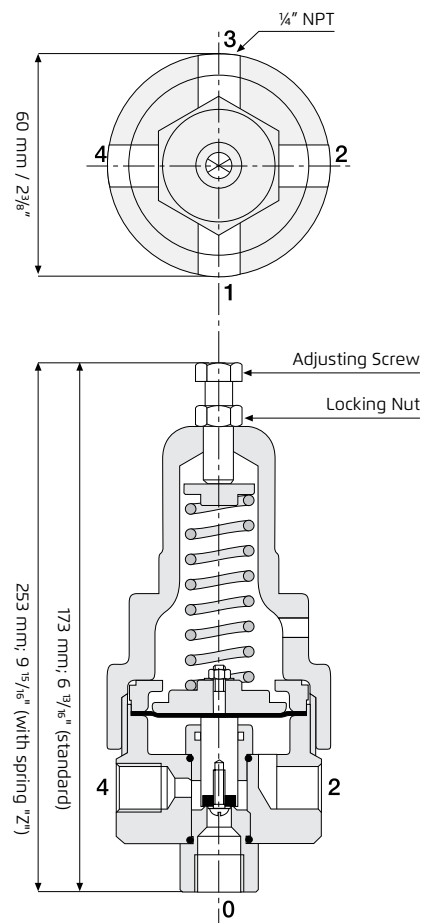
Adjustment Range

Spring		Pressure		
St. St. 302 Bronze Body	St. St. 316 St. St. Body	bar	psi	
N/A	J*	0.2-1.7	3-25	Standard
K	Y	0.5-3	7-43	Optional
N	L	0.8-6.5	12-94	
V	T	1-10	15-150	
P	W	1-16	15-230	
N/A	Z	5-25	72-362	

Connections

- 1 - Upstream or pressure gauge
- 2 - Upstream or pressure gauge
- 3 - Valve control chamber (when 4 is plugged)
- 4 - Valve control chamber (when 3 is plugged)
- 0 - Vent/Downstream

* Always recommended to refer to control diagram



Weights:
 1.0 Kg, 2.2 lbs. - Bronze, Stainless Steel
 1.5 Kg, 3.3 lbs. - with 25 bar spring