

# Quick Pressure Relief Pilot Valve 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 sizes 1½-4"

### Technical Data

**Pressure Rating:** 25 bar; 350 psi

**Working Temperature:** Water up to 80°C; 180°F

**Flow Factor:** Kv 0.48; Cv 0.56

#### Standard Materials:

**Body:** Bronze/Stainless Steel

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

**Elastomers:** NBR/EPDM

**Internals:** Stainless Steel & Brass

**Spring:** Stainless Steel 302/316

#### Optional Materials:

**Metal Parts:** Nickel Aluminum Bronze, Duplex, Hastalloy

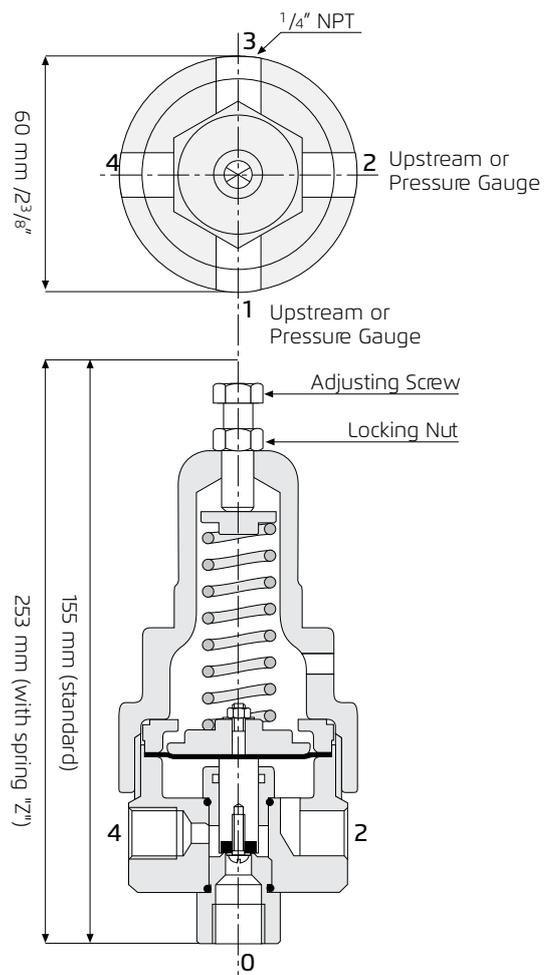
**Elastomers:** FPM (Viton®)

### Adjustment Range

Spring		Pressure		Standard
St. St. 302 Bronze Body	St. St. 316 St. St. Body	bar	psi	
N	L	0.8-6.5	12-94	Standard
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 - Downstream



### Weight:

1.0 Kg / 2.2 lbs. - Bronze, Stainless Steel

1.5 Kg / 3.3 lbs. - with 25 bar spring



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