



Pressure Reducing Pilot Valve

Model PC-20-P

This pilot integrates all principal functions of a 2-way control circuit in a single assembly. It is a direct acting pilot valve, actuated by a pressure responsive diaphragm, which seeks to reach equilibrium between hydraulic and set spring forces. When used in a pressure reducing circuit, the pilot modulates closed as downstream pressure rises above set point. An internal restriction acts as an upstream flow restrictor.

Features

- Internal or external upstream flow restrictor
- Internal or external pressure sensing
- Differential pressure sensing

Typical Applications

- Pressure Reducing Valves sizes 1½-4" (Standard model #PC-20-P)
- Closing Surge Control (additional feature 49) for sizes 1½-4" (Modified to external pressure sensing PC-20-P-R)

Technical Data

Pressure Rating: 10 bar; 145 psi

Working Temperature: Water up to 50°C; 122°F

Flow Factor: Kv 0.22 m³/h @ 1bar ΔP; Cv 0.25 GPM @ 1psi ΔP

Standard Materials:

Body & Cover: Polyamide 6+30% F.G

Elastomers: NBR

Internals: Stainless Steel & Brass

Spring: Galvanized Steel

Ports: 1/8" NPT

Adjustment Range

Spring	Pressure	
	bar	psi
H-Orange	1-7	15-100
N-Natural	0.8-6.5	11-95
K-Gray	0.5-3	7-40
J-Green*	0.2-1.7	3-25

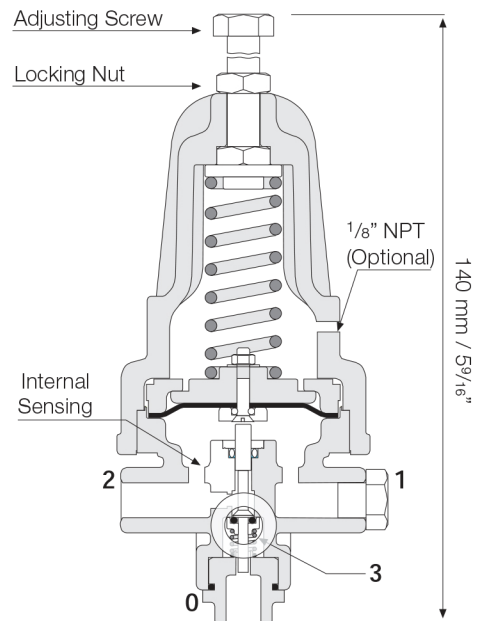
Standard

Optional

* For PC-20-P-D-differential sensing.

Connections

- 0 - Upstream
- 3 - Valve control chamber
- 2 - Downstream
- 1 - Plugged/ External Sensing



Weight: 0.21 Kg; 2.0 lbs.