



Pressure Reducing Pilot Valve, Metal

Model PC-20-M

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
- Direct pressure gauge installation

Typical Applications

- Pressure reducing valves sizes 1½-10" (Standard model #PC-20-M)

Technical Data

Pressure Rating: 16 bar; 232 psi
Working Temperature: Water up to 80°C; 180°F
Flow Factor: Kv 0.44 m³/h @ 1bar ΔP; Cv 0.51 GPM @ 1psi ΔP
Standard Materials:
Body: Brass
Cover: Brass
Elastomers: NBR
Internals: Stainless Steel & Brass
Spring: Galvanized Steel
Ports: 1/4" NPT

Adjustment Range

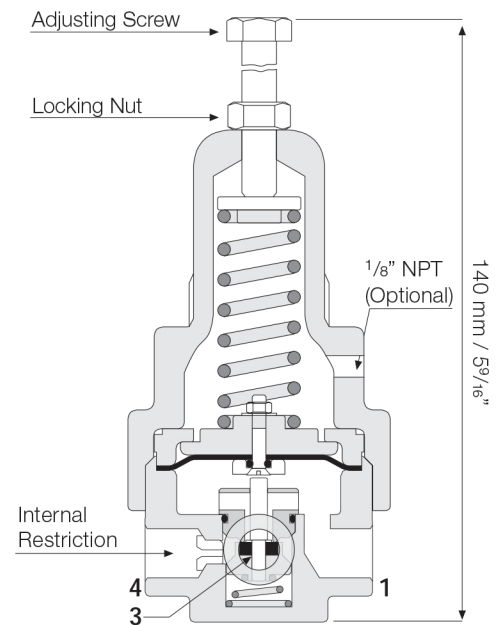
Spring	Pressure	
	bar	psi
G-Blue	1-10	15-145
H-Orange	1-7	15-100
N-Natural	0.8-6.5	11-95
K-Gray	0.5-3	7-40
J-Green*	0.2-1.7	3-25

Standard
Optional

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

Connections

- 1 or 2 - Downstream / Remote sensing / Pressure gauge
- 3 - Valve control chamber
- 4 - Upstream



Weight: 0.91 Kg; 2.0 lbs.

