



High Sensitivity Pressure Reducing Pilot Valve

This pilot integrates all principal functions of a 2-Way control circuit in a single assembly. It is a high sensitivity, direct acting valve, actuated by a pressure responsive diaphragm, which tends to reach equilibrium with the set spring force. When used in a pressure reducing circuit, the pilot modulates closed as downstream pressure rises above set point. An integral needle valve acts as an upstream flow restrictor as well as a closing speed control.

Features

- Integral needle valve
- Differential pressure sensing (model #7)

Typical Applications

- Modulating Altitude Control Valves sizes 1 1/2"-14"
- High Sensitivity Pressure Reducing Valves sizes 1 1/2"-14"
- Low ΔP Flow Control Valves sizes 1 1/2"-14"
(modified to differential sensing model #7)

Technical Data

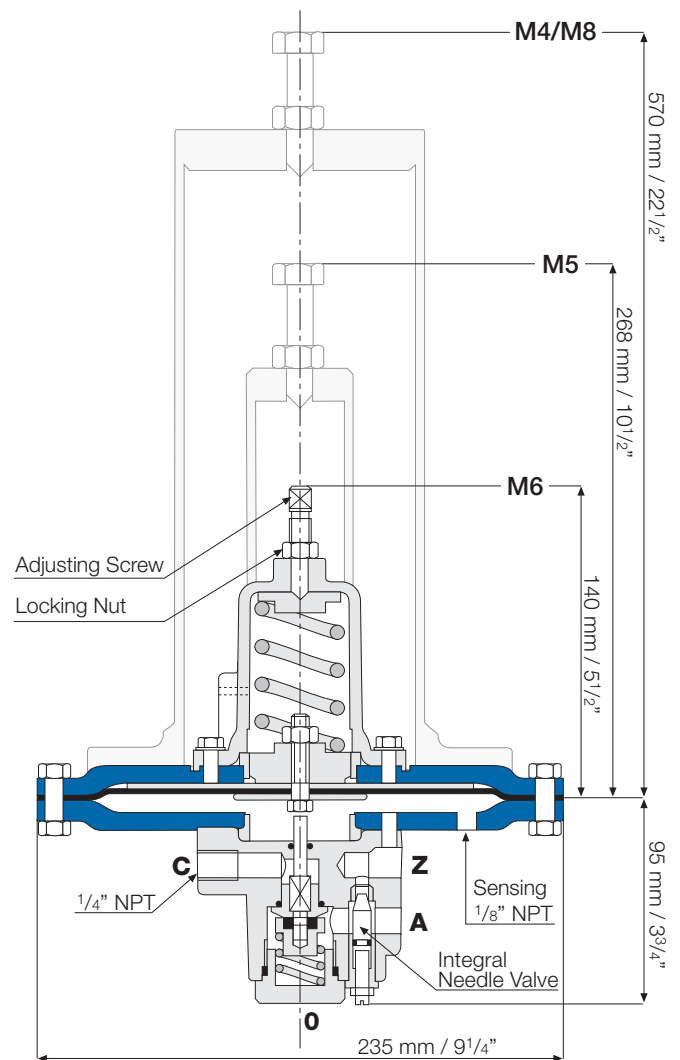
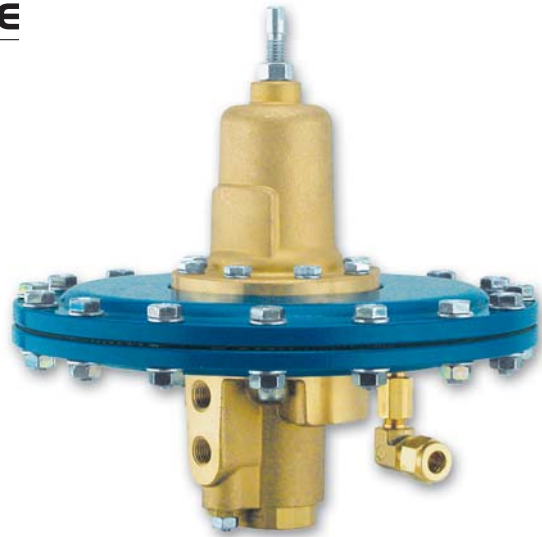
Pressure Rating: 16 bar (230 psi)
Working Temperature: Water up to 80°C (180°F)
Flow Factor: Kv 1.0 (Cv 1.2)
Standard Materials:
Body & cover: Brass
Diaphragm Covers: Fusion bonded epoxy coated Steel
Elastomers: NBR
Internals: Stainless Steel & Brass
Spring: Galvanized Steel
Optional Materials:
Metal Parts:
 Stainless Steel, Nickel Aluminum Bronze, Hastalloy
Elastomers: FPM (Viton®)

Adjustment Range

Code	Pilot		
	Meter	Feet	
M6	2-14	7-46	Standard
M5	5-22	17-72	
M4	15-35	49-115	Optional
M8	25-70	82-230	

Connections

Z - Upstream
A - Valve control chamber
C - Downstream
Sensing - For altitude control – still point at reservoir bottom
 For pressure reducing – to valve downstream



Weights: M6 -10 Kg / 22 lbs. M5 -11 Kg / 24 lbs.
 M4 -19 Kg / 42 lbs. M8 -22 Kg / 49 lbs.

