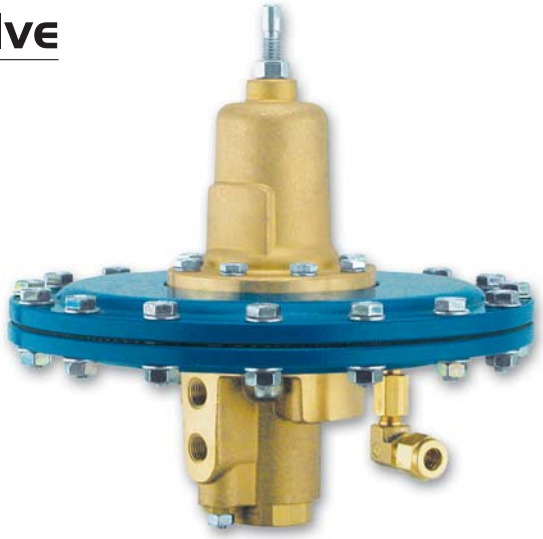
High Sensitivity Pressure Sustaining Pilot Valve



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.
The pilot modulates open as upstream pressure rises above set point. An integral needle valve acts as an upstream flow restrictor as well as a closing speed control.

Typical Applications

- Modulating Altitude Level Control Valves (at reservoir outlet) sizes 1½-14”
- High Sensitivity Pressure Sustaining Valves sizes 1½-14”

Technical Data

Pressure Rating: 16 bar (230 psi)
Working Temperature: Water up to 80˚C (180˚F)
Flow Factor: Kv 1.1 (Cv 1.3)
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®)

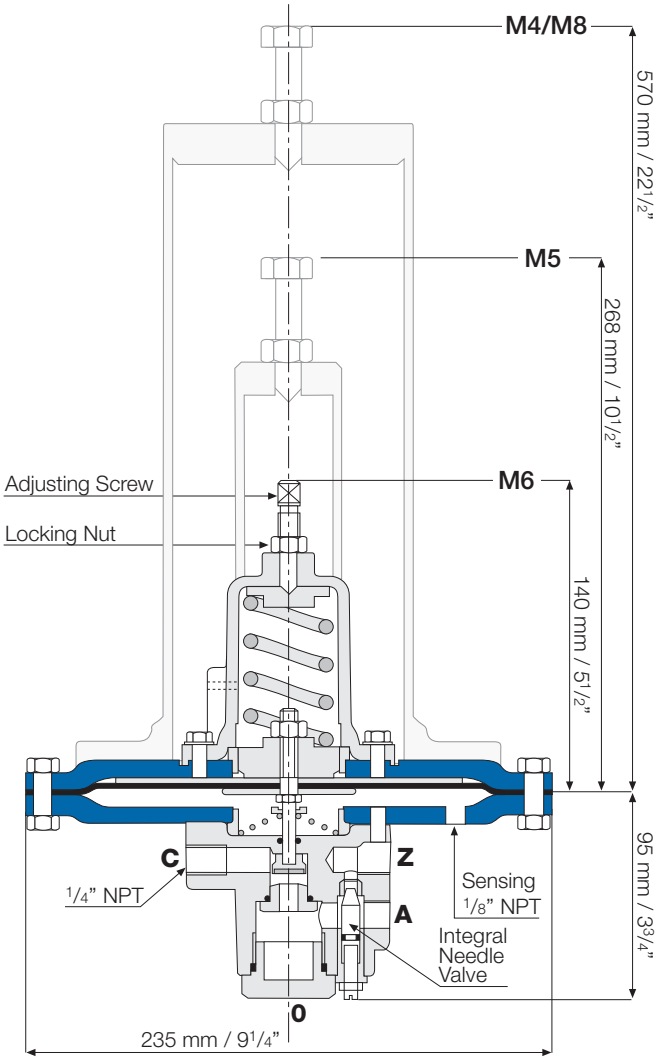
Adjustment Range

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

Standard
Optional

Connections

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



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