



Altitude Positioning Pilot Valve

This high sensitivity, direct acting, 3-Way positioning pilot is actuated by a pressure responsive diaphragm, which tends to reach equilibrium with the set spring force.

The pilot directs flow and pressure between its ports:

- When sensed pressure is above set point,
It connects port "C" to "O"
- When sensed pressure is equal to set point,
it blocks connections between all ports
- When sensed pressure is below set point,
it connects port "C" with "A" and "Z"

An integral needle valve restricts flow through port "Z"

Technical Data

Pressure Rating: 16 bar (230 psi)

Working Temperature: Water up to 80°C (180°F)

Flow Factor:

Closing (O to C): Kv 0.26 (Cv 0.3)

Opening (C to A): Kv 0.35 (Cv 0.4)

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

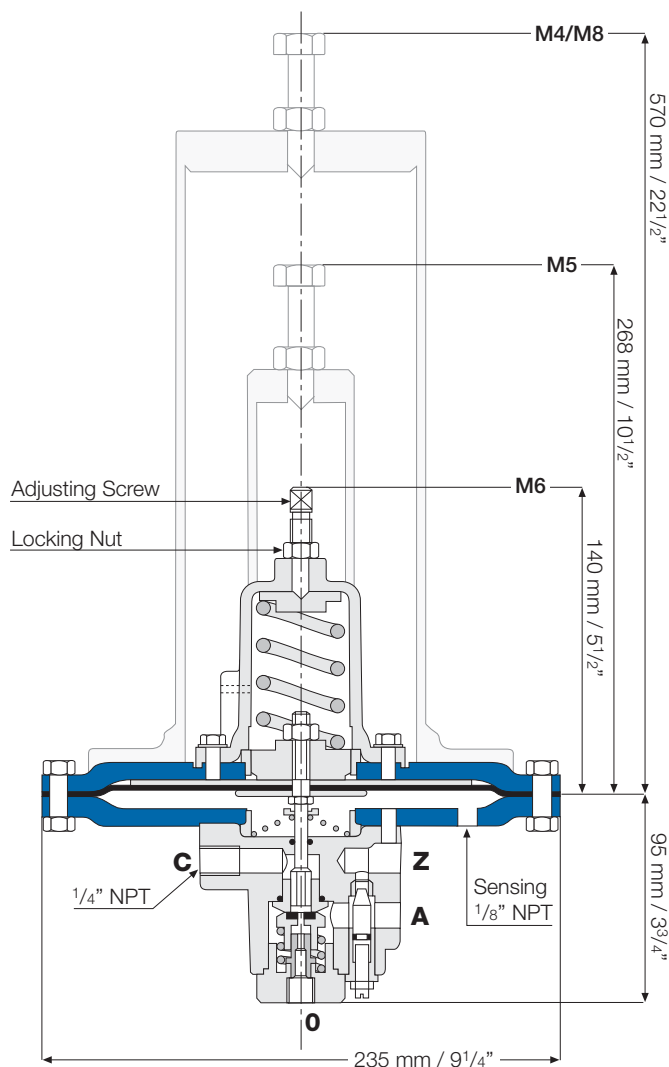
O - Upstream

C - Valve control chamber

A - Vent (**Z** plugged)

Z - Vent through needle valve (**A** plugged)

Sensing - Still point at reservoir bottom



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