



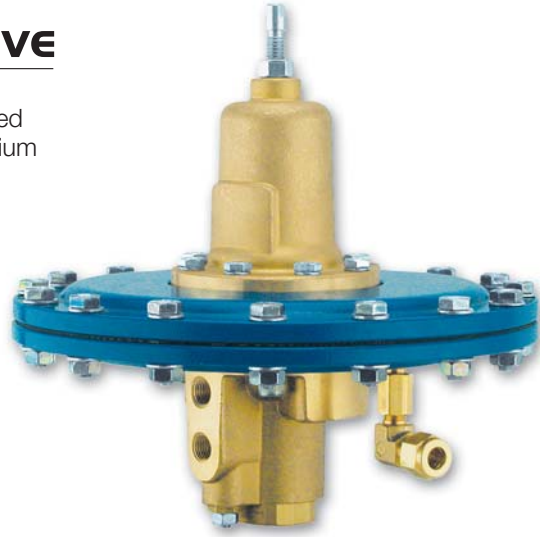
## Altitude Positioning Pilot Valve

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	Standard
M5	5-22	17-72	
M4	15-35	49-115	Optional
M8	25-70	82-230	

### Connections

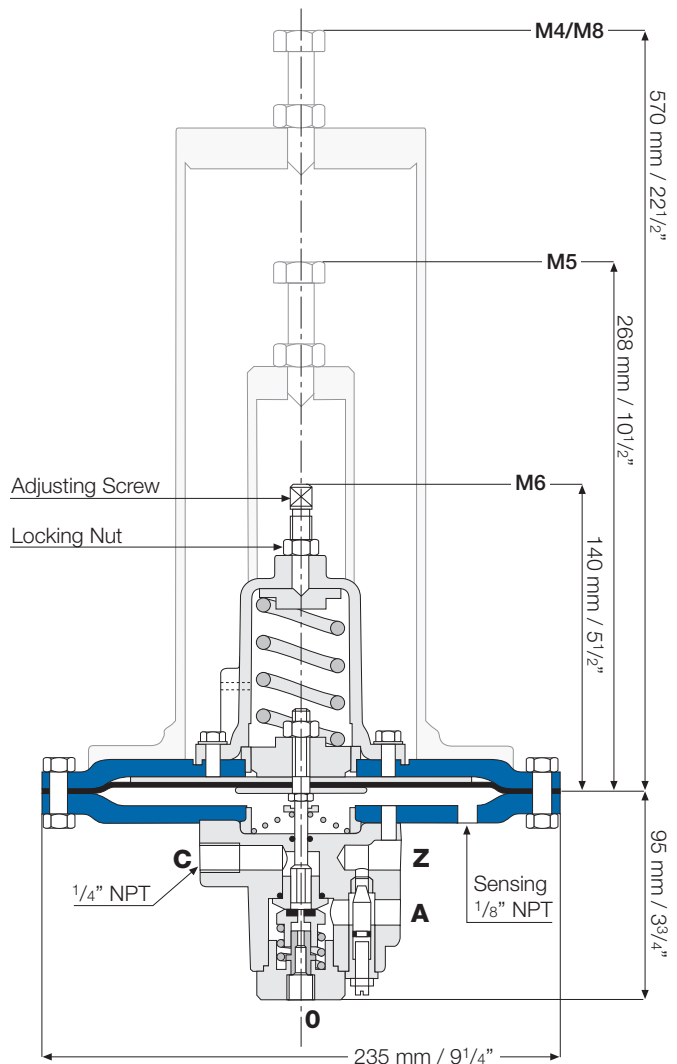
**O** - Upstream

**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.

