



# High Capacity Pressure Reducing Pilot Valve

## Model FP#2HC

The BERMAD FP#2HC is a High Capacity, direct acting and spring loaded diaphragm type, Pressure Reducing Pilot Valve.

The single port is actuated by a pressure responsive, spring loaded diaphragm, which tends to reach equilibrium with the adjustable pre-set spring force, thereby reducing the high inlet pressure to the chosen pre-set outlet pressure value.

When installed as a Pressure Reducing pilot valve on BERMAD Water Control or Deluge valves, it automatically controls the main valve to reduce a higher inlet pressure to a lower pre-set outlet pressure, maintaining the chosen outlet pressure regardless of fluctuations in pressure or flow in the inlet supply line. The balanced poppet design ensures high accuracy and stability.

### Features

- Internal pressure sensing
- Differential pressure sensing option

### Typical Applications

- 400Y pressure control deluge, sizes 12-16" (model FP#2PC)
- 42T pressure reducing valves, sizes 12-16" (model FP#2HC)
- PDCV, Pressure Differential Control Valve (model FP#2HC-D)
- Direct-Acting Water Pressure Reducing Valve (model FP#2HC)

### Technical Data

- Process Connections: 1/2" NPT or 3/4" ISO-7 Rp
- Pressure Rating: 25 bar (365 psi)
- Working Temperature: Water up to 80°C (180°F)
- Flow Factor: Kv 4.4 (Cv 5.1)

### Standard Materials

- Body & Cover: Brass
- Elastomers: NBR
- Internals: Stainless Steel & Brass
- Spring: Galvanized Steel

### Optional Materials

- All Stainless Steel 316, CF8M Body
- Nickel Aluminum Bronze ASTM B148 C95800
- Super Duplex S.S.

### Adjustment Range

Spring	Pressure		Standard
	bar	psi	
16	2-16	30-235	Standard

### Connections

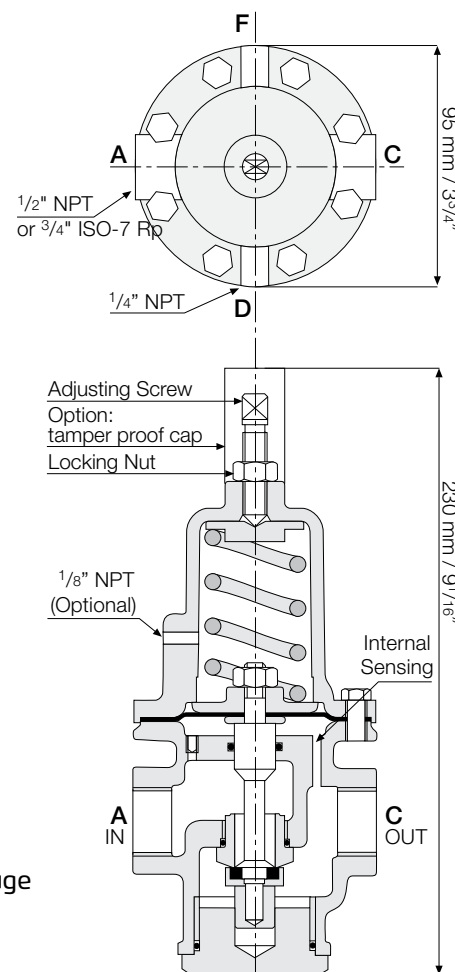
A - Valve control chamber

C - Downstream

F/D - External sensing / pressure gauge



(for Illustration Only)



Weight: 3.4 Kg / 7.5 lbs.