

HIGH SENSITIVITY DIFFERENTIAL FLOW RATE PILOT VALVE

Model 7 (FR)

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 flow control circuit, the pilot modulates closed as the differential pressure rises above set point.

Features

- High sensitivity allows ultra-low differential pressure readings

Typical Applications

- Flow Limiting with Pitot Tube Sensor, Primarily for Large Systems

Technical Data

Pressure Rating: 230 psi

Water Temperature Range: 32-150 °F

Flow Factor: Cv 1.2

Weight: 22 Lbs

Standard Materials:

Body: Brass or Stainless Steel 316

Cover: Brass or Stainless Steel 316

Diaphragm Covers: Epoxy coated steel

Diaphragm & Seals: NBR or EPDM

Internal Parts: Stainless Steel & Brass

Spring: Stainless Steel

Optional Materials:

Diaphragm Covers: Stainless Steel 316

Diaphragm & Seals: FPM (Viton®)

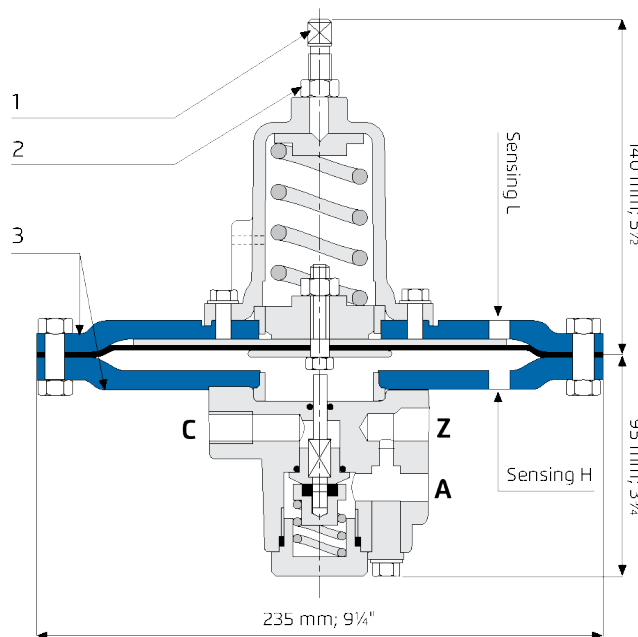
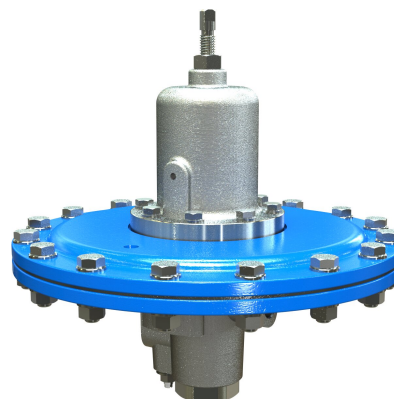
For other materials contact BERMAD

Adjustment Range:

Spring	Setting range
3	0.5-6.6 feet

Pitot tube sensor compatible

Refer to Pitot Tube product page



Part	Description
1	Adjusting screw
2	Locking nut
3	Diaphragm covers

Port	Size	Connections
C	1/4" NPT	Valve Control Chamber
A	1/4" NPT	Downstream
Z	1/4" NPT	Plugged
Sensing H	1/8" NPT	High pressure sensing
Sensing L	1/8" NPT	Low pressure sensing

Always recommended to refer to control diagram