# **BERMAD** Waterworks

## **Pilot Series**

# **Pressure Reducing Pilot Valve** with Remote Adjustable Set Point

#### Model #2-4T

This pilot integrates all principal functions of a 2-Way control circuit in a single assembly. It is a direct-acting valve, actuated by a pressure responsive diaphragm, which tends to reach equilibrium with the set spring force. Pilot setting can be changed remotely using a dedicated control system. An integral needle valve acts as an upstream flow restrictor as well as a closing speed control.

#### **Features**

- Fail safe to high setting
- Large range of settings
- Frictionless design
- Integral needle valve
- Internal or external pressure sensing
- Direct pressure gauge installation
- Adjusting screw protecting cover

#### **Typical Application**

Pressure reducing valves in leakage controlled systems

#### **Technical Data**

Pressure Rating: 40 bar (600 psi) Working Temperature: Water up to 80°C (180°F) Flow Factor: Kv 1.0 (Cv 1.2) Standard Materials: Body: Brass Covers & Adapter: Anodized Aluminum Elastomers: NBR (Buna N) Internals: Stainless Steel & Brass Spring: Galvanized Steel Bolts & Nuts: Stainless Steel Optional Materials: Metal Parts: Stainless Steel, Nickel Aluminum Bronze, Hastalloy Elastomers: EPDM, FPM (Viton®)

#### Adjustment Range

Spring	Pressure	
	bar	psi
10 (Standard)	0.8-8	11-115
16 (Optional)	3-16	45-230

### **Remote Adjusting Range**

 $\Delta Pset = Pa \times 5$  (Standard)

When:

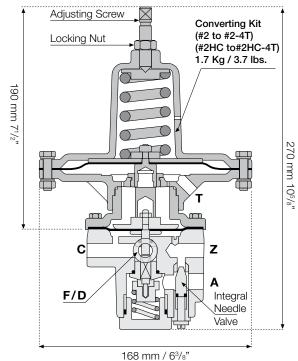
 $\Delta Pset = Max$ . differential pressure between high and low set points

Pa = Max. pressure available from the control unit

#### **Connections**

- Z Upstream 1/4" NPT
- A Valve control chamber 1/4" NPT
- C Downstream 1/4" NPT
- F/D External sensing/pressure gauge 1/4" NPT
- Remote setting control 1/8" NPT





Total weight: 3.7 Kg / 8.2 lbs.



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