



# 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

$$\Delta P_{set} = P_a \times 5 \text{ (Standard)}$$

When:

$\Delta P_{set}$  = Max. differential pressure between high and low set points

$P_a$  = Max. pressure available from the control unit

### Connections

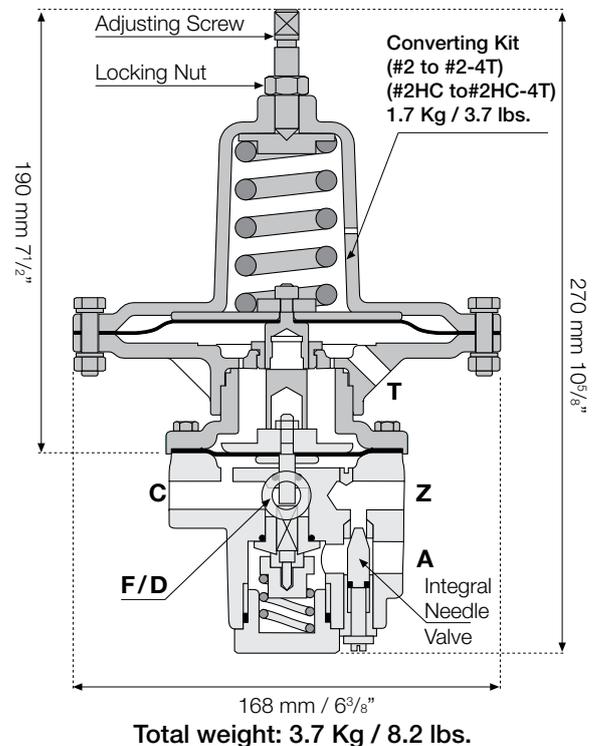
**Z** - Upstream - 1/4" NPT

**A** - Valve control chamber - 1/4" NPT

**C** - Downstream - 1/4" NPT

**F/D** - External sensing/pressure gauge - 1/4" NPT

**T** - Remote setting control - 1/8" NPT





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