

# HIGH CAPACITY PRESSURE REDUCING PILOT VALVE

## Model #2HC

This is a direct acting valve, actuated by a pressure responsive diaphragm, which tends to reach equilibrium with the set spring force. Fully balanced trim ensures high accuracy and stability.

When used in a pressure reducing circuit, the pilot modulates closed as downstream pressure rises above set point.

### Features

- Internal or external pressure sensing
- Differential pressure sensing
- Direct pressure gauge installation
- Non-tamper safety cap

### Typical Applications

- High-quality Direct Acting Pressure Reducing Valve with superior regulation performance
- Pressure Reducing Valves sizes 16-32" (Standard model #2HC)
- Flow Control Valves sizes 16-32" (Modified to differential sensing #2HC-DR)
- Surge Anticipating Valves sizes 6-20" as low pressure pilot (Modified to external pressure sensing #2HC-R)
- Closing surge control (additional feature 49) for sizes 16-32" (Modified to external pressure sensing #2HC-R)
- Low Flow Bi-Pass

### Technical data

**Pressure Rating:** 25 bar; 400 psi

**Working Temperature:** Water up to 70°C; 160°F

**Flow Factor:** Kv 4.4; Cv 5.1

#### Standard Materials:

**Body:** Stainless Steel 316

**Cover:** Stainless Steel 316 (Optional: Brass)

**Elastomers:** NBR

**Internals:** Stainless Steel & Brass

**Spring:** Galvanized Steel

#### Optional Materials:

**Internals:** Stainless Steel 316, NAB, Hastalloy

**Springs:** Stainless Steel 316, Stainless Steel 302, Inconel, Titanium

**Elastomers:** EPDM, VITON

### Adjustment Range

Spring	Pressure		
	bar	psi	
3	0.5-3	7-43	
10	0.8-10	11-150	
16	1-16	15-230	Standard
25*	2-25	30-350	Optional

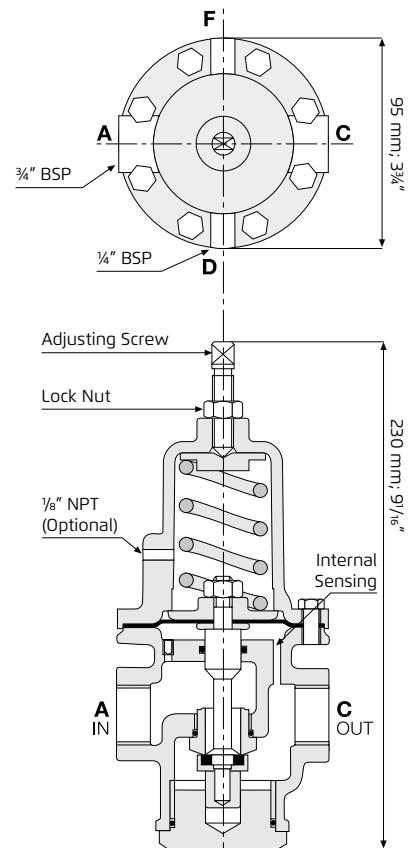
\* With high pressure setting kit

### Connections

**A** - Valve control chamber    **C** - Downstream

**F/D** - External sensing (optional) / pressure gauge

Upstream pressure is connected to valve control chamber via a restriction.



**Weight: 3.3 Kg; 7.3 lbs.**

High pressure setting kit add 128; mm; 5" to pilot height.

