

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	Standard
10	0.8-10	11-150	
16	1-16	15-230	
25*	2-25	30-350	
			Optional

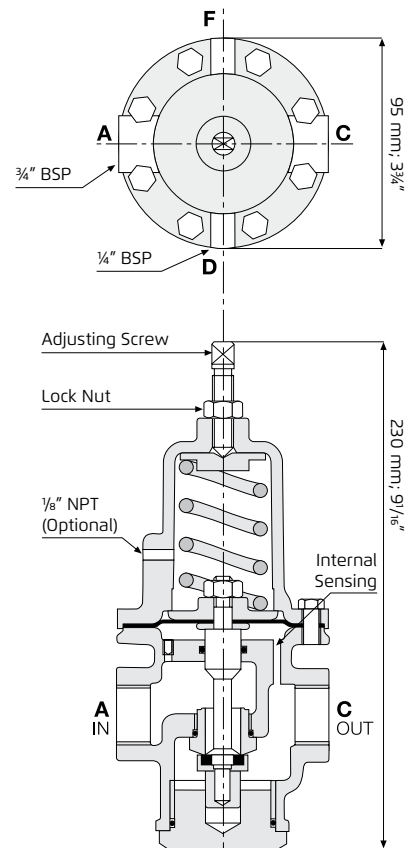
* With high pressure setting kit

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.