



High Capacity Pressure Sustaining Pilot Valve

This is a direct acting valve, actuated by a pressure responsive diaphragm, which tends to reach equilibrium with the set spring force. When used in a pressure relief/sustaining circuit, the pilot modulates open as upstream pressure rises above set point.

Features

- Internal or external pressure sensing
- Differential pressure sensing
- Direct Pressure gauge installation

Typical Applications

- Pressure Relief/Sustaining Valves sizes 16-32" (Standard model #3HC)
- Differential Pressure Sustaining 16-32" (Modified to differential sensing #3HC-DR)
- Surge Anticipating Valve sizes 6-14" as high pressure pilot (Modified to external pressure sensing #3HC-R)

Technical Data

Pressure Rating: 25 bar (350 psi)

Working Temperature: Water up to 80°C (180°F)

Flow Factor: Kv 4.7 (Cv 5.5)

Standard Materials:

Body: Bronze

Cover: Brass

Elastomers: NBR

Internals: Stainless Steel & Brass

Spring: Galvanized Steel

Optional Materials:

Metal Parts: Stainless Steel, Nickel Aluminum Bronze, Hastalloy

Elastomers: FPM (Viton®)

Adjustment Range

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

* With high pressure setting kit

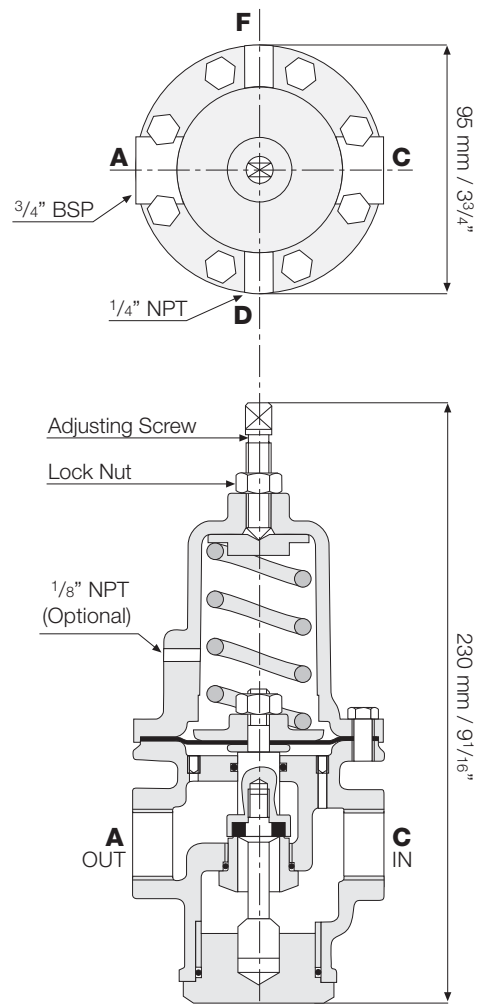
Connections

C - Valve control chamber

A - Downstream

F/D - External sensing/pressure gauge

Upstream pressure is connected to valve control chamber via a restriction



Weight: 3.4 Kg / 7.5 lbs.

* High pressure setting kit add 128 mm (5") to pilot height.