

Accessories



General representation



Fire Protection

Pressure Reducing 2-Way Pilot Valve

Description

A 2-Way, diaphragm actuated, spring-loaded pressure reducing pilot valve, applicable for service on pressure reducing, deluge and pre-action valve trims. The pilot modulates to maintain a steady, pre-set downstream pressure, regardless of upstream pressure or flow rate fluctuations. As downstream pressure falls below the set point, it opens a full passage between its "In" and "Out" ports, relieving the valve's control chamber to the downstream and allowing the valve to open. As downstream pressure rises above the set point, the CXPR throttles, restricting the flow out of the valve's control chamber, keeping its position or closing the valve (if necessary).

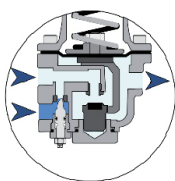
Certification & Compliance

UL Listed (when installed on OCV control valves)

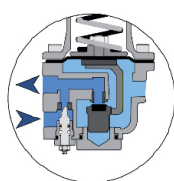


Features & Benefits

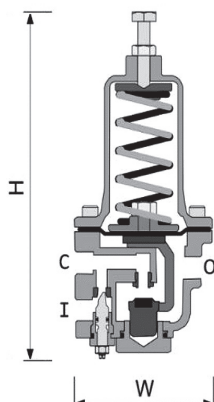
- 2-way pilot valve for high accuracy pressure reducing applications
- Wide regulation range: a single spring is used for setting range of 3-19 bar / 45-275psi
- Superb accuracy and repeatability
- Integral stainless steel needle valve - highly accurate and simplifies the control trim
- No internal sealing allows for maximum dependability
- Easy to adjust



Low pressure



High pressure



Operation

General		
Working Pressure Range		25 bar / 360 psi
Pressure Adjustment Range		0.3 -25 bar / 4-360 psi
Working Temperature		80°C Max / 175°F Max
Weight		2.2 kg / 4.9 lbs
Materials	Standard	
Body & Bonnet	Brass	
Internal Parts	Stainless Steel	
Spring	Stainless Steel	
Elastomers	NBR	
Dimensions		
H (Height) max	215 mm / 8 ²³ / ₅₀ "	
W (Width)	84 mm / 3 ³¹ / ₁₀₀ "	
Port	Size	Connection
I	1/4" NPT	Upstream
C	1/4" NPT	Control Chamber
O	1/4" NPT	Downstream
Spring Ranges	psi	bar
53 (Standard)	45-275	3-19
125	215-500	15-35
108	5-50	0.3-3.5

*Other materials available upon request. Minimum quantities may apply.