













General representation

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 preaction 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

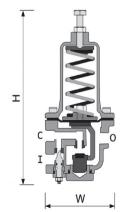


Low pressure





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
С	1/ ₄ " NPT		Control Chamber
0	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.

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