

Accessories



General representation



Fire
Protection

Pressure Sustaining/Relief 2-Way Pilot Valve

Description

A 2-Way, diaphragm actuated, spring-loaded, pressure sustaining/relief pilot valve, applicable for service on pressure sustaining/relief valve trims. It modulates to maintain a steady, pre-set pressure, upstream of the valve's location. As upstream pressure rises above the set value, the CXPS opens to allow water flow between its "COM" and "OUT" ports, relieving the water from the valve's control chamber and causing the valve to open. As upstream pressure falls below the set value, the CXPS throttles, restricting the flow out of the valve's control chamber, limiting the valve's opening or causing it to close (if necessary).

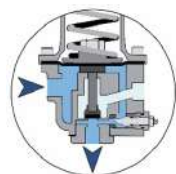
Certification & Compliance

UL Listed (when installed on OCV control valves)



Features & Benefits

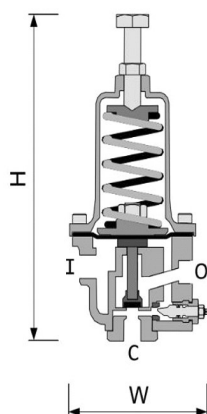
- 2-way pilot valve for high accuracy pressure sustaining/relief applications
- Integral stainless steel needle valve - highly accurate and simplifies the control trim
- Wide regulation range: a single spring is used for setting range of 3-19 bar / 45-275psi
- Easy to adjust



Low pressure



High pressure



Operation

General		
Pressure Rating	40 bar / 580psi	
Pressure Adjustment Range	0.3 -35 bar / 5-500psi	
Fluid Temperature	80°C max / 175°F max	
Weight	2.2 kg / 4.9 lbs	
Materials	Standard	Optional*
Body & Bonnet	Brass	Stainless Steel
Internal Parts	Stainless Steel	Stainless Steel
Spring	Stainless Steel	Stainless Steel
Elastomers	EPDM	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	1/2" 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.