

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, preset pressure, upstream of the valve's location. As upstream pressure rises above the set value, the 68-500 opens to allow waterflow 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 68-500 throttles, restricting the flow out of the valve's control chamber, limiting the valve's opening or causing it to close (if necessary).

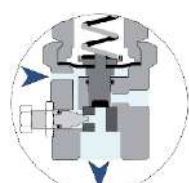
Certification & Compliance

UL Listed (when installed on OCV control valves)

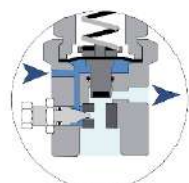


Features & Benefits

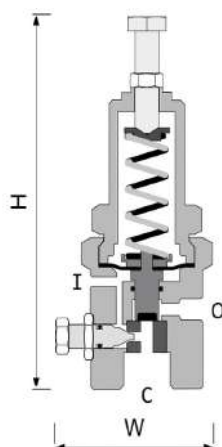
- 2-way pilot valve for high accuracy pressure sustaining/relief applications
- Integral stainless steel needle valve - highly accurate & simplifies the control trim
- Minimal internal sealing and maximum dependability
- Easy to adjust



Low pressure



High pressure



Operation

General			
Pressure Rating	25 bar / 360psi		
Pressure Adjustment Range	0.5 -12 bar / 7-175psi		
Fluid Temperature	80°C max / 175°F max		
Weight	1 kg / 2.2 lbs		
Materials	Standard	Optional*	
Body & Bonnet	Brass	Stainless Steel	
Internal Parts	Stainless Steel	Stainless Steel	
Spring	Stainless Steel	Stainless Steel	
Elastomers	NBR	EPDM	
Dimensions			
H (Height) max	170 mm / 6 ⁶⁹ / ₁₀₀ "		
W (Width)	65 mm / 2 ³ / ₅ "		
Port	Size	Connection	
I	1/4" NPT	Upstream	
C	1/4" NPT	Control Chamber	
O	1/4" NPT	Downstream	
Spring Ranges	Color	psi	bar
66 (Standard)	Green	10-175	0.6-12
78	Yellow	7-45	0.5-3

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