



Model 68-500



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).

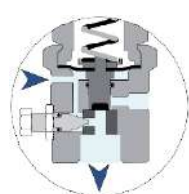
Certification & Compliance

UL Listed (when installed on OCV control valves)

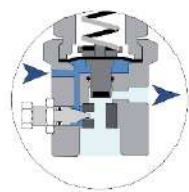


Features & Benefits

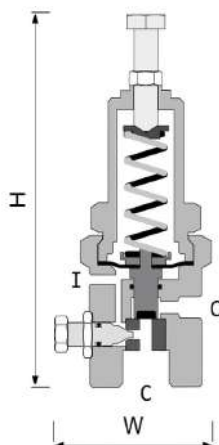
- 2-way pilot valve for high accuracy pressure sustaining/relief applications
- Integral stainless steel needle valve - highly accurate & simplifies the control trim
- Minimal internal sealing and maximum dependability
- Easy to adjust



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.

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