

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 68-710 opens to allow water flow between its 4 and 3 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 68-710 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)

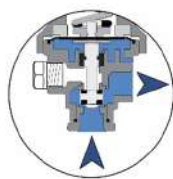


Features & Benefits

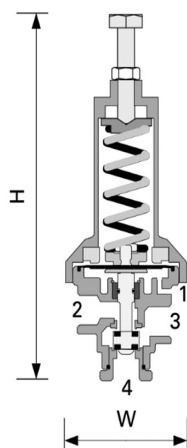
- Wide regulation range (can be set up to 33 bar/480psi)
- Large water passages allow high flow capacity and fast reaction
- Accurate and easy to adjust
- Simple design and maximal dependability



Normal pressure



High pressure



Operation

General			
Pressure Rating	40 bar / 580psi		
Pressure Adjustment Range	0.5 -33 bar / 7-480psi		
Fluid Temperature	80°C max / 175°F max		
Weight	1.9 kg / 4.2 lbs		
Materials	Standard	Optional*	
Body & Bonnet	Brass	Stainless Steel	
Internal Parts	Stainless Steel & Brass	Stainless Steel	
Spring	Stainless Steel	Stainless Steel	
Elastomers	EPDM	NBR	
Dimensions			
H (Height) max	230 mm / 9"		
W (Width)	84 mm / 3 3/10"		
Port	Size	Connection	
1	1/4" NPT	Upstream	
2	1/2" NPT	Plugged	
3	1/2" NPT	Control	
4	1/2" NPT	Vent	
Spring Ranges	Color	psi	bar
47 (Standard)	Green	10-300	0.7-20
42	Yellow	7-150	0.5-10
50	Red	15-480	1-33

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