

Accessories



General representation



Fire Protection

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 pre-action 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 PRF throttles, restricting the flow out of the valve's control chamber, keeping its position or closing the valve (if necessary).

Certification & Compliance

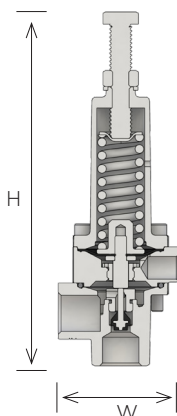
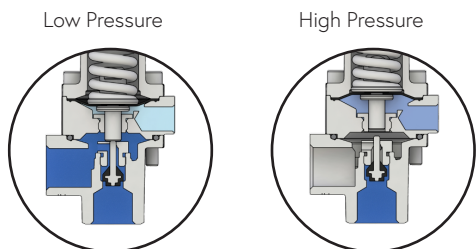
FM Approval (when installed on OCV 68F control valves)



Features & Benefits

- 2-way pilot valve for high accuracy pressure reducing applications
- Wide regulation pressure range with single spring model
- Superb accuracy and repeatability
- Integral stainless steel needle valve

Operation



Technical Specifications

General		
Working Pressure Rating	25 bar / 365 psi	
Pressure Adjustment Range	0.15-16 bar / 2.2-230 psi	
Working Temperature	80°C Max / 175°F Max	
Weight	0.9 kg / 1.98 lbs	
Materials	Standard	Optional*
Body & Bonnet	Brass	SST 316
Internal Parts	Brass, PTFE	SST 316, PTFE
Spring	SST	SST 316
Elastomers	EPDM, NBR	EPDM
Port	Size	Connection
2	1/2" NPT	Upstream
-	1/2" NPT	Control Chamber
-	1/4" NPT	Downstream
Spring Ranges	psi	bar
124 (Standard)	2.2-230	0.15-16
125	215-500	15-35
108	5-50	0.3-3.5
Dimensions		
H (Height) max	186 mm / 7.322"	
W (Width)	63 mm / 2.48"	

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