OCV Model 68-710

Aquestia
Directing the Flow

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)
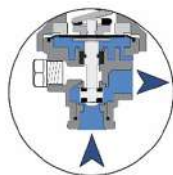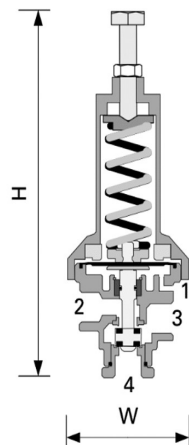
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Features & Benefits

– 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.

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