

CXPS

Pressure Sustaining / Relief 2-Way Pilot Valve

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 CXPS opens to allow water flow 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 CXPS throttles, restricting the flow out of the valve's control chamber, limiting the valve's opening or causing it to close (if necessary).



*General representation

CERTIFICATION & COMPLIANCE

- UL Listed when installed on OCV Fluid Solutions models



FEATURES & BENEFITS

- 2-way pilot valve for high accuracy pressure sustaining/relief applications
- Integral stainless steel needle valve - highly accurate and simplifies the control trim
- Wide regulation range: a single spring is used for setting range of 3-19 bar / 45-275psi
- Easy to adjust

TECHNICAL DATA

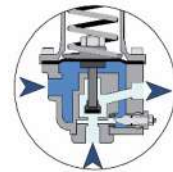
GENERAL		
Pressure Rating	40 bar / 580psi	
Pressure Adjustment Range	0.3 -35 bar / 5-500psi	
Fluid Temperature	80°C max / 175°F max	
Weight	2.2 kg / 4.9 lbs	
MATERIALS	STANDARD	OPTIONAL*
Body & Bonnet	Brass	Stainless Steel
Internal Parts & Spring	Stainless Steel	Stainless Steel
Elastomers	EPDM	NBR
DIMENSIONS		
H (Height) max	215 mm / 8.46"	
W (Width)	84 mm / 3.31"	
PORT	SIZE	CONNECTION
I	1/4" NPT	Upstream
C	1/4" NPT	Control Chamber
O	1/2" NPT	Downstream

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

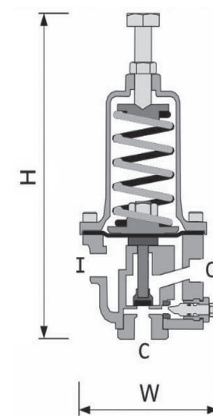
SPRING NUMBER	bar	psi
53 (Standard)	3-19	45-275
125	15-35	215-500
108	0.3-3.5	5-50



Low pressure



High pressure



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