

CXPR

Pressure Reducing 2-Way Pilot Valve

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



*General representation

CERTIFICATION & COMPLIANCE

- UL Listed when installed on OCV Fluid Solutions models



FEATURES & BENEFITS

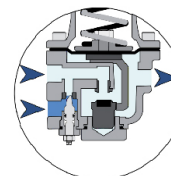
- 2-way pilot valve for high accuracy pressure reducing applications
- Wide regulation range: a single spring is used for setting range of 3-19 bar / 45-275psi
- Superb accuracy and repeatability
- Integral stainless steel needle valve - highly accurate and simplifies the control trim
- No internal sealing allows for maximum dependability
- Easy to adjust

TECHNICAL DATA

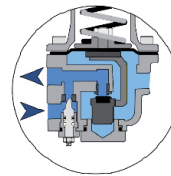
GENERAL		
Pressure Rating	40 bar / 580psi	
Pressure Adjustment Range	0.3 -35 bar / 5-500psi	
Fluid Temperature	80°C max / 175°F max	
Weight	2.2 kg / 4.9 lbs	
MATERIALS	STANDARD	OPTIONAL*
Body & Bonnet	Brass	Stainless Steel
Internal Parts & Spring	Stainless Steel	Stainless Steel
Elastomers	EPDM	NBR
DIMENSIONS		
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	1/4" NPT	Downstream

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

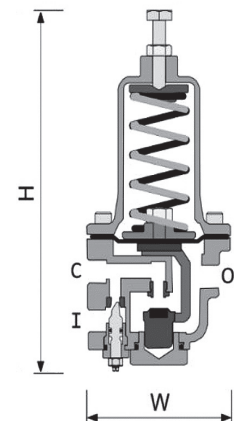
SPRING NUMBER	bar	psi
53 (Standard)	3-19	45-275
125	15-35	215-500
108	0.3-3.5	5-50



Low pressure



High pressure



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