



Accessories







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 preaction 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).



Certification & Compliance

UL Listed (when installed on OCV control valves)





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

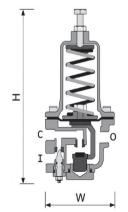








High pressure



Operation

| 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 | Stainless Steel | | Stainless Steel |
| Spring | Stainless Steel | | Stainless Steel |
| Elastomers | EPDM | | NBR |
| Dimensions | | | |
| H (Height) max | 215 mm / 8 ²³ / ₅₀ " | | |
| W (Width) | 84 mm / 3 ³¹ / ₁₀₀ " | | |
| Port | Size | | Connection |
| 1 | 1/ ₄ " NPT | | Upstream |
| С | 1/4" NPT | | Control Chamber |
| 0 | 1/ ₄ " NPT | | Downstream |
| Spring Ranges | psi | | bar |
| 53 (Standard) | 45-275 | | 3-19 |
| 125 | 215-500 | | 15-35 |
| 108 | 5-50 | | 0.3-3.5 |

^{*}Other materials available upon request. Minimum quantities may apply.

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