CXPS METAL PILOTS 2-WAY PILOT-VALVE PRESSURE-SUSTAINING/RELIEF



DESCRIPTION

The **CXPS** is a 2-way, diaphragm actuated, spring-loaded, pressure-sustaining pilot-valve, designed for control of hydraulically actuated valves. The pilot valve modulates to keep a steady, pre-set pressure upstream of the valve's location. As the upstream pressure rises above the adjusted value, the pilot-valve opens to allow water flow between its "COM" and "OUT" ports, thus allowing the water in the main valve's chamber to be vented out to the downstream, causing the main valve to open. As the downstream pressure falls below the set-value, the pilot valve throttles the internal passage, restricting the flow out of the main valve's control-chamber, restricting the valve's opening or causing it to close (if necessary).

FEATURES

Normally-close, will open when the upstream pressure exceed the adjustable spring setting

Integral SST needle valve - highly accurate and simplify the control-loop assembly

Wide regulation range: one spring is used for most of the setting range

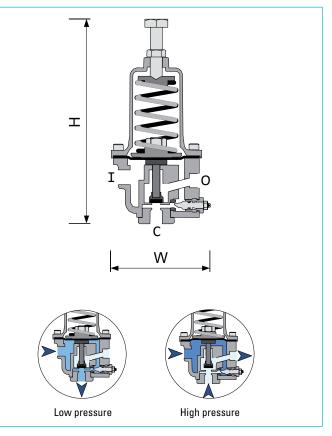
APPLICATIONS

Pressure sustaining control valves - **PS** Pressure relief valve - **PS(R)** Quick acting pressure-relief - **QR**

	GENERAL		
PRESSURE RATING	25 bar / 360 psi		
PRESSURE ADJUSTMENT RANG	E 0.3 - 35	0.3 - 35 bar / 4 - 500 psi	
FLUID TEMPERATURE	80°C m	80°C max. / 176°F max.	
WEIGHT	2.23	2.23 Kg / 4.92 lbs	
MATERIALS	STANDARD	OPTIONAL*	
BODY AND BONNET	Brass	SST or Bronze	
ELASTOMERS	NBR	EPDM	
INTERNAL PARTS	SST	-	
SPRING	SST	-	
DI	MENSIONS		
H (HEIGHT) MAX.	215	215 mm / 8.46"	
W (WIDTH)	84 1	84 mm / 3.31"	
PORT	CONNECTIONS		
I, C	1	NPT 1/4"	
0	1	NPT 1/2"	
* Other materials available upon den	nand		
SPRING NUMBER	BAR	PSI	
53 (Std.)	2.5 - 19	37 - 275	
125	15 - 35	215 - 500	
108	0.3 - 3.5	4 - 50	

Adjustment: Turn the adjusting screw clockwise to increase the set point





53

GROW MORE WITH LESS