



CXPR

METAL PILOTS 2-WAY PILOT-VALVE PRESSURE-REDUCING



DESCRIPTION

The **CXPR** is a 2-way, diaphragm actuated, spring-loaded pressure reducing pilot-valve, designed for control of hydraulic valves. The pilot valve modulates to keep a steady, pre-set downstream pressure. As the downstream pressure falls below the set-value, the pilot valve opens a full passage between its "IN" and "OUT" ports thus allowing the valve to open by venting the control chamber pressure to the downstream side of the valve. As the downstream pressure rises above the set-value, the pilot valve throttles the internal passage, restricting the flow out of the main valve control chamber and causing the main valve to keep its position or to close (if necessary).

FEATURES

A single spring is used for setting range of 1.5 to 20 bar (20 - 300 psi). No need for different springs for that range
Integral SST needle valve - highly accurate and simplify the control-loop assembly

APPLICATIONS

Pressure reducing - **PR**

GENERAL		
PRESSURE RATING	25 bar / 360 psi	
PRESSURE ADJUSTMENT RANGE	0.3 - 35 bar / 4 - 500 psi	
FLUID TEMPERATURE	80°C max. / 176°F max.	
WEIGHT	2.21 Kg / 4.9 lbs	
MATERIALS	STANDARD	OPTIONAL*
BODY AND BONNET	Brass	SST or Bronze
ELASTOMERS	NBR	EPDM
INTERNAL PARTS	SST	-
SPRING	SST	-
DIMENSIONS		
H (HEIGHT) MAX.	215 mm / 8.46"	
W (WIDTH)	84 mm / 3.31"	
PORT CONNECTIONS		
I, C, O	NPT 1/4"	

* Other materials available upon demand

SPRING NUMBER	COLOUR	BAR	PSI
53 (Std.)	3 - 19	44 - 275	20 - 175
125	15 - 35	215 - 500	
108	0.3 - 3.5	4 - 50	7 - 85

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

