



CXRS-D

METAL PILOTS
2-WAY PILOT-VALVE
DIFFERENTIAL-REDUCING



DESCRIPTION

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

FEATURES

Remote-sensing, differential-pressure reducing

Normally-open, allows water passage when the pressure-differential is lower than the adjusted spring setting

APPLICATIONS

Pressure differential reducing - **PD**

Flow rate control valves - **FR**

GENERAL

PRESSURE RATING	25 bar / 360 psi	
PRESSURE ADJUSTMENT RANGE	0.3 - 19 bar / 4 - 275 psi	
FLUID TEMPERATURE	80°C max. / 176°F max.	
WEIGHT	2.91 Kg / 6.4 lbs	

MATERIALS	STANDARD	OPTIONAL*
BODY AND BONNET	Brass	SST or Bronze
ELASTOMERS	NBR	EPDM
INTERNAL PARTS	SST+Brass	-
SPRING	SST	-

DIMENSIONS

H (HEIGHT) MAX.	215 mm / 8.46"
W (WIDTH)	84 mm / 3.31"

PORT CONNECTIONS

I, O, S-	NPT 1/4"
S+	NPT 1/8"

* Other materials available upon demand

SPRING NUMBER	BAR	PSI
53 (Std.)	3 - 19	44 - 275
108	0.3 - 3.5	4 - 50

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

