

# CXSD

## METAL PILOTS 2-WAY PILOT-VALVE DIFFERENTIAL PRESSURE SUSTAINING,



### DESCRIPTION

The **CXSD** is a 2-way, diaphragm actuated, spring-loaded differential pressure-sustaining 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 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 and causing the main valve to open. As the differential 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

Remote-sensing, differential-pressure sustaining

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

Wide regulation range - a single spring used for the whole range of 3 - 20 bar / 40 - 300 psi

### APPLICATIONS

Pressure differential sustaining - **DI**

Remote-controlled pressure sustaining - **PS/EL** or **PS/RC**

#### GENERAL

<b>PRESSURE RATING</b>	25 bar / 360 psi	
<b>PRESSURE ADJUSTMENT RANGE</b>	0.3 - 19 bar / 4 - 275 psi	
<b>FLUID TEMPERATURE</b>	80°C max. / 176°F max.	
<b>WEIGHT</b>	2.23 Kg / 4.92 lbs	
<b>MATERIALS</b>	<b>STANDARD</b>	<b>OPTIONAL*</b>
<b>BODY AND BONNET</b>	Brass	SST or Bronze
<b>ELASTOMERS</b>	NBR	EPDM
<b>INTERNAL PARTS</b>	SST+Brass	-
<b>SPRING</b>	SST	-

#### DIMENSIONS

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

#### PORT CONNECTIONS

<b>I, C</b>	NPT 1/4"
<b>O</b>	NPT 1/2"

\* Other materials available upon demand

SPRING NUMBER	BAR	PSI
53 (Std.)	2.5 - 19	37 - 275
108	0.3 - 3.5	4 - 50

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

