



31-10S & 31-10D

METAL MINI PILOT
 3-WAY PILOT-VALVE
 31-10S PRESSURE-SUSTAINING
 31-10D PRESSURE-DIFFERENTIAL SUSTAINING



DESCRIPTION

The **31-10S** and the **31-10D** are 3-way, diaphragm actuated, spring-loaded pilot-valves that are designed for control of pressure-sustaining hydraulic valves. The pilot valve serves as a selector between the common port and the two other ports. The pilot valve will vent, pressurize or lock the hydraulic valve's chamber as a factor of the relation between the regulated pressure and the adjusted set-value.

FEATURES

Fully vents the control chamber to open the main valve - allows minimizing pressure-losses, when upstream pressure rises above the set value.

APPLICATIONS

Pressure sustaining valves - **PS**
 Pressure differential sustaining - **DI**

GENERAL		
PRESSURE RATING	25 bar / 360 psi	
PRESSURE ADJUSTMENT RANGE	0.5 - 12 bar / 7 - 175 psi	
FLUID TEMPERATURE	60°C max. / 140°F max.	
WEIGHT	1.90 Kg / 4.2 lbs	
MATERIALS	STANDARD	OPTIONAL*
BODY AND BONNET	Brass	SST
ELASTOMERS	NBR	EPDM, Viton
INTERNAL PARTS	SST + PVDF	-
SPRING	SST	-
DIMENSIONS		
H (HEIGHT) MAX.	190 mm / 7.5"	
W (WIDTH)	60 mm / 2.4"	
PORT CONNECTIONS		
1,2,3,4	NPT 1/4"	
5	NPT 1/8"	

* Other materials available upon demand

SPRING NUMBER	COLOUR	BAR	PSI
124 (Std.)	Red	1.5 - 12	20 - 175
130	Green	0.5 - 6	7 - 85

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

