



31-10R

METAL MINI PILOT 3-WAY PILOT-VALVE PRESSURE-REDUCING



DESCRIPTION

The **31-10R** is a 3-Way, diaphragm actuated, spring- loaded pilot-valve that is designed for control of pressure-reducing 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 downstream pressure drops below the set value.
Pressure-balanced - will not be affected, even by large, upstream pressure-variations.

APPLICATIONS

- Pressure reducing valves - **PR**
- Surge anticipating - **RE**
- Differential pressure reducing - **31-1RD**

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

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	22 - 175
130	Green	0.5 - 6	7 - 85

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

