



31-10F

METAL MINI PILOT
3-WAY PILOT-VALVE
RATE OF FLOW



DESCRIPTION

The **31-10F** is a 3-way, diaphragm actuated, spring-loaded pilot-valve that is designed for control of flow-regulating 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 pressure differential across a supplementary orifice plate and the adjusted set-value.

FEATURES

Fully vents the control chamber to open the main valve - thus minimizing pressure-losses, when the differential pressure of the orifice drops below the set-value

Pressure-balanced, will not be affected by large upstream pressure-variations

Superb sensitivity & repeatability

APPLICATIONS

Flow rate control valves - **FR**

Pressure differential reducing - **PD**

GENERAL

PRESSURE RATING	25 bar / 360 psi	
PRESSURE ADJUSTMENT RANGE	2 - 60 mt / 3 - 90 psi	
FLUID TEMPERATURE	80°C max. / 175°F max.	
WEIGHT	1.70 Kg / 3.7 lbs	

MATERIALS	STANDARD	OPTIONAL*
BODY AND BONNET	Brass	SST
ELASTOMERS	NBR	EPDM, Viton
INTERNAL PARTS	SST	-
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
78 (Std.)	Yellow	2 - 7	3 - 10
130	Green	5 - 60	7 - 90

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

