**31-310** METAL PILOTS 3-WAY PILOT-VALVE MULTI-PURPOSE



# **DESCRIPTION**

The **31-310** is a 3-way, diaphragm actuated, spring- loaded pilot-valve that is designed for control of pressure-regulating hydraulicvalves. 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. The **31-310** pilot-valve can be used for implementing wide range of hydraulic control-functions.

### **FEATURES**

Minimize pressure losses through the main valve by completely venting the control chamber

Same pilot valve can be used for various control functions by simply changing the way it is connected to the valve Can be activated by hydraulic or pneumatic pressure

### **APPLICATIONS**

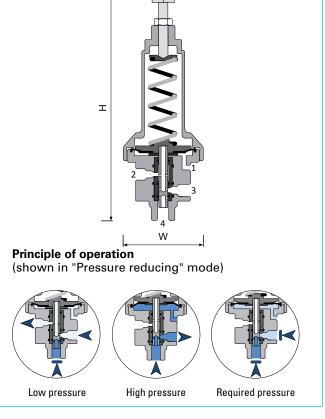
Pressure reducing valves - **PR** Pressure sustaining valves - **PS** 

GENERAL				
PRESSURE RATING	40 bar / 580 psi			
PRESSURE ADJUSTMENT RANGE	0.2 - 33 bar / 3 - 480 psi			
FLUID TEMPERATURE	80°C max. / 175°F max.			
WEIGHT	1.78 kg / 4 lbs			
MATERIALS	STANDARD	<b>OPTIONAL*</b>		
BODY AND BONNET	Brass	SST		
ELASTOMERS	NBR	EPDM		
INTERNAL PARTS	SST	-		
SPRING	SST	-		
DIME	INSIONS			
H (HEIGHT) MAX.	221 mm / 8.70"			
W (WIDTH)	83 mm / 3.27"			
PORT CO	NNECTIONS			
1,2,3,4	NPT 1/4"			
* Other materials available upon deman	d			

COLOUR	BAR	PSI
Green	0.5 - 10	7 - 150
Yellow	0.3 - 6	4 - 90
Red	0.6 - 15	9 - 220
No Colour	0.2 - 0.5	3 - 7
	Green Yellow Red	Green 0.5 - 10   Yellow 0.3 - 6   Red 0.6 - 15

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





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### **GROW MORE WITH LESS**