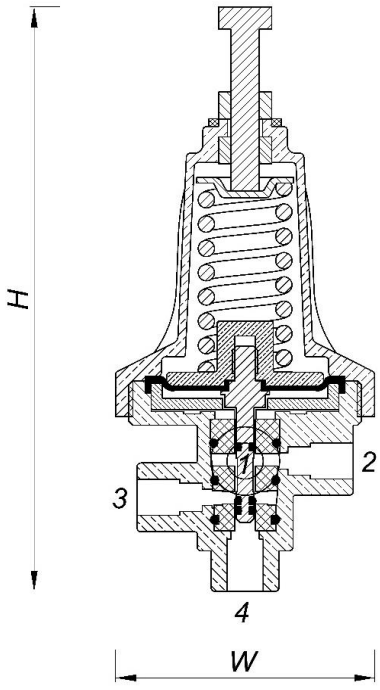
PR | MULTIFUNCTIONAL PLASTIC PILOT-3 WAY

Description

Baccara "PR" diaphragm actuated, spring-loaded, 3-way, multi-functional pilot valve is used to control functions of the pressure on hydraulic control valves. Due to the pilot valve is 3 way, it opens the common port which is connected on valve actuator to the other two ports by means of spring force which gets a signal from comparison port. The pilot valve can be used on agricultural and mining applications and with some fluids which has low acidic characteristics thanks to its material. It has wide application areas on pressure control methods. Thanks to its simple design is easy to use and maintain.

Technical Data

General	
Pressure Rate	10 bar - 150 psi
Pressure Adjustment	0.5 bar - 10 bar / 7 - 150 psi
Temperature	-10°C, +80°C
Weight	0.215 kg
Kv	0.10 m³/h @ 1 bar
Available Valve Sizes to use	1½" - 6"
Materials	
Body	PA6 30GFR
Bonnet	PA6 30GFR
Internal Parts	PA6 30GFR
Stem	AISI 316
Bush	PTFE
Spring	AISI 304
Bolt-Nut	SST A2 - Ms58
Diaphragm	Natural Rubber
Leakage Components	NBR
Dimensions	
H (Height) Maximum	146 mm
W (Width) Maximum	86 mm
Port Connections	
1, 2, 3, 4	⅛" BSP



Typical Applications:

· Pressure Reducing - PR
· Pressure Sustaining - PS
· Quick Pressure Relief - QR

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Spring Adjustment Range

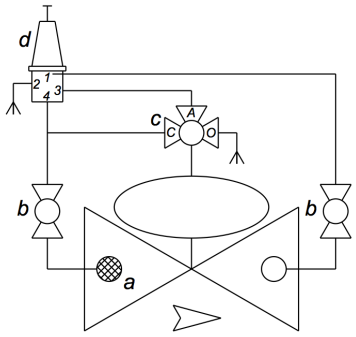
Color	bar	psi
Green	1-10	14-150
Yellow	0.5-5	7-75

Connections

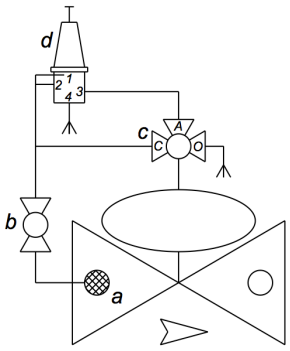
Port	Pressure Reducing	Pressure Sustaining Quick Pressure Relief
1	Downstream	Upstream
2	Vent	Upstream
3	Valve Control Chamber	Valve Control Chamber
4	Upstream	Vent

Installation

· Pressure Reducing - PR



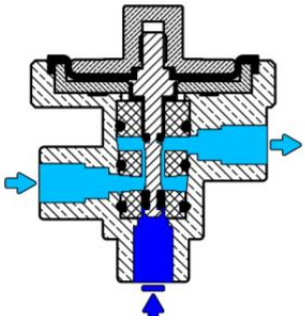
· Pressure Sustaining - PS
· Quick Pressure Relief - QR



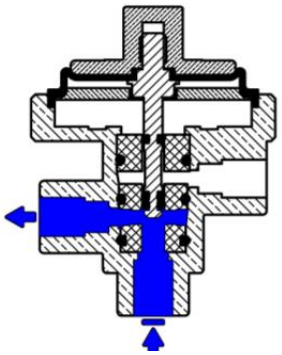
Main Components

No	Description
a	Self Flushing Filter
b	Isolation Ball Valve (Optional)
c	3-way Manual selector valve
d	Multifunctional Pilot Valve

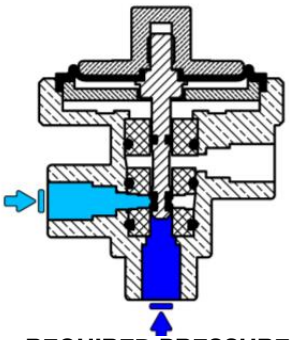
Operation Principle



LOW PRESSURE



HIGH PRESSURE



REQUIRED PRESSURE

* Pressure Reducing Function *