

# Pressure Reducing / Pressure Sustaining Brass Pilot

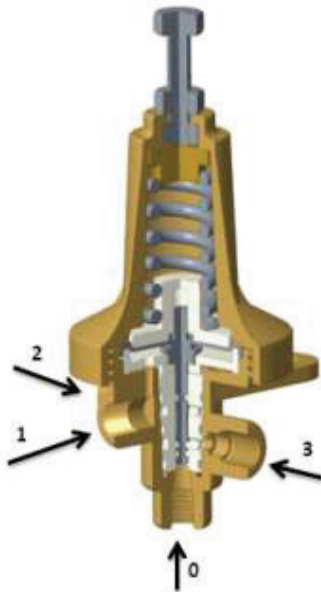


## Features

- Simple and robust design, only 4 parts involved.
- Light in weight for easy installation and maintenance.
- Brass Base and Cap for durability and corrosion resistant.
- Pilot designed for quick sensing of line pressure and work for pressure reducing, pressure sustaining/Pressure relief.
- Very less down time.
- Marking for correct installation of hydraulic valve.
- Compatible with all hydraulic valves available in market.

## Applications

- Hydraulically operated designed for green house irrigation system as well as turf and field crop irrigation.

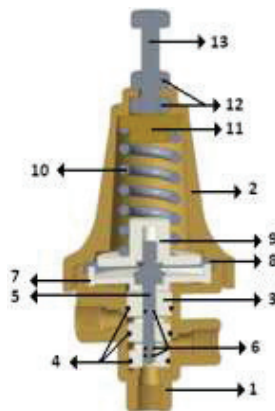


### Pilot Valve Pressure Reducing Ports:

Port	Pressure Reducing
1	Sensing / Downstream
2	Vent
3	Control Chamber
0	Pressure / Upstream

### Pilot Valve Pressure Sustaining / Pressure Relief Ports:

Port	Pressure Sustaining
1 & 2	Sensing / Upstream
3	Control Chamber
0	Vent



## Technical Specifications

- Function: Universal (Pressure Reducing, Sustaining or Relief)
- Operating System: 3 -way
- Suitable for valve sizes : 40mm - 150mm (1½" to 6")
- **Maximum Operating Pressure**  
Metal Pilot : 20 bar
- **Ports connection**  
3 Way Metal Pilot Port: Female threaded ¼" -19 BSP or ¼"-18NPT
- **Pressure Adjustment Range**
  - **Metal Pilot**

Identification of Pilot	Adjustment	Max. Operating
Natural color Spring	0.7-6.5 kg/cm <sup>2</sup> (8 to 85 psi)	16 kg/cm <sup>2</sup>
Blue Color Spring	1-10 kg/cm <sup>2</sup> (14.5 to 145 psi)	20 kg/cm <sup>2</sup>
Red Color Spring	1-16 kg/cm <sup>2</sup> (14.5 to 232 psi)	20 kg/cm <sup>2</sup>

## Material Specification

PART NO	PART NAME	MATERIAL	Qty
1	Pilot Base	Brass	1
2	Pilot Base Cap	Brass	1
3	Stem Cylinder	Teflon	1
4	Stem Cylinder O-ring	NBR	3
5	Stem	Stainless Steel	1
6	Stem O-ring	NBR	3
7	Diaphragm Seat	Brass	1
8	Diaphragm	EPDM	1
9	Actuator	Brass	1
10	Spring	Stainless Steel	1
11	Spring Button	Stainless Steel	1
12	Nut	Stainless Steel	2
13	Adjusting Screw	Stainless Steel	1