



# Quick Relief Valve Mod. IM-SR/IM-SRP2

## Hydraulic Function

The hydraulic valve mod. IM-SR/IM-SRP2 is an automatic security valve that discharge the pressure peak in the network protecting the system against high pressure.

## Operation

The valve is installed in order to discharge outside of a pressurized network system and is controlled by a 2 way quick relief control pilot (mod. SR/SR-P). When the pilot senses a too high pressure will open totally the valve discharging the pressure peak.

The pilot, when the pressure level is lower than the setted value, maintains the chamber totally filled and the valve closed. When the sensor of the pilot senses that the pressure is growing over the limit, the valve will open very fast discharging the overpressure. Once the overpressure is discharged the valve will close very slowly in order to not generate a counter water hammer.

The pilot can be adjusted to the desired pressure, within its limit of regulation range. When the upstream pressure is lower than the setted value the 2 way circuit maintains closed the valve. When the upstream pressure starts growing higher than the setted value the valve totally opens.

## First Installation

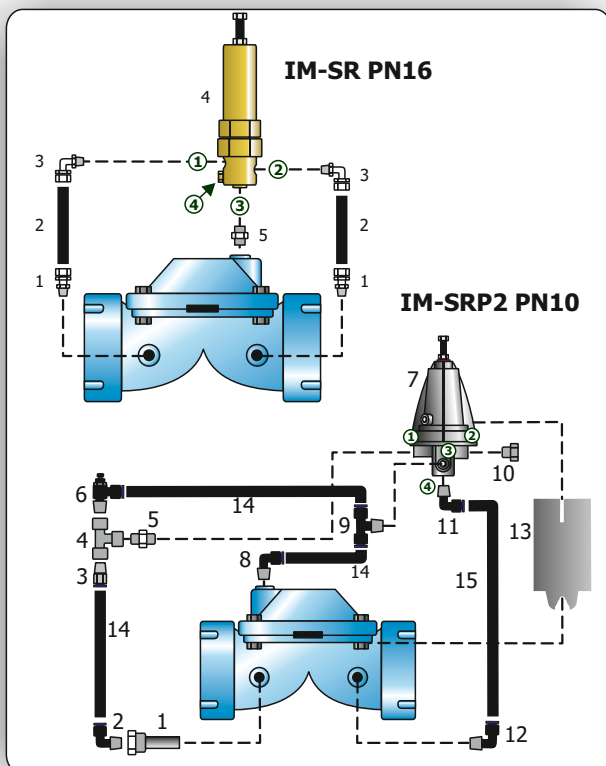
- tighten until the limit the adjustment screw on the pilot.
- check that downstream the valve there is enough empty space that when there is a pressure peak and the valve discharge outside people or goods will not be damaged.
- fill the pipe and pressurize the system, the valve will close and will remain closed.
- increase progressively the pressure up to the value at which the valve have to discharge .
- thighten the adjustment screw until the valve start to open.
- block the adjustment screw using the locking nut.

## Adjustments

The screw of the pilot allows to fit the rising pressure to a value that is within its regulation range (check Technical Characteristics).

Tightening the screw in the clock sense it is increased the pressure value of intervention. Unscrewing the screw in the opposite sense it is reduced the pressure value of intervention, until the permanent opening of the valve.

## Assembly



## Features accessories



### Pilot SR PN25

Lower body: brass  
Cover: brass  
Pipes: copper



Identification Washer  
Regulations ranges:



Blue spring 1,0÷10,0  
(standard)



Red spring 1,5÷22,0

## Accessories Features

### Quick Relief Pilot SR-P PN10

Lower Body: reinforced nylon  
Cover: reinforced nylon



Identification washer  
Pressure regulation range:



Red Spring 1,0÷5,5 bar



Black Spring 2,0÷9,0 bar  
(Standard)

## Recomendations

- do not disassemble the valve or its circuit when the pipe is in pressure.
- do not use with pressures beyond Nominal values.

### LEGEND IM-SR:

- |                              |                |
|------------------------------|----------------|
| 1 - Straight Ø1/4" M pipe Ø8 | ① - Sense line |
| 2 - Copper pipe Ø8           | ② - Discharge  |
| 3 - Elbow Ø1/8" M pipe Ø8    | ③ - Common     |
| 4 - Pilot SR                 | ④ - Regulation |
| 5 - Nipple Ø1/4" M-M         |                |

### LEGEND IM-SRP2:

- |                                      |                        |
|--------------------------------------|------------------------|
| 1 - Filter Ø1/4" M-1/8" F            | ① - Sensor Port        |
| 2 - Elbow Ø1/8" M pipe Ø 6 mm        | ② - Blocked            |
| 3 - Straight Ø1/8" M pipe Ø 6 mm     | ③ - Common/Water Inlet |
| 4 - Tee Ø1/8" F-Ø1/8" F-Ø1/8" F      | ④ - Discharge          |
| 5 - Nipple Ø1/8" M-Ø1/8" M           |                        |
| 6 - Needle Valve Ø1/8" M pipe Ø 6 mm |                        |
| 7 - Quick Relief Pilot SR-P          |                        |
| 8 - Elbow Ø1/4" M pipe Ø 6 mm        |                        |
| 9 - Tee Ø1/8" M pipe Ø 6 mm          |                        |
| 10 - Metal plug Ø1/8" M              |                        |
| 11 - Elbow Ø1/8" M pipe Ø 8 mm       |                        |
| 12 - Elbow Ø1/4" M pipe Ø 8 mm       |                        |
| 13 - Pilot stainless steel support   |                        |
| 14 - Micropipe HDPE Ø 6 mm           |                        |
| 15 - Micropipe HDPE Ø 8 mm           |                        |

### NOTES:

- fittings and micropipe Ø 8 mm for valves of Ø6" or superior.
- the technical characteristics can change without prior notice.