

Pressure Sustaining Control Valve

Plastic Hydraulic Control Valve

Pressure Sustaining Control Valve is a hydraulic control valve designed to protect the system by rapidly discharging the high pressure wave by sudden opening movement in water systems with excessive pressure increase. With the pilot on the valve, the input pressure is adjusted with the desired pressure. If for any reason the inlet pressure in the system rises above the set value, the valve is opened quickly to release the excess pressure to the outside and the system is protected. Despite its sudden opening, due to the hydraulic principle of operation, the closing of the valve is slowed down so as not to create a ripple. It provides a completely leak-tight seal. It can also be used as a safety and warning valve at the exit points of the pressure reducing control valves alone at critical points in the water system.

Pressure Range: PN 10

Diameters : 3/4" 1"-1 1/2" - 2" - 2 1/2" - 3"R - 3"-4"

DN80 - DN100 - DN150 Flanged

Order Information

Please provide the following information in order

Maximum flow rate m³/h

Maximum mains / operating pressure bar

Main pipeline diameter mm

Valve connection type

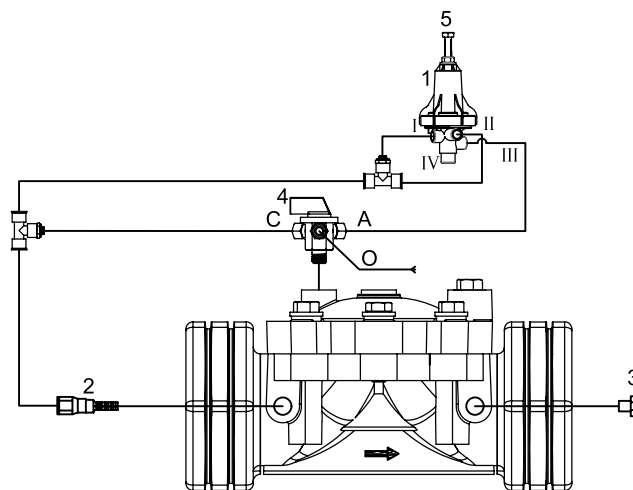
Maximum valve inlet pressure bar

Desired valve inlet pressure bar



Assembly

- Turn on the pump or turn on the mains main valve and give water to the system.
- Turn the 3-way valve to Auto "a" position.
- Wait a few seconds for the water to reach the control Chamber of the valve.
- When you turn the adjustment bolt in the direction of "5" clock• the connection to the "I" output of the pressure stabiliser pilot and the "C" output of the 3-way valve is provided by means of a plastic tube connected to the valve inlet, finger filter number 2.
- The "II" output of the plastic pilot is connected to the "I" output of the plastic pilot with the necessary connection elements.
- * The plastic pilot's "III" output is connected to the auto "A" output of 3-way valve and the valve output is connected to the "3" blind plug.
- Valve rated diameter should be the same or a small rated diameter as the line diameter.
- In the direction of the arrow indicated on the valve Mount.
- Isolation valves (butterfly or sliding valve etc.) in the line Assembly of the valve.B) it is recommended to use air discharge valve, quick pressure discharge control valve (QR) and dirt retaining valves.
- * Cavitation risk during pressure drop is dangerous for valve body. Adjust the output pressure value you want to adjust by looking at the cavitation chart or contact our company.
- the setting will increase the pressure value , otherwise it will decrease when you turn it in the direction.
- After adjusting the desired inlet pressure value, tighten the nut under the adjustment Bolt.
- Check and clean the finger filter indicated by "2" according to the water quality. Do not do more than one filter cleaning in a few months unless the water is very dirty.
- * Drain the water in the actuators and pilot valves of the valves that are not used during the winter season.



- 1 Pressure Regulator Pilot
- 2 Finger Filter
- 3 Blind plug
- 4 Three-Way Valve
- 5 Pressure Adjustment Bolt

Adjustment

- Turn on the pump or turn on the mains main valve and give water to the system.
- Turn the 3-way valve to Auto "a" position.
- Wait a few seconds for the water to reach the control Chamber of the valve.
- When you turn the adjustment bolt "5" Clockwise, the adjustment pressure value will increase, otherwise it will decrease when you turn it in the direction.
- After adjusting the desired inlet pressure value, tighten the nut under the adjustment Bolt.
- Check and clean the finger filter indicated by "2" according to the water quality. Do not do more than one filter cleaning in a few months unless the water is very dirty.
- * Drain the water in the actuators and pilot valves of the valves that are not used during the winter season.