

Pressure Reducing and Sustaining Control Valve

Plastic Hydraulic Control Valve

The Pressure Reducing and Sustaining Control Valve is the control valve that reduces the output pressure to the desired value by holding the input pressure. There are two pilots on the valve. The pilot in the inlet direction is the pressure stabilization pilot and fixes the inlet pressure. The other pilot ensures that the pressure reducer remains constant by reducing the pilot pressure and the output pressure to the desired value. The pressure reducing and stabilizing control valve allows the system to operate at normal values by reducing excessive flow in the downward slope direction and lowering the high pressure. The valve keeps constantly controlling the inlet pressure and outlet pressure without being influenced by the flow rate changes.

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

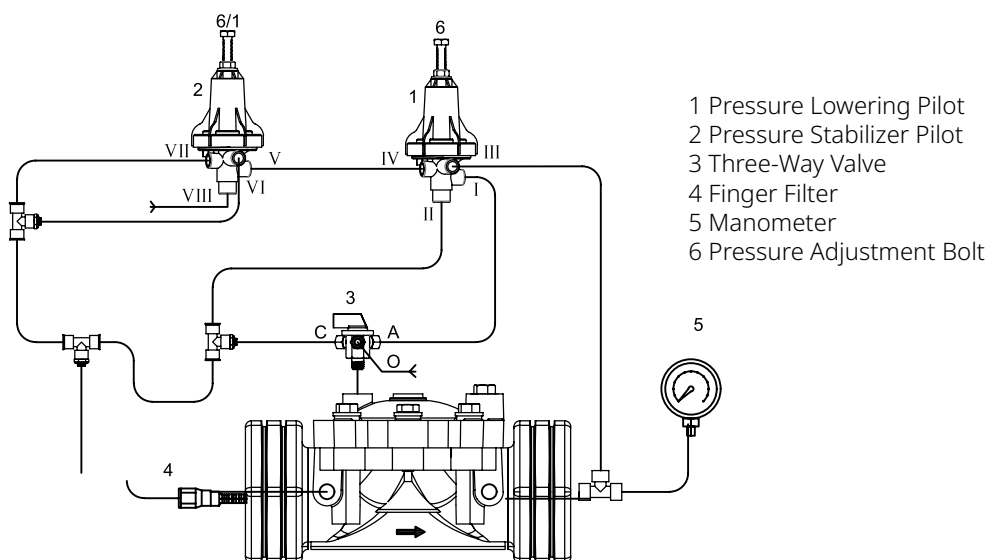
Please provide the following information in order

Maximum flow rate m³/h
Maximum mains / operating pressure bar
Main pipeline diameter mm
Valve connection type
Maximum valve inlet pressure bar
Minimum valve inlet pressure..... bar
Desired outlet pressure value..... bar
Desired valve inlet pressure bar



Assembly

- After connecting the 4 number finger filter to the valve Inlet, one output of the Te connection element is connected to the connection element by combining the "VI" and "VII" output of the pressure stabilizer pilot. The other output of the Te connection element is connected to the "II" output of the press stabilizer pilot and to the "C" output of the 3-way valve closed.
- The "V" output of the pressure stabilizer pilot is connected to the "IV" output of the pressure reducing pilot with the necessary connection elements.
- * Te connection element is connected to Valve outlet • One output of the Te connection element is connected to the "III" output of the pressure reducing pilot and the other output is connected to the manometer.
- 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.



Adjustment

- Turn on the pump or turn on the mains main valve and give water to the system.
- Adjust the desired input pressure value by looking at the manometer with the adjustment Bolt "6/1" on pilot valve indicated by "2". After setting the adjustment point, tighten the control nut.
- Adjust the pressure reducing pilot valve indicated by "1" by looking at the manometer through "6" on the adjustment Bolt. The manometer valve shows the output pressure value. After setting the adjustment point, tighten the control nut under the adjustment Bolt.
- When you turn both pilot valves in clockwise direction, the pressure value will increase and the pressure value will decrease when you turn it in counterclockwise direction.