

Pressure Reducing Control Valve

Plastic Hydraulic Control Valve

Pressure Reducing Control Valves are hydraulic control valves that reduce the input pressure value to the desired pressure value by means of a pressure reducer pilot mounted on it. The pressure reducer control valve constantly controls the output pressure value to be set without being influenced by the flow rate and inlet pressure values. When there is no flow in the system, the valve closes itself. When the valve inlet pressure value in the system falls below the set outlet pressure value, the valve opens itself. The valve can be used in horizontal or vertical position on the 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

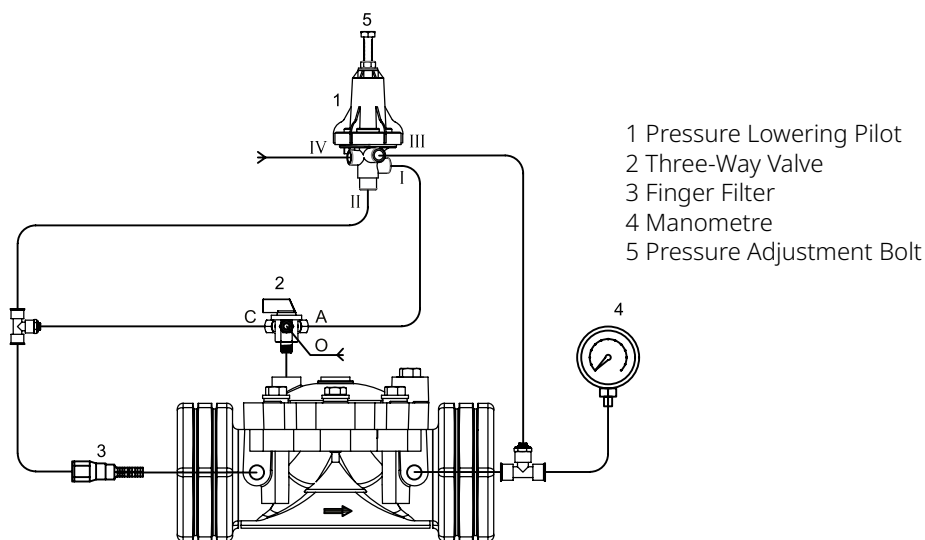
Maximum valve inlet pressure bar

Minimum valve inlet pressure..... bar

Desired outlet pressure value..... bar

Assembly

- After connecting the 3 number finger filter to the valve Inlet, the connection to the "II" outlet of the pressure reducing pilot and the "C" outlet of the 3-way valve is provided.
- * The "I" output of the plastic pilot is connected to the auto "A" output of the 3-way valve with the necessary connection elements.
- * The connection element is connected to Valve outlet • One output of the Te connection element is connected to the pilot's "III" output and the other 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.
- Keep the spherical valve indicated by "2" in auto position.
- Adjust the adjustment bolt of the pressure reducing pilot valve indicated by "1" by looking at "4" to "5" manometers according to the desired output pressure value. When you turn the adjustment Bolt Clockwise, the output pressure value increases, otherwise it decreases in the direction.
- * After setting the adjustment point, tighten the control nut under the adjustment Bolt.