

Product Features

- Sensitive and precise pressure control
- Easy regulating and maintenance
- Excellent and reliable sealing performance
- Built-in strainer, to prevent piping system from blocking

PR500 pressure reducing valve can automatically reduce high pressure at the inlet to a stable low pressure at the outlet regardless of changes in fluid velocity or inlet pressure, maintain outlet pressure within the preset range by a precise pressure regulator. When outlet pressure exceeds the set range of the pressure reducing valve, the basic valve body and the pressure regulator will automatically close to form a tight seal.

If the optional check feature is selected, when the back pressure generated, the return fluid will enter the air chamber to close the valve to prevent the fluid from back flow.



PR500

Material Specifications

Body/Bonnet: Ductile Iron/Stainless Steel
Disc & Stem: Stainless Steel
Piping: Bronze/Stainless Steel/Rubber Hose
Diaphragm: NBR
Fasteners and Springs: Stainless Steel

Working Pressure Range

175PSI/235PSI/350PSI
 10Bar/16Bar/25Bar

Flange Standards

ANSI / BSEN / ISO / DIN

Temperature/Medium

0°C~100°C normal temperature water

Pressure Regulator Parameters

Pressure Regulating Range: 0.1~5 kgf/cm²,
 5~9 kgf/cm², 7~17 kgf/cm²

Pressure Regulator Material: Stainless Steel

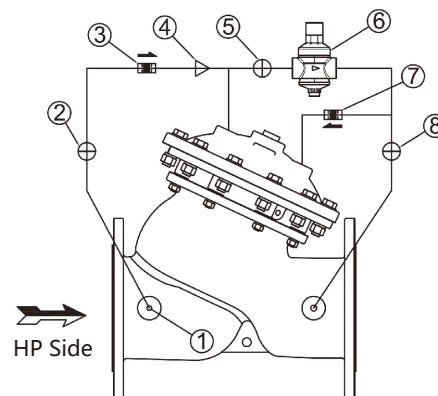
Please Provide the Following Data When Ordering

Valve figure number/size/pressure grade/
 connecting end type/pressure regulating
 range/other optional accessories

* Note: In valve installation, it is strongly suggested that sufficient space should be left for easy maintenance in the future. A strainer shall be mounted in front of the valve to prevent foreign matters from blocking the valve.

List of Accessories

- ① Strainer
- ② Ball Valve
- ③ Check Valve (Optional)
- ④ Needle Type Regulating Valve
- ⑤ Ball Valve
- ⑥ Pressure Regulator
- ⑦ Check Valve (Optional)
- ⑧ Ball Valve



Piping Diagram

Typical Applications

If variable and large flow range demands, use multiple PR500 pressure reducing valves in parallel. In case of large flow demand, use two pressure reducing valves simultaneously. In case of small flow demand, the large-sized valve will automatically close, while the small-sized valve will continue to provide the required flow. When setting the pressure regulating range for the valves, the set pressure of the small-sized valve should be about 0.3 kgf/cm² higher than that of the large-sized valve.

If the pressure reduction range is large, use multiple PR500 pressure reducing valves in series for sectional pressure reduction.

