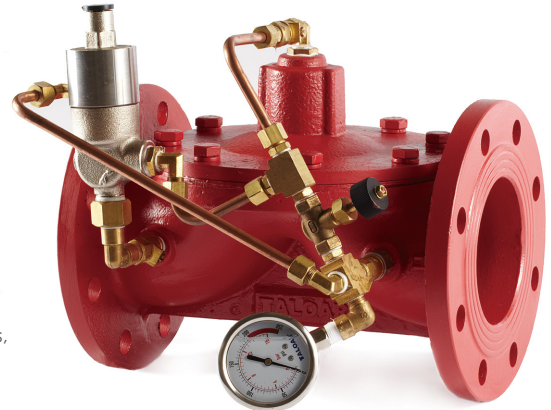


Product Features

- Precise pressure control
- Small volume and light weight
- Fast opening, to guarantee pipeline pressure
- Non-slam design, to prevent fluid impact
- Built-in strainer, to prevent the guide piping system from being blocked

RS300 lightweight pressure relief valve/pressure holding/back pressure valve is a hydraulic control valve controlled by a pressure regulator, can maintain pressure in upstream pipelines, can be used in pressure relief, pressure holding and back pressure impact situations. During operation, the valve senses inlet pressure of the valve by the pressure regulator to control valve opening or closing. When inlet pressure exceeds the set value, the valve will open quickly to maintain pressure in the pipelines. After pressure release, the valve will close slowly to prevent impact.



RS300

Material Specifications

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

Working Pressure Range

175PSI/235PSI
 10Bar/16Bar

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,
 2~9 kgf/cm², 7~17 kgf/cm²

Pressure Regulator Material: Stainless Steel

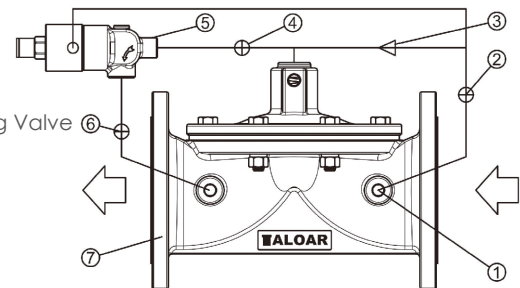
Please Provide the Following Data When Ordering

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 Needle Type Regulating Valve
- ④ Ball Valve
- ⑤ Pressure Relief Valve
- ⑥ Ball Valve
- ⑦ Body

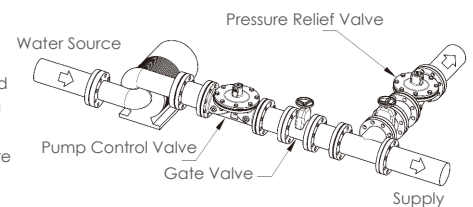


Piping Diagram

Typical Applications

● As a Pressure Relief Valve

To prevent high-pressure impact generated during pump shutdown, the quick opening and slow closing the pressure relief valve can be used to release excess high pressure to protect the system.



● As a Pressure Holding Valve

When the valve is installed between the high-pressure supply at upstream and large-flow demand at downstream, a pressure holding valve is used to maintain high pressure at upstream, so as to prevent pressure in the main pipe from dropping continuously due to excessive flow demand at downstream to maintain pressure in the main pipe.

