

Product Features

- Separately controllable opening and closing speed
- Manual operated electromagnetic control switch available.
- Excellent and reliable sealing performance
- Easy operation and maintenance
- Built-in strainer, to prevent the guide piping system from blocking

The pump control valve is installed at the pump outlet, controlled by the guide pipe to eliminate the impact of the fluid on the pipelines during pump start-up or power-off.

At pump start-up, the control valve is in closed state. After the start-up, the electromagnetic control switch is powered on; the valve will open gradually; the pressure in the pipeline rises slowly until the working head of the pump is reached.

When the pump receives the shutdown signal, the electromagnetic control switch will power off; the valve will start to close gradually; the flow in the pipeline gradually reduces while the water pump is still working. When the valve is fully closed, the limit switch installed on the valve will form an electronic interlocking relationship with the pump to cancel the pump start-up command, the pump stops.

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

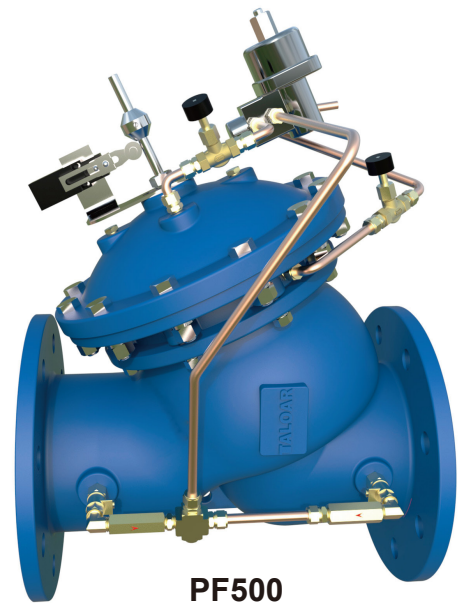
Solenoid Valve Parameters

Voltage Range: 110 V, 50~60 Hz,
 AC or 220 V, 50-60Hz, AC
Body Material: Brass/Stainless Steel

Please Provide the Following Data When Ordering

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

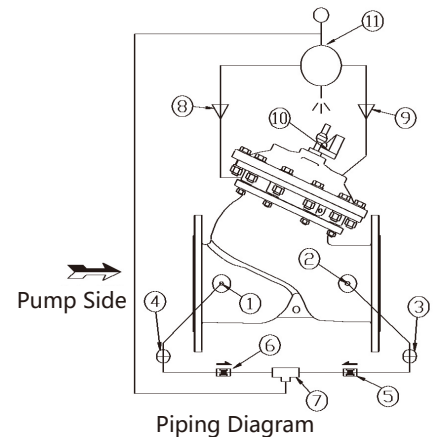
* Note: In valve installation, it is strongly suggested that sufficient space should be left for easy maintenance in the future. A strainer shall be mounted in front of the valve to prevent foreign matters from blocking the valve.



PF500

List of Accessories

- ① Strainer
- ② Strainer
- ③ Ball Valve
- ④ Ball Valve
- ⑤ Check Valve
- ⑥ Check Valve
- ⑦ Three-Way Pilot Valve
- ⑧ Needle Type Regulating Valve
- ⑨ Needle Type Regulating Valve
- ⑩ Limit Switch
- ⑪ Electromagnetic Control Switch



Typical Applications

The installation of PF500 pump control valve is as shown in the diagram. The control circuits of the electromagnetic control switch and the limit switch must be sealed with flexible conduits.

