

Product Features

- Smooth action, without impact
- Easy regulating and maintenance
- Excellent and reliable sealing performance
- Controllable opening and closing speed
- Built-in strainer, to prevent the piping system from blocking

NC500 silencing non-slam check valve is a hydraulically controlled diaphragm valve with controllable opening and closing speed. When inlet pressure rises and exceeds the valve opening pressure, the valve will open slowly to avoid impact. When the back pressure is generated, the fluid will enter the air chamber of the valve, and the valve will close slowly to form a tight seal. The opening and closing speed can be adjusted by the opening angle of the needle valve in the main pipe.

The valve is particularly suitable for use in the occasions where absolute sealing is required. Its rubber seal ring can ensure that the valve is free from leakage. In addition, the simple design of the valve can also ensure reliability.



NC500

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

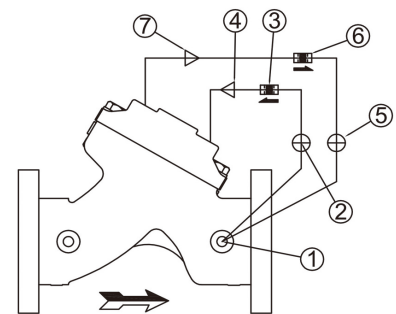
Please Provide the Following Data When Ordering

Valve figure number/size/pressure grade/
 connecting end type/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 Check Valve (Optional)
- ⑦ Needle Type Regulating Valve

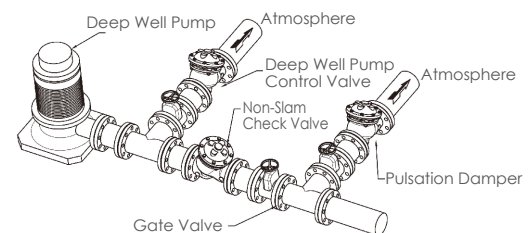


Piping Diagram

Typical Applications

● Deep Well Pump

In occasions where a deep well pump is required in design, the non-slam check valve should be installed. When the pump is shut down or sudden powered off, the non-slam check valve will close slowly to avoid the damaging water hammer caused by rapid back flow of fluid.



● Booster Pump

Install NC500 non-slam check valve at the outlet of booster pump can prevent fluid from entering the water storage tank when the pump is shut down. The pressure relief valve shown in the diagram can effectively prevent the impact occurring during pump shutdown.

