



OPERATION MANUAL

DUAL PLATE WAFER CHECK VALVES

Installation instructions

The requirement of Install Condition

Usage condition

1. Temperature and pressure limit, please reference to the nameplate to see the appropriate usage range of temperature and pressure.
2. Fluid : Non-corrosive fluids are fit for use. If the fluid is corrosive, please contact the manufacturer.
3. Installation demand
 - a. Installation regarding to the flow direction, please see the cast direction of check valve body. (see Fig. 1)

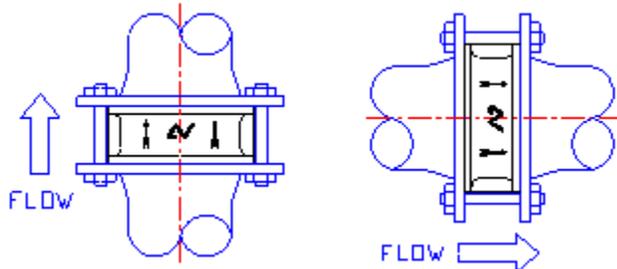


Fig. 1.

- b. It can be installed in vertical piping.
- c. In the horizontal piping, please install the valve vertically according to the Fig. 2.

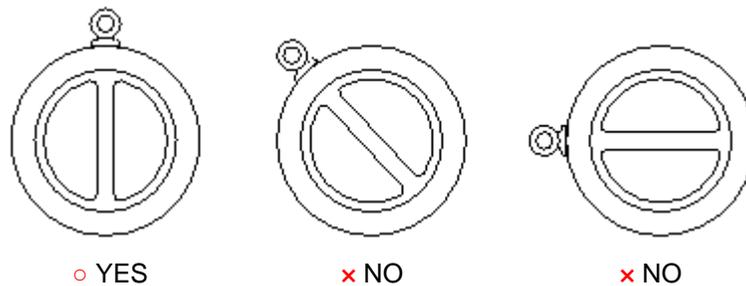


Fig.2.

- d. When installing wafer Check near an elbow, leave a space as large as possible between an elbow and Wafer Check Valve and be sure that the plate is stressed evenly. (see Fig. 3)

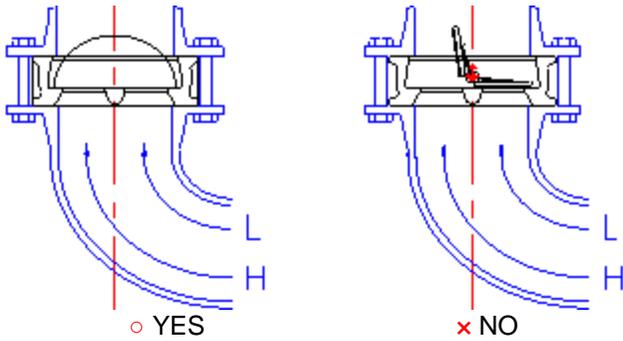


Fig.3.

- e. Avoid entering the end of a tube or gasket within the opening area of a radius of the wafer Check plate. (see Fig. 4)

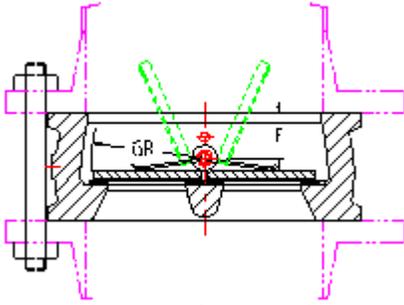


Fig.4.

- f. It will affect the turbulence, vibration, and abrasion within pipes when considering the flow. We suggest the pipes be installed by 5D-5D . ("D" means the diameter of the pipes.)(see Fig. 5)

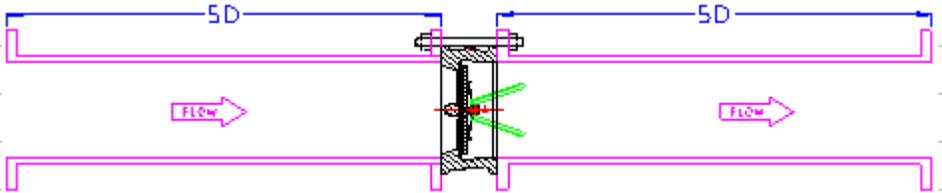


Fig.5.

Maintenance Instruction

1. Please check the spring, main parts of the valve, whether it is broken.
2. Please check the abrasion of the parts of the valve.
3. Please check the action of the valve whether it's action interfere with other parts.
4. If it is necessary to replace the parts of the valve, Please disassemble and assembly the valve according to the figure below.
5. If the valve is metallic, please clean and wash it after disassembling according to the figure below.
6. For the safety consideration, please check the wall thickness once a year.

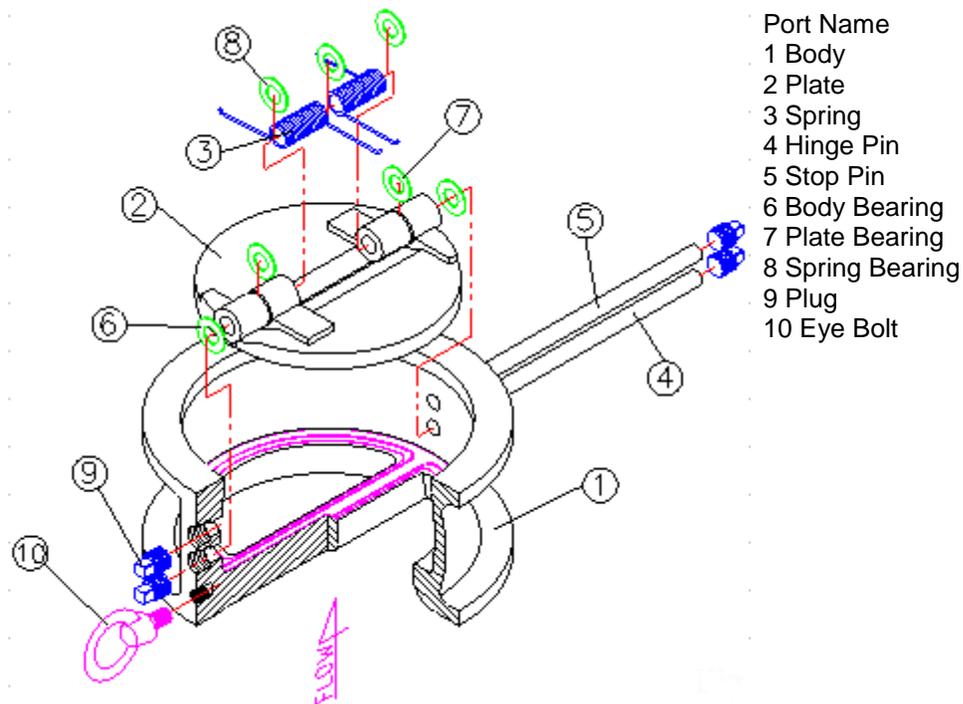


Fig.7.

Warning:

1. Please be sure that there is no high pressure and temperature within the piping system, when you disassemble the valve for maintenance or replacement from the piping system.
2. The rupture of the body happens easily, when the temperature and pressure are exceeding normal range. Seriously, it will cause human damage and the piping of usage system failure. It's necessary for user to request the appropriate material of body to adopt the fluid type, pressure and temperature.
3. If there is serious leakage when piping system operates, please replace the valve immediately.
4. If the piping system is operating, don't touch the valve or you might get hurt.
5. If there are unknown noise and vibration when the piping system operates after installation. Please check whether the installation in accordance with the instruction we provided or not.