



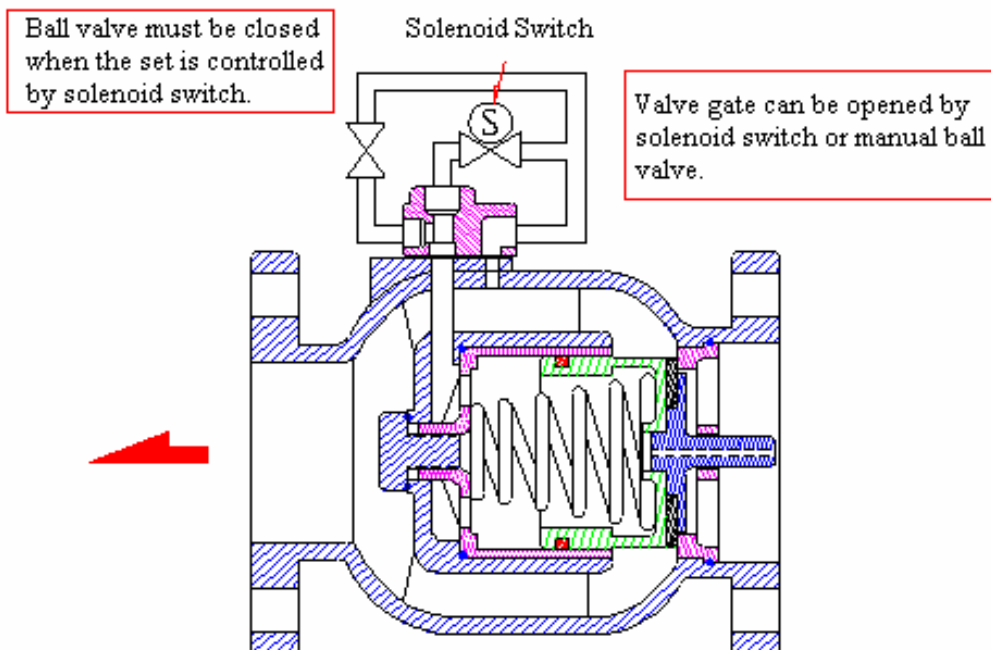
Z-Tide Valves Industrial CO., LTD.

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The Installation of Solenoid Control Valve:

- The valve body of main valve becomes functional by an inlet-guiding hole. This hole transfers pressure to pressure chamber. When enough pressure accumulates in the pressure chamber, it generates pushing force that makes the piston close to valve seat and generates the closing motion. There is another outlet-guiding hole in the pressure chamber. When the hole opens, the pressure in pressure chamber dissipates and valve gate is pushed open by coming water pressure.
- It uses a sub-valve (switch) to control the opening and closure of the valve gate along with the power. When the sub-valve closes, the pressure chamber in the main valve quickly accumulates pressure and then closes. It is better to avoid upside-down installing the solenoid control valve.



- ◎ Normally Closed Type: When using solenoid switch to control, manual ball valve has to be closed.
- ◎ Normally Opened Type: When using solenoid switch to control, manual ball valve has to be opened.



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Breakdown Elimination

I · No water flow from the Valve Gate:

1. Check if the installation direction of the main valve is correct and the inlet pressure is too low. Minimum pressure shall be over 0.2kg/cm. Also, check if the voltage is correct.
2. Dismantle the switch seat and check outlet-guiding hole. If the water flow is smooth and the hole can not outflow water, it may be caused by the over low pressure or the impurities blocked inside the cylinder.
3. The valve gate immediately opens when dismantling the switch seat shows that the switch is blocked or defective.

II · Valve Gate cannot be closed:

1. Dismantle the switch seat and block the outlet-guiding hole to check the valve gate can be closed or not. If the valve gate still can not be closed, it may be caused by the blocked inlet-guiding hole or the impurities blocked in the valve gate. Under this situation, please dismantle and maintain the valve body.
2. Dismantle the switch seat and block the outlet-guiding hole to check the valve gate can be closed or not. If the valve gate can be closed, it means the sub-valve is defective.