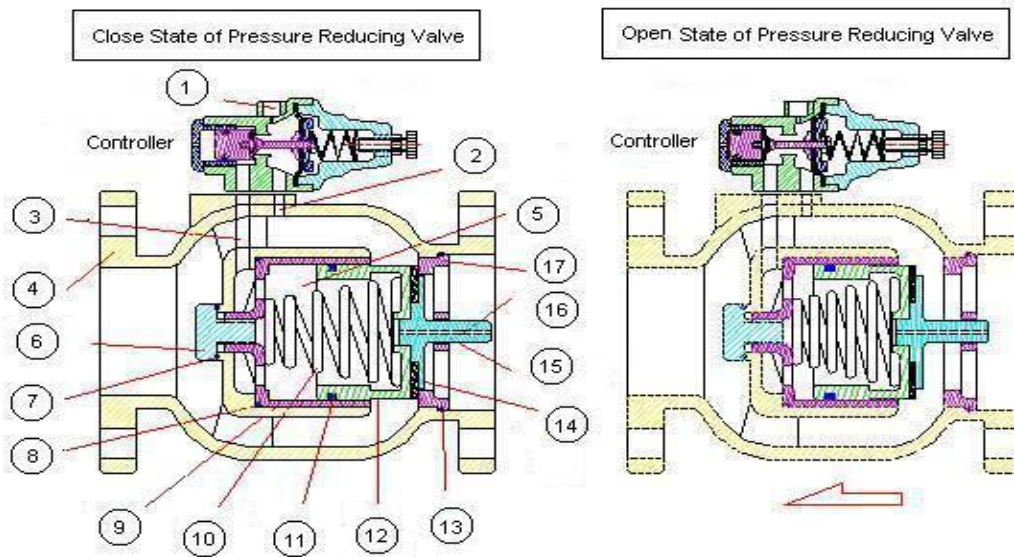




The Installation of Pressure Reducing Valve:

- 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.
- Uses the sub-valve to control the main valve. When the outlet pressure reaches the setting range of the sub-valve, the sub-valve will close and make the pressure chamber in the valve body of main valve quickly accumulate pressure. The main valve will be closed or semi-closed to maintain the needed pressure of the outlet.



NO.	ITEM NAME	NO.	ITEM NAME
1.	Pressure gauge hole	10.	Spring
2.	Controller outlet hole	11.	U-ring
3.	Outlet guiding hole (Controller inlet hole)	12.	Piston
4.	Valve	13.	O-ring
5.	Pressure chamber	14.	Sealing
6.	Cylinder bolt	15.	Shaft
7.	O-ring	16.	Inlet guiding hole
8.	O-ring	17.	Seat
9.	Cylinder		



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Breakdown Elimination

I · No water flow from the Valve Gate:

1. Check the installation direction of the main valve.
2. The valve gate immediately opens when dismantling the controller shows that the controller is blocked or defective.
3. Dismantle the controller and check if the outlet-guiding hole is blocked and causes the gate to stop outflowing water.

II · Valve Gate cannot be closed:

1. Check if the controller pressure setting is too high. If so, anti-clockwise the adjusting screw to the lowest pressure.
2. Dismantle the controller 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.
3. Dismantle the controller 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 controller is defective or the adjusted pressure is too low.