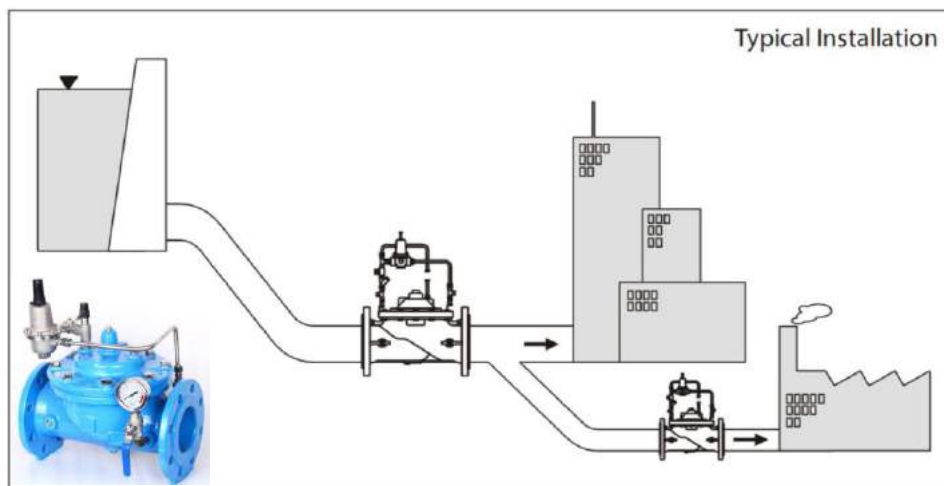
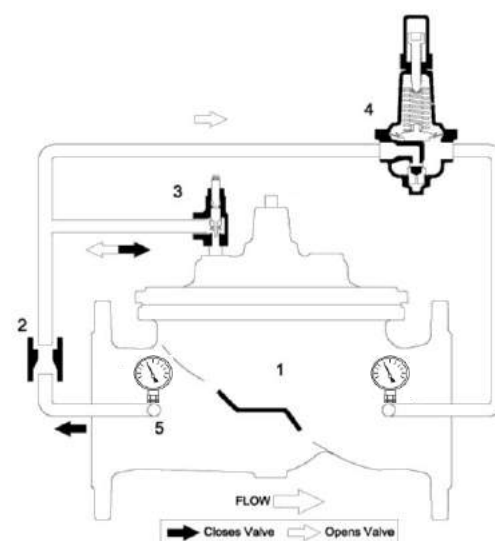
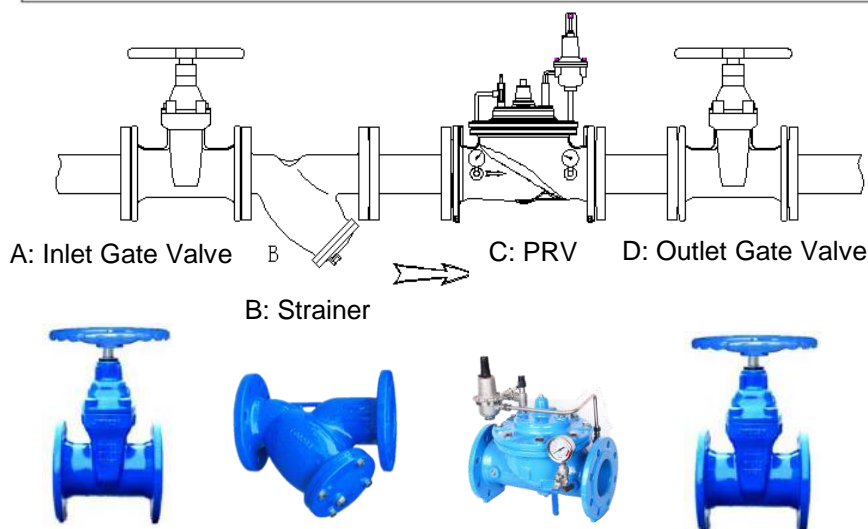


PRESSURE REDUCE VALVE

Installation



- ✗ Confirm the flow direction of pipe line must meet the arrow of pressure reduce valve
- ☑ Enough space for adjustments and disassembly.
- ☑ Install the Isolation valves in both inlet and outlet of pressure reduce valve.
- ☑ Install the Strainer before pressure reduce valve.
- ☑ It has a better function if the valve is installed horizontally.
- ☑ After the installation, clean the pipeline and strainer.



Operation

- ☑ Open all isolation valves in pilot system.
- ☑ Remove pilot cap and loose the jam nut of pilot.
- ☑ Observe the setting on the pressure reduce pilot. Normally the factory outgoing sets outlet pressure as 4 bar. If 4 bar is higher than needed, turn the adjusting screw anti-clockwise. Pressure change about 0.5bar one turn until close to the required pressure. This setting is approximate and may have to be changed once the valve is pressurized.

Alert: Actual pressure settings must be made under a flowing condition.

4. Open inlet isolation valve slowly to pressurize main valve.
5. Bleed air from main valve cover by loosening pipe plug in center of main valve cover. Tighten the plug after all air is removed.
6. Open downstream isolation valve a little bit and establish a low flow in the system.
7. Slowly adjust the pilot, observing the downstream pressure gauge until the desired pressure is achieved (clockwise to increase setting or anti-clockwise to decrease setting).
8. Adjust Needle valve slowly until desired valve opening or closing speeds are obtained.
9. All valve adjustments are now set. Lockup all jam nuts and replace the pilot caps.

Maintenance

1. It need to check the valve and pipe line periodically every months, no matter leakage of pilot systems cause of crash or loosen, also check the controls of pressure or flow rate is stable.
2. It's easy to handle leakage outside, just tight the fitting.
3. If the valve doesn't work, there maybe possible reasons, analyze the problem, and solve the problem.

Inspection or maintenance can be accomplished without removing the valve from the line. Repair kits with new diaphragm and disc are recommended to be on hand before work begins.

WARNING: Maintenance personnel can be injured and equipment damaged if disassembly is attempted with pressure in the valve.