

Instructions for installation and application of angle seat globe valves (ASPV).

Installation Notice:

1. Make sure the model, pressure and function of the valve are in accordance with the site installation and technical requirements.
2. Make sure the valve actuator and visual position indicator are not damaged.
3. Make sure the valve pipework is clean and free from any debris. Installation of a filter downstream is recommended to prevent debris ingress.
4. Install as per direction of the arrow on the valve body (Unless anti water hammer required); connect the valve ports correctly to avoid leakage.
5. When installing electric solenoid valve, ensure connection is well sealed and free from any debris.
6. Avoid heating the seals inside the valve if provided with weld ends, either remove the actuator assembly of wrap with wet cloth to reduce heat buildup.

Notices of Installation of pneumatic valve and electric valve.

1. Keep the fluid and gas clean to prevent blocking electric valve or piston.
2. Don't touch the coil while the solenoid valve is energised as solenoid coils can get hot.
3. Do not remove solenoid coil when energised as the coil will burn out very quickly.
4. Do not hit the coil, solenoid pipe or electrical connector to avoid damage.
5. Don't cover the coil with any tape, wraps or insulation to prevent overheating.
6. The actual supply voltage to the solenoid coil must not exceed its rated value (+/- 10%)
7. The working pressure, temperature and viscosity of the media should not exceed the rated values.

Maintenance.

1. Before disassembling the pneumatic valve, ensure the system is not pressurised and drain any fluid. Take extreme care and seek professional advice beforehand if the fluid is flammable, combustible, toxic, corrosive or high pressure.
2. Disassembly of pneumatic valve.
A: Disassembly of actuator / cylinder: Remove locking circlip, lift the cylinder away from shaft. The piston, spring and visual position indicator and stem are visible.
B: Disassembly of valve body: Loosen with spanner at the end of top of the valve cover.
C: Disassembly of seals: Remove valve body and the seals are at the end of the stem, remove the retaining nut that fastens the seals.
3. Maintain the valve in accordance with the fault or maintenance requirements.
4. Reassemble the valve step by step in reverse of the disassembly procedure.
5. The parts such as seals, locking ring and springs must be assembled correctly. Tighten the connection correctly, do not damage the seals or valve seat.
6. The valve must pass a pressure and leak test prior to reinstallation into the pipework.

