



Series SOV, Shut Off Valve User Instructions

Scope:

These user instructions are applicable for Generant Series SOV, Shut Off Valves sizes 1/8" and 1/4" (Connection Types NPT, SAE, BSPT and BSPP)

Intended Use:

The intended use of these valves is to shut off flow in a given system. These products can be used with the following media, Inert gases, Oxygen and potential oxidizer gases > 21% and Hydrogen. When intended use is for Oxygen and oxidizer gases >21%, valves must be specified to be "Cleaned for Oxygen service" and will be supplied heat-sealed in poly bags. Proper seal material selection is important to ensure compatibility with intended media.

Technical Data:

SOV Series Shut Off Valves are 100% factory tested for leakage. Series SOV, Shut Off Valves are marked with Manufacturer, Direction of Free Flow, Part Number and Date Code. Operating parameters are listed below:

Operating Pressure Range: Vacuum to 2,000 Psi

Proof Pressure: 3,000 Psi

Temperature Range: -40° F to 400° Fahrenheit (elastomer dependent)

⚠ WARNING Generant Series SOV, Shut Off Valves are supplied assembled and 100% Factory tested for leakage. Valves that are supplied "Cleaned for Oxygen Service" from the factory are supplied heat sealed in poly bags. Once removed from the bag, integrity of this cleaning has been compromised. Proper handling should be used to ensure the integrity and cleanliness of the system.

Installation:

1. Be sure to install Shut Off Valve with arrow facing in the direction of flow.
2. Rotate "T" handle 90 degrees counterclockwise to Open Valve. "T" Handle will be orientated inline with valve body.
3. Rotate "T" Handle 90 degrees clockwise to shut off. "T" Handle will be orientated 90 degrees to valve body.
4. Valves can not be actuated during a condition where the outlet pressure is higher then the inlet pressure. This will result in damage to the internal face seal.
5. For valves specified with NPT or BSPT connections, Teflon tape should be used to seal the connection between the Valve and the piping system.
6. When ordered with other thread connections, user shall consider proper sealing and tightening according to the appropriate industry standards.

Safe Component Selection

When selecting a component, the total system design must be considered to ensure safe, trouble free performance. Component function, materials compatibility, adequate ratings, proper installation, operation, cleanliness and maintenance are the responsibility of the system designer and user.