



Series 4000, Quick Opening Valve User Instructions

Scope:

These user instructions are applicable for Generant Series 4000, Quick Opening Valves sizes 1/8" and 1/4" (NPT Male or Female).

Intended Use:

The intended use of these valves is to quickly shut off or allow flow in a given system. These products can be used with the following media: Inert gases, Hydrogen, Oxygen and potential oxidizer gases > 21%. 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:

Series 4000 Quick Opening Valves are 100% factory tested for leakage. Valves are marked with Manufacturer, Direction of Free Flow, Part Number and Date Code. Operating parameters are listed below:

Operating Pressure Range: 150 PSI Max
Temperature Range: -20° F to 250° Fahrenheit

⚠ WARNING Generant Series 4000, Quick Opening 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 Quick Opening Valve with arrow facing in the direction of flow.
2. Rotate plastic valve knob counterclockwise to the "Open" position to allow flow.
3. Rotate plastic valve knob clockwise to the "Closed" position to shut off flow.
4. When installing Quick Opening Valves into system, Teflon tape should be used on male NPT threads to aid sealing in the connection between the Valve and the piping system.

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.