



CCV-750B Cartridge Check Valve User Instructions

Scope:

These user instructions are applicable for Generant 3/4" Cartridge Check Valve CCV-750B.

Intended Use:

The intended use of this valve is to limit reverse flow in a given system. This product has been designed to be used with the following media: Argon, Helium, Nitrogen, Hydrogen, and compressed air.

Technical Data:

This valve is supplied assembled and 100% factory tested for leakage in the backflow direction. This valve is marked with Manufacturer, Direction of Free Flow, Maximum Pressure, and Date Code. Operating parameters are listed below:

Leakage in Check Direction: Zero @ >.5 Psi (.03 Bar) Backpressure
Temperature Range: -40° to 375° F (-40° to 190 C)
Nominal Cracking Pressures: 0.15 – 3.0 Psi (0.01 – 0.2 Bar)
Maximum Operating Pressure: 5000 Psi (350 Bar)

Installation and Use:

1. Cavity: The cavity shall be in accordance with drawing CCV-750B. It is the responsibility of the user to ensure adequate wall thickness of the material to meet operating pressure requirements. Cartridge must be retained in a manner that prevents axial movement of the cartridge.
2. Mounting: Valve must be mounted in with the direction of the flow per the arrow engraved on the OD. Lubricate external O-ring with a lubricant suitable for the media, pressure, and O-ring material.
3. Maintenance: This valve is not reparable and disassembly will void all product warranties. Only personnel trained for assembling and using equipment subjected to high pressure shall be allowed to handle the valve.

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.