Description
The Cylinder Check Valve is used on the gas use outlet of industrial cryogenic liquid cylinders to prevent back flow into the cylinder. The optional “Tamper Evident Restraint” provides a visual indication if removal of the connection has been attempted. Available in CGA 540 & 580 configurations.

Features
- Compact and rugged one piece body construction
- Optional “Tamper Evident Restraint” - lock wire and lockout tag
- Provides visual evidence of compliance
- High flow design exceeds maximum cylinder output
- Supplied cleaned and bagged for Oxygen Service
- 100% Factory Tested for leakage
- GLT Low Temperature Viton™ Seal

Technical Data
- Nominal Crack Pressure: 1 Psig (0.07 Bar)
- External Leakage: Zero leak
- Internal Leakage: Zero leak at 0.5 PSIG (0.03 bar) Back Pressure
- Cv (flow coefficient): 0.65
- Maximum Pressure: 3000 PSIG @ 150° F (206 bar @ 66° C)
- Proof Pressure: 5,000 PSIG (345 bar)

Materials of Construction

<table>
<thead>
<tr>
<th>Component</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>Body, Poppet, Seat Insert, Seat Locking Screw</td>
<td>Brass, ASTM B16</td>
</tr>
<tr>
<td>Spring</td>
<td>Phosphor Bronze, ASTM B159</td>
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<tr>
<td>O’Ring Seal*</td>
<td>GLT Viton™</td>
</tr>
</tbody>
</table>

*Lubricated with Krytox™ GPL-205
Ordering Information

**SERIES**
OPC – One Piece Check

**INLET PORT**
3 – 3/8” Male NPT
4 – 1/2” Male NPT
Note: Port Threads into Outlet of Gas Use Shut-Off Valve

**OUTLET PORT**
540 – CGA 540 Connection
580 – CGA 580 Connection

**TAMPER EVIDENT**
T – Tamper Evident
Note: Omit if not required

**CRACK PRESSURE**
1 – 1 PSI Nominal
Note: Only available in 1 PSI Crack Pressure

**SEAL**
V – GLT Viton™

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