Description
The Series SDC connection system is supplied for installation into the outlet ports of most gas use, vent and fill valves on a cryogenic liquid cylinder. The system is a one-piece assembly consisting of a CGA fitting/clutch mechanism permanently mounted in a stainless steel locking bracket. Once installed, this system cannot be removed without rendering the CGA outlet connection unusable.

Features and Benefits
- Easily installs on most existing threaded cylinder valves using standard hex wrench.
- NPT Male connection supplied with factory applied PTFE thread sealant tape
- Suitable for both Industrial and Medical Applications
- CGA connections manufactured to industry standards
- Zero external leakage
- Cleaned and Packaged for Oxygen Service
- Optional Integral Anti-Back-Flow Check Valve
- OEM Endorsed

Materials of Construction

<table>
<thead>
<tr>
<th>Component</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fitting Body, Clutch Housing</td>
<td>Brass, ASTM B16</td>
</tr>
<tr>
<td>Spherical Locking Pawls</td>
<td>440 SS, ANSI 440C</td>
</tr>
<tr>
<td>Springs, Stop Washer</td>
<td>302 SS, ASTM A313</td>
</tr>
<tr>
<td>Locking Sleeve, Retaining Pins</td>
<td>304 SS, ASTM A240</td>
</tr>
<tr>
<td>Warning Label</td>
<td>4 Mil Laminated Vinyl</td>
</tr>
</tbody>
</table>
SERIES SDC
Self-Locking Liquid Cylinder Connectors

Series SDCC Shown
Connection with Integral Check Valve

Ordering Information

SDCC - 3 540 - V

SERIES
SDC - Self Locking CGA Connection
SDCC - Self Locking CGA Connection with Integral Check Valve (3320, 3326, 3540, & 3580 only)
Nominal 1 psi crack pressure.

INLET
3 - 3/8" NPT Male
375 - 3/8" NPT Male Plug (3000 psi) omit outlet designation (specify SDC-375)

OUTLET (MAWP*)
540 - CGA-540 (3000 psi)
320 - CGA-320 (3000 psi)
326 - CGA-326 (3000 psi)
580 - CGA-580 (3000 psi)
440 - CGA-440 (500 psi)
295 - CGA-295 (500 psi)
622 - CGA-622 (500 psi)
624 - CGA-624 (500 psi)

SEAL MATERIAL
V - Viton™, -10°F to 375°F (-23°C to 190°C)
B - Buna-N, -40°F to 250°F (-40°C to 121°C)
N - Neoprene, -40°F to 300°F (-40°C to 148°C)
EP - Ethylene Propylene, -65°F to 300°F (-54°C to 148°C)
FS - Fluorosilicone, -80°F to 350°F (-62°C to 176°C)

Note: Viton™ is a trademark of DuPont.

* as defined in CGA V-1 Standard for Compressed Gas Cylinder Valve Outlet and Inlet Connections

PROPER COMPONENT SELECTION – When specifying a component, the total system design must be considered to ensure safe and trouble-free performance. Intended component function, materials compatibility, pressure ratings, installation, environment and maintenance are the responsibility of the system designer.