GENERANT

SERIES SDC
Self-Locking Liquid Cylinder Connectors

SERIES SDC

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.



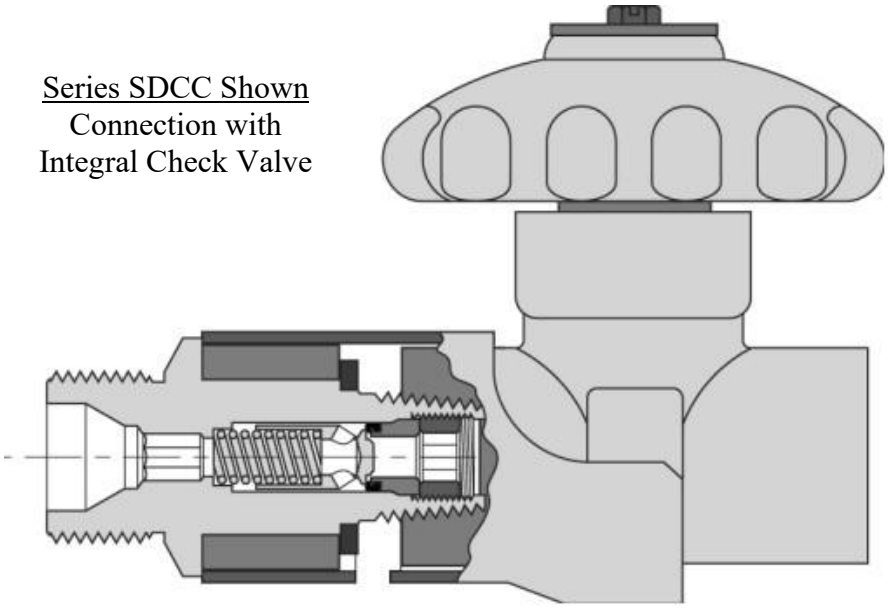
Features and Benefits
- Easily installs on most existing threaded cylinder valves using standard hex wrench.
- NPT Male connection supplied with factory applied PTFE thread sealant tape
- Suitable for both Industrial and Medical Applications
- CGA connections manufactured to industry standards
- Zero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

Materials of Construction

Component	Material
Fitting Body, Clutch Housing	Brass, ASTM B16
Spherical Locking Pawls	440 SS, ANSI 440C
Springs, Stop Washer	302 SS, ASTM A313
Locking Sleeve, Retaining Pins	304 SS, ASTM A240
Warning Label	4 Mil Laminated Vinyl

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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)

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

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.

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.

GENERANT
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