

SDC Series Installation and Removal Instructions

Installation

Note: All Series SDC and SDCC Connection Systems are supplied cleaned and packaged for use in Oxygen Systems. When utilized in an Oxygen application, proper procedures should be maintained to ensure that the complete installation is safe for Oxygen service.

CGA Connection*	Allen Wrench Required	MAWP (PSI)
295	3/8"	500
320, 326, 540, 580	7/32"	3000
440	7/16"	500
622, 624	7/32"	500
* - Per CGA V-1 Standard for Compressed Gas Cylinder Valve Outlet and Inlet Connections.		

The Generant Series SDC connection system is supplied ready for installation into the 3/8" port on the outlet valve of a liquid cylinder. The system is a one-piece assembly consisting of a CGA fitting and clutch mechanism installed into a Stainless Steel locking bracket. The 3/8" NPT thread is supplied with PTFE tape already applied. To install the fitting, use the following procedure.

1. Ensure threaded end of valve body is clean and free of any debris.
2. Place end of locking bracket over end of outlet valve.
3. Tighten the CGA fitting finger tight. The formed square section of the locking bracket must be guided to slide over the valve body.
4. Insert an Allen wrench into the center of the CGA fitting and tighten the connection into the valve body thereby pulling the locking bracket over the valve body.
5. The connection is installed and ready for safe use.
6. If desired, pressurize connection and spray a liquid leak detector into the sight windows and look for leaks.

Proper Removal for Fitting Replacement

Tools Required: Hacksaw or Saws-All with approximately a 24 Teeth Per Inch Blade.

The Generant Series SDC connection system is designed to be installed once. Removal of the system will render the connection unusable. To remove the connection, use the following procedure.

1. Place blade of the saw in between the end of the bracket and the fitting body. [see picture on right] Cut down completely through the fitting body. The gap will act as a guide for the blade.
2. Grasp the locking bracket and pull straight out over the remaining fitting stud. If necessary, gently tap the bracket off with a hammer. The clutch mechanism will fall apart allowing the locking bracket to be removed.
3. Place a pipe wrench on the remaining stud and remove the partial fitting, leaving the thread of the valve body intact for replacement with a SDC device.
4. The CGA fitting, locking bracket and clutch mechanism will be completely unusable.

