



BASIC LASER ASSIST GAS START-UP KIT INSTALLATION INSTRUCTIONS

NOTE: All components in the following instructions are shown on the Assist Gas installation instruction drawings. Familiarize yourself with the installation drawing and read all instructions before beginning installation.

STEP 1: Check Contents

1. Remove contents of system from packaging.
2. Inspect components visually to insure there is no damage. Do not install damaged components.

STEP 2: In a well ventilated area, determine mounting locations for all components. All components must be securely mounted to a substantial wall or surface using suitable mounting hardware (not included). Make sure there is adequate clearance on all sides of each component for proper operation.

STEP 3: Install fittings in the outlets of the regulators and inlets of laser. Threads should be wrapped with Teflon tape. Tighten with wrench.

STEP 4: Attach hose to flare fittings installed in step 3. Threads on flared ends of flare fittings are $\frac{3}{4}$ "-16 and should not be taped. Hold flare fittings securely with one wrench and tighten flared swivel connection on hose ends with another wrench.

STEP 5: Detailed instructions for installation and operation of regulators is included with regulators. Follow regulator instructions for attaching regulator to cylinder.

STEP 6: Pressurize, leak test and purge system according to regulator and Laser manufacturers' instructions.

*** DO NOT use the system if any leaks are detected.

General Precautions

- Installation should be performed by personnel knowledgeable in the handling of compressed gases.
- Choose a location well ventilated for installation
- Use proper precautions when dealing with any compressed gas.
- The user should be familiar with the chemical and reactive properties of the gas being used
(Read the MSDS of the gas being used).

Reference Material

The following safety bulletins are available on the Compressed Gas Association's website (www.cganet.com) or at (703) 412-0900:

- SB-2 Oxygen Deficient Atmospheres
- SB-10 Correct Labeling & Proper Fittings On Cylinders/Containers
- SB-15 Avoiding Hazards In Confined Work Spaces During Maintenance, Construction And Similar Activities
- SB-19 Potential Valve Thread & Cylinder Thread Mismatch

