

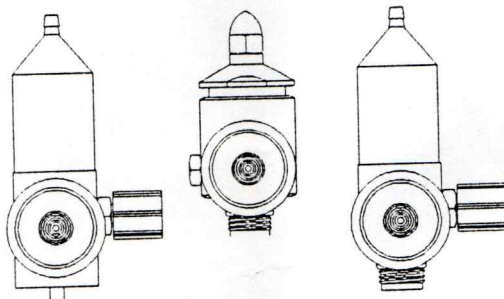
INDUSTRIAL SCIENTIFIC
CORPORATION

**RECOMMENDED PROCEDURES
FOR USING DISPOSABLE
GAS CYLINDER REGULATORS**

Industrial Scientific Corporation
1001 Oakdale Rd.
Oakdale, PA 15071
1-800-DETECTS (338-3287)

These instructions serve as guidelines for getting the maximum accuracy potential and avoiding contamination in the use of calibration gas mixtures contained in disposable gas cylinders.

Calibration gas mixtures are subject to contamination from the sampling system, atmospheric moisture, and oxygen. These general instructions will aid in eliminating common operator errors when using the gas mixtures and supplied pressure regulators.



Instructions

- 1.) Before attaching the regulator to the cylinder, make sure the regulator's on/off knob is turned ON. Be sure to point the gauge away from the face and towards the floor before attaching the regulator to the cylinder. When the regulator is fully engaged in the cylinder turn the regulator on/off knob OFF until ready to use. This procedure will help prevent trapped atmospheric air in the regulator from being injected into the cylinder.
- 2.) Keep your sampling system short and use compatible material in the gas system. Teflon (chemically inert) tubing works well with a majority of applications. The smaller your sampling system the less chance for interaction with the gas.
- 3.) Do not store your cylinders with the regulator fully engaged in the cylinder valve. Use the cylinder's primary sealing mechanism, the built in valve, to ensure product quality. The regulator is not designed as a primary sealing mechanism against product contamination.
- 4.) Do not over tighten the regulator on/off knob when turning the regulator OFF. It will take a few seconds for the flow to stop after the regulator is turned off because the pressure is being relieved in the regulator's body.
- 5.) Follow your instrument instruction manual for proper calibration of your equipment. Store cylinders in a clean, cool and dry area.

Regulators Manufactured by: Air Liquide America Corp.
821 Chesapeake Dr.
Cambridge, MD 21613

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