

Submitted for recognition as an American National Standard
ENTIRE STANDARD REVISED

OXYGEN FLOW INDICATORS

1. **SCOPE:** This standard establishes the general material and design requirements for oxygen flow indicating devices intended to operate in conjunction with an oxygen regulator and mask system. Flow indicators covered by this standard are for use with demand, diluter-demand and continuous flow oxygen systems.
2. **APPLICABLE DOCUMENTS:**
 - AIR 825B - Oxygen Equipment for Aircraft
 - AS 861 - Minimum General Standards for Oxygen Systems
 - AIR 1176 - Oxygen Systems and Components Cleaning and Packaging
 - AS 8025 - Passenger Oxygen Masks
 - AS 8026 - Crewmember Demand Oxygen Masks
3. **GENERAL MATERIAL REQUIREMENTS:** The materials used in the manufacture of oxygen flow indicators shall comply with the following requirements:
 - a. They shall not contaminate oxygen,
 - b. They shall not cause objectionable odors,
 - c. They shall not be adversely affected by prolonged contact with oxygen,
 - d. They shall be resistant to ozone environment,
 - e. They shall be flame-resistant as defined by FAR 25.853 (b-3),
 - f. They shall be capable of withstanding a minimum pressure of two times their maximum normal operating pressure without failure or rupture,
 - g. They shall be compatible with the materials of the regulator, delivery tube or mask to which they are attached.
4. **GENERAL DESIGN REQUIREMENTS:** Flow indicators may be designed for use with either low pressure, constant flow oxygen systems or for use with higher pressure demand or diluter-demand oxygen systems. The following design requirements shall apply to each type:

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