



# Specific Technical Requirements STR-16

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## Crewmember Constant Flow Mask

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### 1. Definition

The Crewmember Constant Flow Mask is installed for use by flight-crew members, cabin attendants or passengers in order to maintain, during inspiration, a mean tracheal oxygen partial pressure of 149 mmHg when breathing 15 litres per minute, BTPS, and with a maximum tidal volume of 700 cc with a constant time interval between respirations when supplied with the required oxygen flow.

### 2. Requirements and Acceptable Means of Compliance

The Crewmember Constant Flow Mask shall fulfil to the following requirements of JAR 25, Change 15 and documents as listed below

Requirement	Title
<b>JAR 25.853</b>	<b>Compartment Interiors</b>
JAR 25.853 (a)	Materials in crew or passenger compartments
<b>JAR 25.1443</b>	<b>Minimum mass flow for supplemental oxygen</b>
JAR 25.1443 (a)	Crewmember Continuous Flow Equipment
<b>JTSO-C78</b>	<b>Crewmember demand oxygen masks</b>
<b>TSO-C78</b>	<b>Crewmember demand oxygen masks</b>
<b>AS 8025</b>	<b>Passenger Oxygen Masks</b>
AS 8025 (4.3)	Gas Bag Volume
AS 8025 (5.5.1)	Strength
<b>AS 916</b>	<b>Oxygen flow indicator</b>
AS 916 (3.2)	Low Pressure Continuous Flow Type
<b>RTCA/DO 160 D</b>	<b>Environmental Conditions and Test Procedures for Airborne Equipment</b>

Acceptable means but not the only means of compliance are given in the applicable JAR 25 ACJ's.