

MASK SPECIFICATIONS

Model	
4110-725-()	For PB1, PB2, SC, or SK Outlets
Weight	14.5 Oz
Material	Silicone, Aluminum (Anodized), ABS, Carbon Composite
Certified Maximum Altitude	40,000 Feet
Communications	Electret Microphone/Acoustic Foam
Communications Plug	PJ068
Service Overhaul	3 years from manufacture date code
Oxygen System Requirements	
Breathing Oxygen	Aviators O2 per MIL-PRF-27210
Minimum Oxygen Flow	100 liters per minute
Ambient Temperature	70° F (21° C)
Normal Pressure	55 to 70 Psi
Operating Temperature Range	+20° F to +120° F (-7° C to +49° C)
Relative Humidity	.5 to 95 percent
Storage Temperature	
Normal	+20° F to +120° F (-7° C to +49° C)
Extreme (See Stowage)	-67° F to +160° F (-55° C to +71° C)

Installation and Application

The conditions and tests required for TSO approval of this article are minimum performance standards. It is the responsibility of those desiring to install the article on or within a specific type or class of aircraft to determine that the aircraft installation conditions are within the TSO standards. TSO articles must have separate approval for installation in an aircraft. The article may be installed only if performed under 14 CFR Part 43 of the applicable airworthiness requirements.

Normative Reference Information

aerOX® Diluter Demand Oxygen Masks meet the requirements of TSO-C78A and TSO-C89A and the following tailored reference requirements.

- SAE 8026A
- SAE 8027

**RETAIN THESE INSTRUCTIONS
DO NOT DISCARD**

OPERATING INSTRUCTIONS AND EQUIPMENT LIMITATIONS FOR



SHAW AEROX LLC

4110-725 SERIES

FAA TSO-C78A & TSO-C89A APPROVED

**QUICK DONNING, DILUTER DEMAND CREWMEMBER
OXYGEN MASK**

IMPORTANT WARNING!

- READ ALL INSTRUCTIONS AND EQUIPMENT LIMITATIONS BEFORE USE.
- IMPROPER USE OF THIS DILUTER DEMAND OXYGEN MASK MAY RESULT IN SERIOUS INJURY, ILLNESS, OR DEATH.
- DO NOT USE THIS MASK UNLESS YOU ARE CLEAN SHAVEN. BEARDS, STUBBLE, OR SIDEBURNS WILL PREVENT AN ACCEPTABLE FACE PIECE SEAL. FACIAL HAIR MAY INTERFERE WITH THE DILUTION DEMAND FUNCTION.
- ABSENCE OF ONE OR BOTH DENTURES CAN SERIOUSLY AFFECT THE FIT OF THE THIS OXYGEN MASK.
- DO NOT ALTER OR MODIFY ANY COMPONENT OF THIS OXYGEN MASK.
- DISCONTINUE USE IF YOU EXPERIENCE SKIN IRRITATION OR DISCOLORATION.
- THIS MASK IS INTENDED FOR USE IN THE AVIATION INDUSTRY FOR PILOT AND CREW AFTER RECEIVING PROPER INSTRUCTION AND TRAINING.
- USERS MUST CLEAN AND MAINTAIN THIS OXYGEN MASK IN ACCORDANCE WITH aerOX® INSTRUCTIONS.
- DO NOT EXPOSE OXYGEN MASK TO ANY PETROLEUM BASED PRODUCTS. (ie LIP STICK, LIP BALM, LIP GLOSS AND VASELINE.) USE OF THESE PRODUCTS IN AN OXYGEN RICH ENVIRONMENT PRESENTS A SERIOUS FIRE HAZARD.

DESCRIPTION

The 4110-725 Series, quick donning, diluter demand oxygen mask with microphone and inflatable head harness is intended to be used by crew members in the general aviation industry at a maximum altitude of 40,000 feet. These masks have been FAA approved and manufactured in accordance with the provisions of TSO-C78A and TSO-C89A and are equipped with fittings for attachment to aEROX®, Puritan-Bennett, Scott (AVOX), or SkyOx O2 Systems.

OXYGEN SYSTEM REQUIREMENTS

Minimum oxygen flow of 100 liters per minute at 55 Psi to 70 Psi must be supplied. It is the responsibility of the user to ensure that the oxygen system being used is capable of supplying the pressure required to maintain the proper flow rate. This mask comes with an aEROX® flow indicator. It is the responsibility of the user to select the proper connector for his or her plug in.

STOWAGE

The aEROX® diluter demand oxygen mask should be stored in an easily accessible area for quick donning. The storage location must protect the mask from damage and contamination. To increase service life, avoid stowing the mask in an area that is susceptible to direct sunlight and extreme temperature conditions. If the aircraft is to be exposed to extreme cold weather for an extended period, the mask should be removed and stored at ambient temperature.

SERVICING

The aEROX® diluter demand oxygen mask shall only be serviced and repaired at the factory or aEROX® authorized repair stations. Contact aEROX® Aviation Oxygen Systems for the nearest authorized repair station.

Shaw Aerox LLC
25190 Bernwood Dr.
Bonita Springs, FL 34135
Ph: 239-390-8158 Fax: 239-405-6101
aerox@aerox.com www.aerox.com

OPERATION

- 1) While depressing the right inflation paddle. Head harness will immediately inflate so that donning is possible using one hand.
- 2) Position the bottom of the mask as low as possible under the chin while positioning the lower head band around back of the neck and under the ears.
- 3) Depress left paddle to deflate harness around head while adjusting mask to the face as the harness tightens. Adjust the upper head band by sliding forward or aft on the lower inflatable harness. Additional adjustment for comfort can be made by adjusting the Velcro™ strap on the back of head piece.
- 4) Oxygen flow and pressure must be checked prior to use by pressing both paddles at once and purging oxygen from the mask.

WARNING

All personal using this equipment must have a thorough knowledge when to use supplemental oxygen and complete understanding as to the intent, performance and usage of a diluter demand oxygen mask.

- **Always confirm the flow of oxygen during use via the supplied inline flow indicator.**
- **Inspect the mask prior to flight. Special attention must be given to the head gear for deterioration, cracks, tears, rips, and contamination.**
- **Examine the support straps for breaks or tears, loss of elasticity, and broken malfunctioning valves.**
- **Examine for excessively worn serrations on head harness, which might permit slippage.**
- **Remove the mask from service if any of these conditions are found.**

CLEANING

If the mask becomes contaminated and needs to be cleaned, use warm soapy water and a lint free cloth to wipe the exterior and interior of the mask.

Use caution if mask is equipped with a microphone. Avoid direct contact with water or damage may occur.

Do not use water heated above 140° F (60° C).

Sanitize by hanging mask in an open area and spray with a 3% hydrogen peroxide solution in a fine mist. Allow to air dry completely.