



Get back to the business of flying – fast.

One hand, five seconds – that’s all it takes to don our crew mask.

Rockwell Collins’ Sweep-On® 2000™ crew oxygen mask system enhances pilot safety and comfort while providing stowability and ease of maintenance. When pilots face an emergency, we help them get back to the business of flying, fast.

EASY ON, EASY ADJUSTMENT

The Sweep-On 2000’s military style face seal gives superior sealing on a wide range of face shapes and sizes.

Several optional features include a non-invasive communication system, which provides clear audio transmission by deactivating the user’s microphone during inhalation. Other optional features include an adjustable harness for customized mask fit, pressure indicators and a variety of oxygen and audio connectors. Additionally, we offer an auto-dilution port that allows the user to wear the mask while consuming only cabin air, thus conserving the available oxygen. The system is TSO approved for automatic pressure breathing up to 45,000 feet.

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ADJUSTABLE OXYGEN DELIVERY

Our mask features a demand regulator, selectable via a single knob, that operates in three modes.

NORM - In normal/diluter mode, the regulator provides supplemental oxygen based on cabin altitude. At lower altitudes, ambient air enters the regulator and mixes with the oxygen to conserve the oxygen supply. As cabin altitude increases, the regulator reduces the percentage of ambient air coming in until 100% oxygen is supplied to the user.

100% - The 100% mode will supply 100% oxygen to the user regardless of altitude.

EMER - The emergency mode provides 100% oxygen with a positive pressure to prevent gas contaminants from entering the mask.

KEY FEATURES

- > Adjustable tension harness for comfort control
- > Single-knob regulator mode control
- > In-situ press-to-test stowage feature
- > Clear audio transmission
- > Auto-dilution port for reduced oxygen consumption

KEY BENEFITS

- > Fully TSO approved
- > Simplifies oxygen mode selection
- > Expedites pre-flight testing
- > Protects against hypoxia and toxic smoke
- > Reduces fatigue while wearing with comfort adjustment

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FLEXIBLE STOWAGE OPTIONS

Masks can be stored in a stowage container or space-saving stowage cup. The stowage container enables the crew to test the masks without removing them.

Our accompanying smoke goggles – which can be provided with their own stowage container – easily fit a variety of face shapes and over eyeglasses, and can be donned over the crew mask while continuing to perform necessary functions.

The goggles' polycarbonate lenses feature an abrasion-resistant exterior and an anti-fogging agent on the inner surface. When used with the Sweep-On 2000 crew mask the goggles have TCO-C99 authorization. Additionally, when the goggles are added, a purge valve blows a small amount of oxygen toward the lens to clear any fogging.



CREW MASK AND REGULATOR

MODEL	APPROVAL	DESCRIPTION	FEATURES
174250-XX	TSO-C58	Automatic oxygen dilution from sea level and emergency purge for visual and respiratory protection	Single-knob regulator mode selector with NORM, 100% and EMER mode settings
174260-XX	TSO-C78		
	TSO-C89 TSO-C99 to 40,000 feet		
174252-XX	TSO-C58	Automatic oxygen dilution from sea level and emergency purge for visual and respiratory protection	Single-knob regulator mode selector with NORM, 100% and EMER mode settings
174262-XX	TSO-C78 TSO-C89 TSO-C99 to 45,000 feet		
		Automatic positive pressure breathing to 45,000 feet	

SPECIFICATIONS

Crew mask and regulator	Service Aviators breathing oxygen per MIL-O-27210 type 1	Supply pressure 60-90 psig	Certifications TSO-C78, TSO-C89, TSO-C99 TSO-C58 approval with electret microphone
Standard stowage container	Dimensions 5.75" x 4.50" x various depths (146 mm x 114 mm x various depths)	Mounting opening 4.50" x 4.50" (114 mm x 114 mm)	TSOA per ARINC standards
Stowage cup	Dimension 7.20" x 4.50" x 2.80" (183 mm x 114.3 mm x 71.1 mm)	Mounting opening N/A	TSOA

Specifications subject to change without notice.

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Rockwell Collins delivers innovative aviation and high-integrity solutions that transform commercial and government customers' futures worldwide. Backed by a global network of service and support, we are deeply committed to putting our solutions to work for you, whenever and wherever you need us. In this way, working together, we build trust. Every day.

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