

SOLR[®] MASK

Oxygen Mask



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WHERE TECHNOLOGY **»** TAKES FLIGHT

SOLR[®] Mask

OXYGEN MASK

The SOLR Oxygen Mask is a high-performance oxygen delivery system designed for military freefall (MMF) and HAHO operations. Built on a proven platform, it enhances safety, comfort, and operational efficiency.

Key Features

- Field-maintainable and easily reconfigurable
- Simplifies maintenance and logistics
- Compatible with:
 - SOLR Pre-Breather and Bailout Bottles
 - Legacy PHAOS Bailout Bottles
 - PHANTOM Bailout Bottles
- Enhanced downward field of view
- “Clean front” design (no front torso hoses) improved mobility and visibility
- Automatic Anti-Suffocation Valve
 - Activates if bottle is empty or disconnected
 - Allows continued breathing of ambient air
- Cold weather version provides freezing protection in cold conditions

Fit & Comfort

- Available in 5 sizes
- Fits 3rd percentile female to 97th percentile male
- Soft black silicone shell:
 - Lower durometer than traditional masks
 - Improved comfort for extended wear

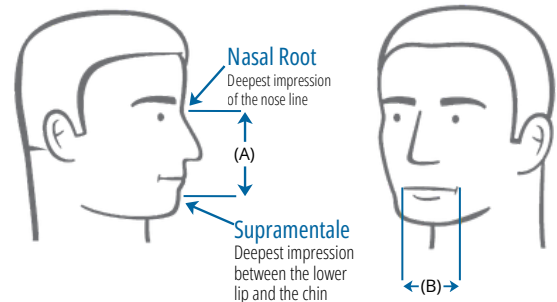
Oxygen Delivery System

Non-Dilution Demand Regulator (Standard)

- Delivers 100% oxygen on inhalation
- Used during pre-breathing, jump & canopy descent
- Eliminates mixed gas breathing
- Reduces risk of hypoxia

User Interface & Operation

- Secure, adjustable face seal
- Quick-release capability:
 - User-operated or assisted emergency removal
- Integrated M-169A/AIC microphone
 - Compatible with standard comms systems
 - U172/U cable at end connection



Specifications

Medium	100% Oxygen
Inlet Pressure	40 to 80 psig 2.8 to 5.5 bar
Operating Environment	
Temperature	-65° to +160°F -54° to +71°C
Humidity	0 to 100%, non-condensing
Altitude (ceiling)	35,000 ft 10 668m
Product Interfaces	
Inlet Fitting	Quick Disconnect Plug (mates with 1/8 inch socket)
Helmet Attachment	OPS CORE / GENTEX / ALPHA BAYONET / TEAM WENDY

Mask Size Measurement	<u>Face Length (A).</u>
XSN (Extra Small Narrow)	Less than 84 mm
SN (Small Narrow)	84 mm to 87 mm
MN (Medium Narrow)	87 mm to 100 mm
MW (Medium Wide)	87 mm to 100 mm
LW (Large Wide)	More than 100 mm
Mask Size Measurement	<u>Mouth Width (B).</u>
Narrow	Less than 62 mm
Wide	More than 63 mm