

GENTEX®

HA/LP

High Altitude/Low Profile Oxygen Mask



The Gentex HA/LP Oxygen Mask

Low Profile, High Performance

Designed for use with the Gentex HGU-55/P Aircrew Fixed Wing Helmet, the low profile and innovative features of the Gentex High Altitude/Low Profile (HA/LP) Oxygen Mask provides aircrew the ultimate in safety and situational awareness for advanced performance. Working with both Pressure Breathing for G (PBG) equipped high-performance fighter/attack aircraft and Non-PBG equipped aircraft, the HA/LP Oxygen Mask is used and depended on by the U.S. Department of Defense and Foreign Military Services throughout the world.

KEY FEATURES

Automatic Mask Tensioning During High-G Maneuvers

A derivative of the USAF MBU-20/P Oxygen Mask, the PBG HA/LP Oxygen Mask incorporates a bladder supply hose that connects the mask assembly to an occipital bladder in the helmet to provide automatic mask tensioning during high-G maneuvers. The Non-PBG HA/LP is based on the USAF MBU-20A/P and is a direct replacement for the MBU-12/P Oxygen Mask.

Perfect Fit and Features for Optimal Safety

The Gentex HA/LP Oxygen Mask utilizes a lightweight hardshell that may be custom-trimmed for maximum comfort while maintaining an appropriate fit for optimal safety. Also enhancing safety is the silicone-rubber face piece, which incorporates a reflective seal design for optimum sealing capabilities and auto adjustment in high-G environments. Additional safety comes from a chin cup and cheek flaps, which provide injury protection during high speed and/or high altitude ejections; single handed in-flight donning and doffing capability; and a smaller mask cavity that results in reduced CO₂ buildup.

+600 Knot Windblast and Low Breathing Resistance Protection

The lightweight, low profile mask design provides optimal positive pressure breathing (PPB) sealing capabilities with +600 knot windblast and rapid decompression protection. Plus, separate inhalation and exhalation valves minimize breathing resistance, which reduces aircrew fatigue.

Easily Configurable to Mission Needs and Sizes

The HA/LP Oxygen Mask can be quickly and easily reconfigured from a Non-PBG to a PBG mask. The mask can also be configured with a variety of microphones including the Gentex Modified M-169A/AIC, M-176/AIC Electret (for U.S. Navy compatible communications) and NATO compatible microphones. The HA/LP Oxygen Mask is available in five sizes, to fit 3rd percentile female through 97th percentile male aircrew members.

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Contact Us

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KEY FEATURES CONTINUED

Valsalva and Unconscious/Disabled Breathing Assistance

An exhalation valve occluder is incorporated on the compensated exhalation valve to assist aircrew members in performing the Valsalva maneuver. An optional anti-suffocation valve can be added that allows unconscious or disabled aircrew members to breathe when the mask is on the face.

Easily Integrates with Gentex and other Helmet Systems and Accessories

Compatible with Gentex and other aircrew fixed wing helmets, the HA/LP Oxygen Mask easily integrates with other helmet system components including: Night Vision Goggles; Helmet Mounted Displays; both tracked and bungee Single and Dual Visor systems.

Meets Performance Requirements of Current & Future Aircraft

The Gentex HA/LP Oxygen Mask is designed to seamlessly integrate and operate in the performance envelopes of Eurofighter Typhoon, Gripen, Rafael, Hawk, F-15, F-16, F-18, F-22 and F-35 (JSF) as well as all major trainer, bomber, and transport fixed-wing, rotary-wing, and tilt-rotor aircraft platforms.

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