

## 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 CO<sub>2</sub> 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 3<sup>rd</sup> percentile female through 97<sup>th</sup> percentile male aircrew members.

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### Contact Us

Gentex is committed to designing and manufacturing advanced performance capabilities for worldwide aircrew personnel. For more information on the High Altitude/Low Profile Oxygen Mask, please contact Gentex at [sales@gentexcorp.com](mailto:sales@gentexcorp.com) or one of our authorized distributors through [www.gentexcorp.com](http://www.gentexcorp.com). Like us at [facebook.com/Gentexcorp](https://facebook.com/Gentexcorp) or follow us on Twitter @Gentex\_Corp.



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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.

### **Contact Us**

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