

MBU-20/P

Oxygen Mask



The Gentex MBU-20/P Oxygen Mask

PBG Capability and GLOC Prevention

The Gentex MBU-20/P Oxygen Mask is an integral component of the Gentex HGU-55/P Fixed Wing Aircrew Helmet System, providing Pressure Breathing for G (PBG) capability to tactical aircrew, while reducing the probability of G-induced Loss of Consciousness (GLOC). Issued to all U.S. F-15, F-16, and F-22 fighter pilots, this exceptional unit offers a lightweight, low-profile design with advanced, performance enhancing capabilities.

KEY FEATURES

Low Breathing Resistance Function and Optimal Sealing

Separate inhalation and exhalation valves minimize breathing resistance and a special reflective edge provides optimum sealing to optimize safety and reduce aircrew fatigue. Additional safety features include a silicone-rubber chin cup and cheek flaps, which provide injury protection during high speed and/or high altitude ejections.

Automatic Mask Tensioning During High-G Maneuvers

The MBU-20/P 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.

Versatile, Low Profile Design

The MBU-20/P utilizes a lightweight hard shell that may be custom-trimmed to optimize fit and comfort. Single-handed in-flight donning and doffing capability, with the ability to allow the mask to hang on either the left or right side of the helmet, adds to the versatility and easy operation of the mask. The low-profile design incorporates a smaller mask cavity than other oxygen masks to reduce CO₂ buildup.

Seamless Integration with Other Helmet System Components

The MBU-20/P seamlessly integrates with the Gentex HGU-55/P Helmet and other helmet system components including Night Vision Goggles, Helmet Mounted Displays, and tracked and bungee visor systems. The Gentex M-169A Microphone and standard communication interfaces are included and the MBU-20/P meets all current speech intelligibility requirements.

Broad Range of Sizes for Use in F-Series U.S. Aircraft

Designed for the specific needs of U.S. Air Force aircrew flying F-15, F-16, and F-22 aircraft, the MBU-20/P Oxygen Mask is available in five sizes to fit the 97th to the 3rd percentile. A sizing chart is available to help determine the optimal fit.

COMBAT EDGE MBU-20/P Oxygen Mask		
Part Number	Size	NSN
G010-1100-55	Extra Small Narrow	1660-01-479-5621LS
G010-1100-51	Small Narrow	1660-01-399-1762LS
G010-1100-52	Medium Narrow	1660-01-399-1760LS
G010-1100-53	Medium Wide	1660-01-399-1761LS
G010-1100-54	Large Wide	1660-01-399-1765LS

Contact Us

Gentex is committed to designing and manufacturing advanced performance capabilities for worldwide aircrew personnel. For more information on the Gentex MBU-20/P Oxygen Mask, please contact Gentex at sales@gentexcorp.com or one of our authorized distributors through www.gentexcorp.com. Like us at [facebook.com/Gentexcorp](https://www.facebook.com/Gentexcorp) or follow us on Twitter @Gentex_Corp.