



Increase the Safety from Particulate Contaminants without Compromising Overall Aircrew Safety

GENTEX
CORPORATION



DESCRIPTION AND FEATURES

Secure Fit under Helmets

The Low-Profile Particulate Respirator (LPPR) fits securely and comfortably underneath the helmet with headband; remaining secured even during donning and doffing of helmets.

Strong Filtration Efficiency

Offers at least 99.97% filtration efficiency against airborne particulates including lead, asbestos, lubricant mist, and explosive gunfire residue. Meets the NIOSH requirements for inhalation and exhalation breathing resistance, P100 filtration and exhaust valve leakage specifications for a half mask particulate respirator. Each LPPR filter is tested for initial penetration and resistance. Testing procedure and design requirement matches NIOSH 42 CFR Subpart K section 84.181

Maintain Communication

Includes a fully encapsulated mask microphone which improves communications clarity by reducing the wind noise associated with a standard boom microphone. Can be configured for all major aircraft intercom systems and portable radios

SIMPLE OPERATION AND MAINTENANCE

Great for use on live fire ranges, mechanical breaching, explosive breaching, thermal breaching, air mounted operations, and heliborne operations, particularly First Responder and Medivac Operations. Safe protection for any activity where irritating or harmful particles may be present in the air. The LPPR has been optimized for airborne operations during training and in operational environments. It is designed for quick one-handed filter change, has easy to adjust suspension straps, specific helmet interfaces for fixed and rotary wing aircraft, and the sizing is one size fit "most".



THOROUGHLY TESTED FOR PARTICULATE FILTRATION (TESTED TO NIOSH P100 STANDARD)

Verification testing was performed using Diocetyl Phthalate (DOP) particulate aerosol and the filter maintained an efficiency of at least 0.03% at 85 liters/min. Testing procedure and design requirement matches NIOSH 42 CFR Subpart K section 84.181. LPPR is tested to NIOSH P100 standard which is much higher both in durability (oil proof) and in filtration efficiency (P100 = 99.97% whereas N95 = 95%). That said, LPPR is tested to and passes NIOSH standards, but is not NIOSH approved. While CDC does not recommend respirators as the first measure for the public to use to prevent the spread of Corona Virus, they do indicate that N95 masks are effective. "An N95 FFR is a type of respirator which removes particles from the air that are breathed through it. These respirators filter out at least 95% of very small (0.3 micron) particles. N95 FFRs are capable of filtering out all types of particles, including bacteria and viruses."

NOTE: Filters 99.97% vs 95% for N95 Standards

SHELF LIFE DETAILS

Shelf Life for LPPR Mask - Per Gentex Test Report QTR G055-1000-Q02, Section 3.2 Shelf Life is minimum of one year when stored at 68F +/- 3.5F (20C +/- 2C)

Shelf Life for Filter - Per Gentex Test Report QTR G055-1000-Q02, Section 3.2 Shelf Life is minimum of one year when stored at 68F +/- 3.5F (20C +/- 2C)

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SEAMLESS INTEGRATION

Use with Helmet Mounted Devices: Seamlessly integrates with NVGs and other eye protection products (Visors, LASER Eye Protection, etc...)

One Size Fits Most: Flexible and lightweight silicone face piece with a wide, wraparound, and pleated design to enable the respirator to fit to a large variety of facial types

Designed for In-Flight Long Duration Use: Front mounted inhalation valves and cartridge ports for an enhanced field-of-vision and a quick one-handed filter change

Multi-Platform Compatible: The LPPR is available for use with the HGU-56/P, HGU-84/P, SPH, HGU-55/P, Alpha® 900 and Alpha Eagle helmet systems. Using the headband option allows this system to be used with practically any helmet or head mounted tool.

PRICING

Item:	PFG Part Number:	NSN:	Price:
LPPR with Offset Bayonets, 150 Ohm Mic for HGU-55/68/84P	G055-2000-04	N/A	\$447.50
LPPR with Offset Bayonets, 5 Ohm Mic for HGU-55/68/84P	G055-2000-03	N/A	\$447.50
LPPR with Spreader Bar, 150 Ohm Mic for HGU-56/P and SPH	G055-2000-02	N/A	\$428.75
LPPR with Spreader Bar, 5 Ohm Mic for HGU-56/P and SPH	G055-2000-01	N/A	\$428.75
LPPR – No Bayonets, 150 Ohm Mic for Alpha Helmets	G055-2000-06	N/A	\$275.00
LPPR – No Bayonets, 5 Ohm Mic for Alpha Helmets	G055-2000-05	N/A	\$275.00
LPPR – Head Harness, 150 Ohm Microphone	G055-2000-08	N/A	\$275.00
LPPR – Head Harness, 5 Ohm Microphone	G055-2000-07	N/A	\$275.00
Bayonet Receivers (Offset Bayonet) for LPPR HGU-55/84	GW9117	N/A	\$28.55
Striker Plate Kit for LPPR Spreader Bar for HGU-56 / SPH	G015-0028-03	N/A	\$27.04