

TACAIR

Advanced CBRN Respirator System



Gentex TACAIR Advanced CBRN Respirator System on a Gentex HGU-55/P Helmet

Complete Protection and Seamless Integration for Maximum Performance

The Gentex TACAIR Advanced Chemical, Biological, Radiological, and Nuclear (CBRN) Respirator System was specifically designed and tested to meet stringent performance specifications by the Department of Defense. The state-of-the-art system respirator provides world-class levels of protection for F-15, F-16, F/A-18, and other fixed wing pilots. The respirator system simultaneously provides CBRN and Pressure Breathing for Altitude (PBA) / Pressure Breathing for Gravity (PBG)* protection. It also seamlessly integrates with other mission essential equipment such as optical equipment and Gentex helmets, oxygen masks, optical and communications devices. The comfortable lightweight system is completely man-mounted and requires no aircraft modifications or power.

KEY FEATURES

Safety Assured for Continuous Use

The TACAIR CBRN Respirator System advanced positive pressure-blown filtered air system allows for 16 hours of continuous head, eye, and respiratory CBRN protection in addition to flame and thermal protection.

Advanced Materials

The air system is comprised of flame-resistant barrier textile materials, an agent resistant and highly flexible neckdam, a hard-coated optically transparent visor, and hardened valves.

Independent Function

The self-contained, man-mounted battery-powered system requires no aircraft modifications and provides post ejection protection.

Protection for High Performance

Provides PBA protection and when fitted with a PBG kit, protects aircrew at up to 9Gz*, offering enhanced mission endurance.

Simultaneous Integration

Paired with the proven Gentex MBU-20/P series O2 mask, the TACAIR CBRN Respirator System offers simultaneous CBRN protection with pressure breathing for Gz (PBG) in high performance aircraft (e.g. COMBAT EDGE) as well as Hypoxia protection.

Modular Compatibility

With a conforming, 3D patterning design to match helmet geometry (edge roll, liner and suspension system), the system's hood is compatible with a broad range of life support equipment such as helmets and other Aviation Life Support Equipment (ALSE) across various FW aircraft platforms.

High Configurability

The TACAIR CBRN Respirator System is compatible with below-the-neck CBRN ensembles providing complete head-to-toe CBRN protection as well as flame and thermal protection.

Contact Us

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