Joint Service General Purpose Mask M50 & M51

Description
The Joint Service General Purpose Mask (JSGPM) is a lightweight, protective mask system – consisting of mask, carrier and accessories – that incorporates state-of-the-art technology to protect U.S. forces from anticipated threats. There are two variants: M50 (ground) and M51 (vehicle). This mask replaces the M40 & M42, MCU-2/P Series Masks, and the M45 in the Land Warrior Program.

Mission
To provide face, eye and respiratory protection from battlefield concentrations of Chemical and Biological (CB) agents, toxins, toxic industrial materials and radiological particulate matter.

Capabilities
- Over 24 hours of above-the-neck protection from CB agents and radioactive particles
- Over 50% improvement in breathing resistance compared to legacy masks
- Overall field-of-view is greater than or equal to 80%
- Improved compatibility with current and emerging CB garments
- Improvements Over the MCU-2/P, M40/M42 and M45: ~ Reduced weight, bulk and lower breathing resistance ~ Increased drinking capability ~ Improved mask carrier system ~ Filter Service Life Indicator capability ~ Flame Resistant Hood for Combat Vehicle Version ~ Improved reliability, improved comfort ~ Filter change out in a contaminated environment (self-sealing valve)

Users

Status
Production and Deployment