



M13A1 Gas Particulate Filter Unit (GPFU)

M13A1 GPFU

Description

M13A1 Gas Particulate Filter Unit is mounted in various vehicles supplying filtered air via hoses to the crews' protective masks, protecting those individuals against Chemical, Biological, and Radiological (CBR) contaminants. The unit consists of M1A1-19 pre-cleaner and particulate filter assembly, two 10 cubic feet per minute (CFM) M18A1 gas filters, a circuit breaker and switch, four M3 electric air heaters, rubber air hoses, hose assemblies, and installation hardware such as a frame assembly, cables, loop clamps, holding clips, quick disconnect couplings, elbows and tees.



Mission

Removes chemical and biological agents and radiological particulates from contaminated air, and supply purified air directly to the crewmembers' M51 or M42A2 protective masks, of various combat vehicles such as the Stryker, M1 Abrams Main Battle Tank, and the M728 Combat Engineer Vehicle.

Capabilities

- Provides purified air through particulate and gas filters to four users
- Provides CBR filtered air through a connection on a user's M51 or M42A2 protective mask
- Aids breathing and reduces leakage around the edge of the mask face piece
- Allow users to adjust the temperature of air, through individual heaters, flowing to their mask during cold weather operations

Users

US Marine Corps, US Army

Status

Sustainment

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