



M8A3 Gas Particulate Filter Unit (GPFU)

M8A3 GPFU

Description

The M8A3 is mounted in various vehicles supplying filtered air via hoses to the crew's protective masks, protecting those individuals against Chemical, Biological, and Radiological (CBR) contaminants. The unit consists of a M2A2 air purifier (including a particulate filter and a chemical vapor filter), a circuit breaker and switch, four air hose assemblies with quick-disconnect coupling, a frame assembly, a spring clip for the air purifier, a power cable, M3 heaters, loop clamps and holding clips for the hoses, and common hardware.

Mission

Removes CBR vapors, aerosols and particulates from contaminated air and supplies purified air to the crewmembers of armored vehicles and other specialty military vehicles directly to their M51 or M42A2 protective masks.

Capabilities

- Provides CBR filtered air to up to 4 users in a military vehicle
- Compatible with M51 or M42A2 mask
- Allows users to adjust the temperature of air, through individual air heaters, flowing to their masks during cold weather operations
- Aids breathing through positive pressure and reduces leakage around the edge of the mask facepiece

Users

US Marine Corps, US Army

Status

Sustainment



This Fact Sheet was cleared for public release on 12/14/2011.

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