

Applications:



Hermetically Sealed Filter Canister (HSFC)



200, 400 & 600 CFM Modular Collective Protection Equipment (MCPE) Filter Units



Shipboard 5600 CFM Filter Unit



1000 CFM Fan Filter Assembly (FFA)

Ordering Data:

- Gas-Particulate Filter Set, M98 * 4240-01-369-6533
- Gas-Particulate Filter Set, M98 * 4240-01-486-1344
- Particulate Filter, 200 CFM..... 4240-01-066-3266
- Gas Filter, 200 CFM 4240-01-297-7066

** NSN 4240-01-369-6533 is in a Level A pack for transport worldwide and for long-term storage. NSN 4240-01-486-1344 is in a Level B pack for intermediate shipping only, and must be consumed within 1 year of its pack date.*

Contact Item Manager for availability and current pricing information.

Size (OD x ID x H) & Weight:

- Gas-Particulate Filter Set 21.4" x 12.1" x 10.4" 50 lbs
- Particulate Filter 16.6" x 12.1" x 10.4" 13 lbs
- Gas Filter 21.4" x 16.7" x 10.4" 37 lbs

For Additional Information, Contact:

Item Manager: Soldier, Biological and Chemical Command
 Attn: AMSSB-HB (RI), Rock Island, IL 61299-7390
 Phone: (309) 782-4265 or (309) 782-5455

Materiel Developer: Edgewood Chemical Biological Center
 Attn: AMSSB-REN-P, APG, MD 21010-5424
 Phone: (410) 436-5682 or (410) 436-5512

Or Email:



**M98
 Gas-Particulate
 Filter Set, 200 CFM**



**NBC
 Gas-Particulate
 Filtration**

Use/Function:

The 200 CFM M98 Gas-Particulate Filter Set provides a source of clean air, protecting against chemical/biological warfare agents and radiological particles. The versatile M98 filter is configured and packaged for use separately or installed in series in a variety of filter/blower applications designed for radial airflow patterns. It is also the filter set used in the Hermetically Sealed Filter Canister (HSFC), a component of M20A1/M28 Simplified Collective Protection Equipment.

Physical Description:

The 200 CFM M98 Gas-Particulate Filter Set is a 2-stage filter with removable gas and particulate elements. Air flows in a radial pattern through the concentric cylinder-shaped filter elements. The filter set measures 21.4" OD x 12.1" ID x 10.4" H and weighs 50 lbs unpackaged.

Contaminated air is first directed through the 200 CFM **Particulate Filter**, which contains a High Efficiency Particulate Air (HEPA) filter media. The HEPA media is pleated to maximize surface area for collecting sub-micron size particles, such as biological and radiological particles. The partially filtered air then flows through the 200 CFM **Gas Filter**, which contains a tightly-packed bed of activated carbon impregnated with copper, silver, zinc and molybdenum salts, and triethylenediamine (ASZM-TEDA). The ASZM-TEDA carbon adsorbs chemical agent vapors and aerosols.

Design Characteristics:

- Modular, removable gas and particulate filter elements.
- Standardized size, making it useable in a variety of filtration applications.
- 200 CFM radial airflow pattern through filter elements.
- Effective filtration at temperatures ranging from -60°F to $+160^{\circ}\text{F}$.
- Filter components and filter media materials are resistant to fungus and mildew.
- Available in both Level A and Level B packaging to meet user's needs.
- Level A packed in sealed storage can.
- 5-year extendable shelf life (on filter set and gas

M98 Gas-Particulate Filter Set Components and Features

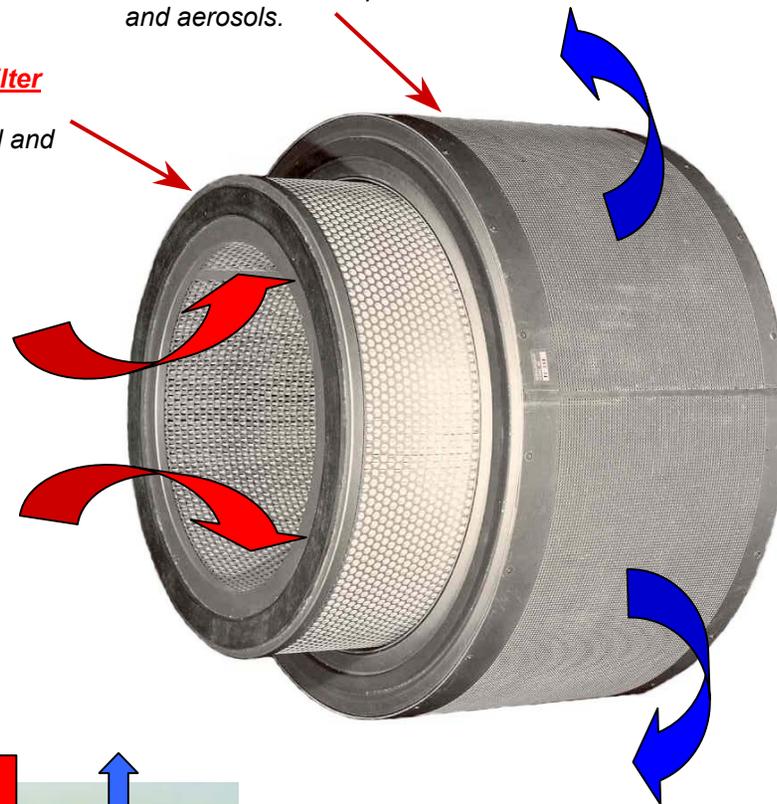


ECBC
Edgewood Chemical Biological Center

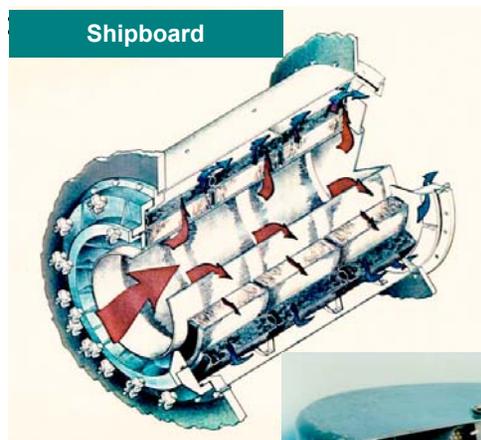
200 CFM **Gas Filter** with activated TEDA carbon adsorbs chemical vapors and aerosols.

200 CFM **Particulate Filter** with pleated HEPA filter media collects biological and radiological particulates.

Unfiltered air flows through the particulate filter element into the gas filter.



After passing through the gas filter element, the air is completely filtered.



Radial airflow pattern through 200 CFM gas-particulate filters shown in shipboard and Hermetically-Sealed Filter Canister (HSFC) applications.

