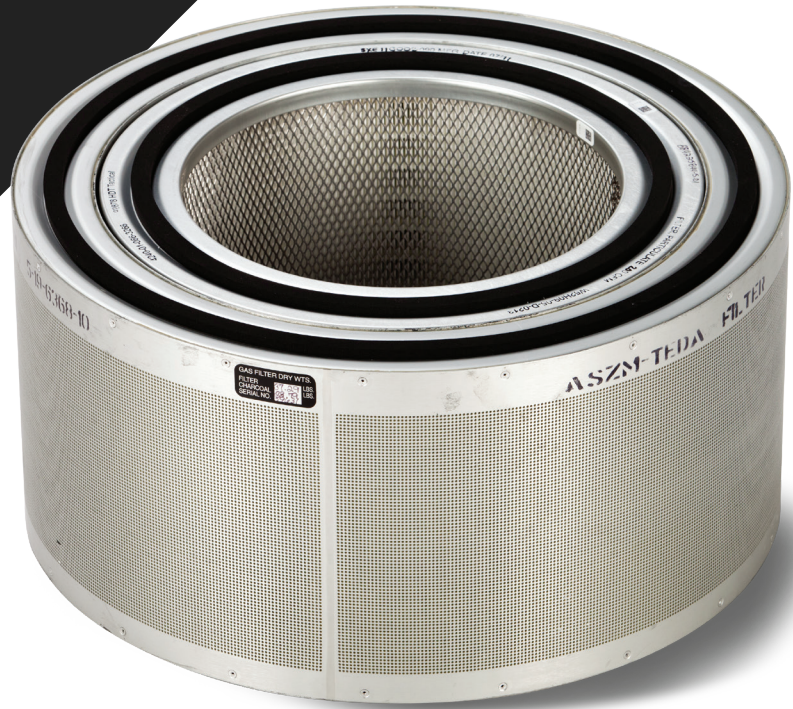


M98 GAS AND PARTICULATE FILTER SET

200 CFM (340m³/h) Filter Set or Separate Gas/Particulate Filters



HDT's M98, 200 CFM (340 m³/h) CBRN filter set removes airborne toxic chemical and biological warfare agents in gaseous (vapor) and aerosol (particulate) form to provide purified air for collective protection systems in mobile shelters, vehicles and marine vessels.

Designed and tested to provide protection from all known chemical and biological warfare agents, HDT M98 filter sets are ideal for all medium airflow requirements and are used on military M84, M95 and M59 filtration systems as well as HDT's FFA series of shelter collective protection systems.

The M98 filter set includes two filter cartridges – a gas (carbon) adsorber and a particulate (HEPA) filter. The dual cartridge structure allows filters to be replaced independently and also allows for the design of systems that use one filter or the other. Cartridges may also be purchased separately.

The M98 training filter set is designed to simulate the shape and mechanical performance of the M98 filter. This training filter utilizes the same HEPA filter while the gas filter element is

empty. It can be used to simulate filter installation, operation and replacement. The training filter can't and shouldn't be used in real combat situation it is not intended to filter any CBRN agents in any form. This filter set is sold separately and not part of the M98 filter set.

M98 filter sets can also be used in higher airflow applications – such as building collective protection systems – using HDT OpenAire® or MCRF housings. M98 filter sets can be combined to create flow rates from 400 CFM (680 m³/h) to 1600 CFM (2718 m³/h) on a single transportable filter unit. Multiple units can be employed to accommodate even larger airflow requirements such as the U.S. Navy's Collective Protection System (CPS) which uses as many as 200 M98 filter sets per ship.

The M98 filter set exceeds all requirements of AEP 54 (Edition 2, October 2014).

Contact HDT at 800-969-8527 to learn how the M98 filter sets can be configured and applied to meet your CBRN collective protection system needs.

KEY FEATURES

- 200 CFM (340 m³/h) rated airflow
- Three independent cartridges (gas/carbon, particulate/HEPA and peacetime/training) sold as a set, or separately, allow for frequent and independent HEPA filter replacement without disturbing the gas adsorber
- ASZM-TEDA carbon
- Radial configuration
- Modular configurations allow for multiple filter installations
- Exceeds AEP-54 (Edition 2, October 2014) requirements

M98 GAS AND PARTICULATE FILTER SET

200 CFM (340m³/h) Filter Set or Separate Gas/Particulate Filters



SPECIFICATIONS

Ordering information	M98 Filter Set (US)	M98 Filter Set (Export)	M98 Peacetime / Training Filter Set***
SET			
HDT part number	5-19-6722-N	5-19-6722-E	5-16-6722-P
NSN	4240-01-369-6533		
Gas filter only			
HDT part number	5-19-6368-10-DRUM	5-19-6368-10-DRUM	5-19-6368-P
NSN	4240-01-550-5226		
HEPA filter only			
HDT part number	106722	106722-E	106722-P
NSN	4240-01-066-3266		
Capacity	200 CFM	340 m ³ /h	200 CFM / 340 m ³ /h
Air flow resistance	5.5 IWG (Max. New)	1375 Pa (Max. New)	6.0 IWG / 1500 Pa (Max. New)
Physical Characteristics			
Length (metal)	10.19"	25.89cm	10.19" / 25.52cm
Length (with gaskets)	10.44"	26.52cm	10.44" / 26.52cm
Outside diameter			
Gas	21.43"	54.4cm	21.43" / 54.4cm
HEPA	16.6"	40.6cm	16.6" / 40.6cm
Inside Diameter (Set)			
Gas	16.69"	42.4cm	16.69" / 42.4cm
HEPA	12"	30.5cm	12" / 30.5cm
Weight			
Gas*	35.5 lbs	16.14 kg	7.25 lbs / 3.48 kg
HEPA	7.75 lbs	3.52 kg	7.75 lbs / 3.52 kg
Material			
Gas	Aluminum	Aluminum	Aluminum
HEPA	Stainless Steel / Aluminum	Stainless Steel / Aluminum	Stainless Steel / Aluminum
Gas Filter Elements			
Media	ASZM-TEDA MIL-DTL-32101	ASZM-TEDA MIL-DTL-32101	Empty Shell
DMMP CT value**	300,000 mg x min / m ³	300,000 mg x min / m ³	N/A
CK CT value**	110,000 mg x min / m ³	110,000 mg x min / m ³	N/A
HEPA Filter Efficiency	99.97% @ 0.3 µm	99.97% @ 0.3 µm	99% @ 0.3 µm
Specifications	MIL-PRF-51527 MIL-PRF-51526 (HEPA)	STANAG4447 AEP-54 (Ed.2, 10/14)	"The training filter can't and shouldn't be used in real combat situation it is not intended to filter any CBRN agents in any form."

*Weight may vary due to carbon density and certain other factors.

** Minimum – new

*** Gas filter housing is tinted RED to alert user the filter is not a standard filter.

Products, product specifications and data are subject to change without notice to improve reliability, function, and/or design. Please contact Customer Service at 800.969.8527 for the most up-to-date product information.

HDT Expeditionary Systems, Inc.

30500 Aurora Road, Suite 100, Solon, OH 44139 USA

P 800.969.8527 / 216.HDT.6111 / sales@hdtglobal.com



NON-EXPORT CONTROLLED INFORMATION

Revision 24 11-23 01-07-05-0077