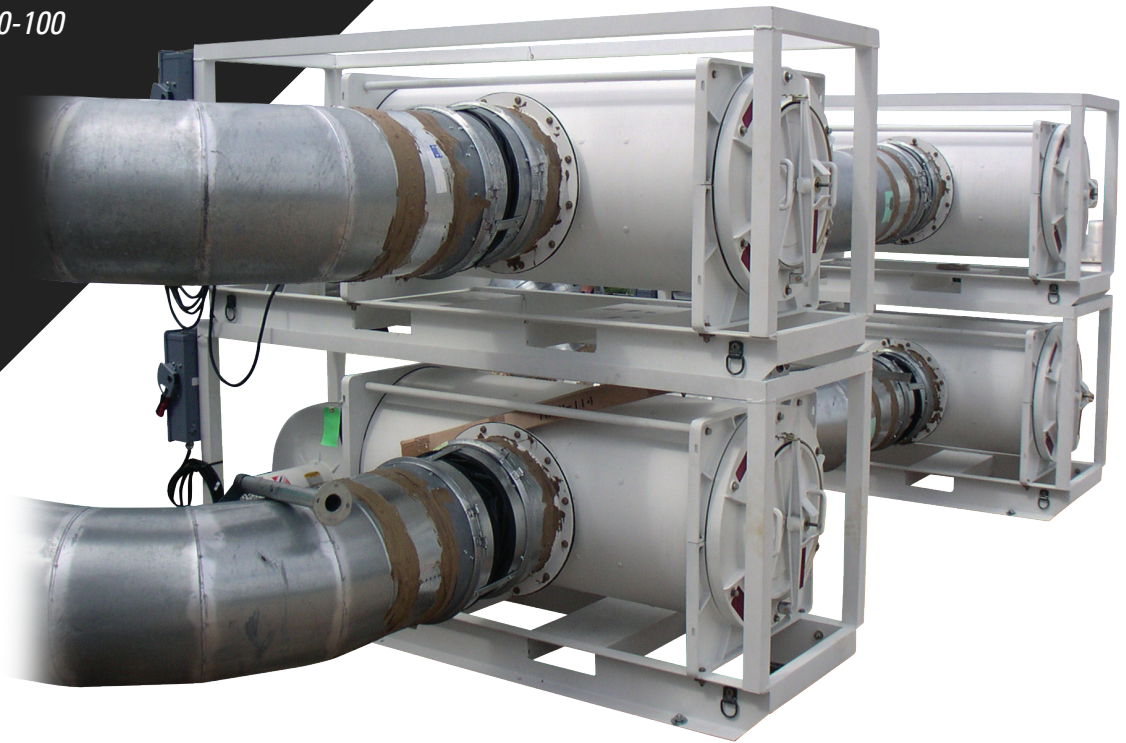


HDT CBRN FAN FILTER ASSEMBLY

*FFA580-100, FFA1000-100
and FFA1000-200*



HDT manufactures CBRN fan filter assemblies that support positive pressure CBRN air filtration systems delivering 600 CFM (1,019 m³/h), 1,000 CFM (1,700 m³/h) or larger capacities, of clean, safe, breathable air. These units are ideal for mobile, semi-permanent, or fixed site shelters and buildings.

FFA580-100

HDT's FFA580-100 is a compact, all-weather, portable, medium output, positive pressure CBRN filtration system providing filtered air ideal for use with mobile command posts, medical shelters, or permanent shelters. The system includes a blower, filter housing, and frame assembly. Designed to operate with three (3) HDT M98, 200 CFM (340 m³/h) gas and particulate filter sets (sold separately), the FFA580-100's rated airflow is 600 CFM (1,019 m³/h), adjustable by use of the manual flow control valve, located on the blower inlet. Two units can be stacked, reducing the system footprint for transport or installation.

Designed for the U.S. Air Force KMU-450 collective protection system and adapted to the Survivable Collective Protection System, (SCPS), the FFA580-100 was also adopted by the U.S. Air Force for the Collectively Protected Expeditionary Medical Support (CPEMEDS) system as part of the fixed installation ingress/egress airlock system in a recirculation configuration (FFA580-100-BTD).

FFA1000-100 and FFA1000-200

Installed in government, military and civilian facilities worldwide, HDT's FFA1000 is a transportable, all-weather, high output, positive pressure CBRN air filtration system capable of providing filtered air for semi-permanent or permanent transportable shelters and fixed site buildings.

The FFA1000-100 model features a motor/fan assembly, a filter housing designed to operate with five (5) HDT M98 200 CFM (340 m³/h) gas and particulate filter sets (sold separately), and a frame assembly. The system is self-supporting and transportable. Airflow is adjustable using the manual control valve on the blower inlet. Multiple units can be stacked and nested to create a large air supply unit with multiple air sources.

The FFA1000-200 model contains only the filter housing and housing support. Air for nested units is supplied from a customer-furnished source (or sources). A compact cube and light weight allow two people to carry the unit through standard 30" door openings, and skid-free/frameless construction enables multiple system configurations.

HDT CBRN FAN FILTER ASSEMBLY

FFA580-100, FFA1000-100 and FFA1000-200



FFA580-100 KEY FEATURES

- 600 CFM (1,019 m³/h) airflow with manual flow control
- Medium airflow for mobile field shelters
- Uses three (3) standard M98 filter sets, sold separately
- Airdrop capable, forklift transportable

FFA1000-100 AND FFA1000-200 KEY FEATURES

- 1000 CFM (1,700 m³/h) airflow with manual flow control
- High airflow for large transportable shelters or permanent installations
- Uses five (5) standard M98 filter sets, sold separately
- Available with (-100) or without (-200) frame assembly

SPECIFICATIONS

| Ordering information | FFA 580-100 | FFA 1000-100 | FFA 1000-200 | Filter Element** |
|--|---|---|--|----------------------------------|
| HDT part number | FFA580-100 | FFA1000-100 | FFA1000-200 | 5-19-6722-N |
| NSN | 4230-01-101-3611 | 4240-01-485-6185 | 4240-01-485-6183 | 4240-01-369-6533 |
| Rated airflow | | | | |
| Diagonal | 600 CFM 1019 m ³ /h | 1000 CFM 1700 m ³ /h | 1000 CFM 1700 m ³ /h | 200 CFM 340 m ³ /h |
| Airflow resistance | | | | |
| | 6.5 IWG est. 1617 Pa | 6.0" H ₂ O 1500 Pa | 6.0" H ₂ O 1500 Pa | |
| Pressure performances | | | | |
| Stowed | 9.0 IWG est. 2241 Pa | 12.5 IWG 3125 Pa | Customer furnished equipment | |
| Power requirements | | | | |
| Hz | 50 / 60 | 60 | | |
| VAC | 190 – 230 Standard*** | 208 – 230*** | | |
| Phase | 3 Phase | 3 Phase | | |
| Amp | 8.8 – 7.2*** | 9.7 – 8.9*** | | |
| HP | 3.0 | 3.75 (1.15 service factor) | | |
| Housing materials | | | | |
| | Aluminum | Aluminum | Aluminum | |
| Physical characteristics | | | | |
| L x W x H | 61.5" x 24.65" x 37.36" 156.21 cm x 62.61 cm x 94.9 cm | 83" x 24.65" x 37.36" 210.82 cm x 62.61 cm x 94.9 cm | 58.85" x 26.76" x 26.97" 149.5 x 68 x 68.5 cm | |
| Weight (no filters) including accessories | 300 lbs 136 kg | 330 lbs 150 kg | | |
| Filter | | | | |
| Number of filter sets | 3 | 5 | 5 | |
| Qualifications | | | | See M98 filter datasheet |

* Housing only

** Not included with the filtration unit

*** Special order or field modified 380-460VAC, 4.4 – 3.6 Amps

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 9 11-23 01-07-04-0356