

FFA580-100

600-CFM NBC Filtration System



HDT's FFA580-100 is designed to remove toxic chemical and biological warfare agents in gaseous (vapor) and aerosol (particulate) forms from the airstream, while providing a toxic-free environment to personnel or equipment by creating positive pressure in the toxic-free area (TFA). Ideal for mobile or permanent shelters.

The FFA580-100 is a compact, all weather, portable, positive pressure NBC filtration system that can provide up to 600-CFM of clean, safe, breathable air for mobile or permanent shelters. It is both stackable and air droppable, the FFA580-100 is ideal for mobile command and medical shelters, as well as permanent shelters.

Originally designed for the U.S. Air Force KMU-450 Collective Protection System, and adapted to the Survivable Collective Protection System (SCPS) More recently, the system has been adapted as a part of a fixed installation egress and ingress air lock system.

KEY FEATURES

- 600 CFM (1019 m3/h) airflow adjustable by means of a manual flow control valve located on blower inlet
- Medium airflow for mobile field shelters
- Uses standard M98, 200 CFM (340 m3/h) filter sets (NSN 4240-01-369-6533), three per system
- All-weather, stackable, modular design
- Airdrop capable/forklift transportable

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Ordering information

HDT part number	FFA580-100
NSN	4240-01-101-3611
Military specification	Air Force Exhibit 412A-81902-62002

Rated air flow 600 cfm, 1020 m3/h

Airflow resistance 6.5 in H2O, 1617 Pa

System pressure performance 9.0 iwg
2241 Pa

Physical characteristics

L x W x H 62" x 27.4" x 28.4"
157.5 x 69.5 x 72.05 cm

Weight 435 lbs
197.3 kg

Housing material Aluminum

Filter M98, Gas and Particulate, Filter Set, 200-cfm part no. 5-19-6722-N

NSN NSN 4240-01-369-6533

Gas filter element

Carbon media AZSM-TEDA

Airflow resistance 4.5 iwg
945 Pa (Maximum new)

Filter weight 35.5 lbs.

Carbon density, max 0.65 g/ml

DMMP / CT value 300,000 mg x min / m3 (minimum new)

CK / CT value 180,000 mg x min / m3 (minimum new)

Particulate filter element

Airflow resistance 1.0 iwg
210 Pz (maximum new)

Filter weight 7.75 lbs

Particle removal efficiency @ .3 microns 99.97%

Power requirements

Hz 50 / 60

VAC 190 -230 standard
380 - 460 (special order or field modified)

Amp 8.8 - 7.2
4.4 - 3.6

HP 3.0

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.

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