

M93 GPFU

CBRN Protection for Vehicles and Shelters



Designed to remove toxic chemical and biological warfare agents in gaseous (vapor) and aerosol (particulate) forms from the airstream, the 100 CFM (170 m³/h) Gas Particulate Filter Unit provides a toxic-free environment to personnel or equipment by creating positive pressure in the toxic-free area (TFA).

This 100 CFM (170 m³/h) filter unit is the smallest and lightest in the HDT family of overpressure collective protection filter systems, designed to protect vehicles and shelters with minimum size, weight, and power requirements. The M93 GPFU mounts directly to the outside shelter wall. Its integrated electronics allow variable-speed operation from various types of power without additional converters, and it requires only one compact control module.

The M93 GPFU provides positive-pressure collective protection for vehicles and mobile shelters. The M93 GPFU requires 510 watts of power and can be operated at 50/60 or 400 Hz single phase.

The M93 GPFU uses the M48A1 Filter Canister (5-19-7435). This filter is rated at 100 CFM (170 m³/h) and performs gas and particulate filtration.

A system control module provides the interface for the M93 GPFU, including power and an audible and visual low-pressure alarm indicating when positive pressure is falling below acceptable levels. An optional inertial particle separator kit could be added to the M93 to improve system performance and durability in heavy dust environments.

Please contact HDT for more information about the M93 GPFU filter system and our other CBRN collective protection products.

KEY FEATURES

- 100 CFM (170 m³/h) airflow
- Self-contained canister
- ASZM-TEDA carbon media
- System control module

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CONTROL MODULE ELEMENT SPECIFICATIONS

	M93 GPFU System (requires M48A1 Filter)	M93 GPFU System (with M48A1 Filter)	M93 Dust Separator Kit
Ordering Information			
Part Number	5-19-8892	5-19-8892-MNC	62-5-19-13984
NSN	4240-01-231-6515	4240-01-231-6515	N/A

FILTER UNIT SPECIFICATIONS

Rated Air Flow	100 CFM 170 m ³ /h
Dimensions (L x W x H)	13.5" x 13.5" x 27.81" 34.29 x 34.29 x 70.64 cm
Weight	61 lbs 27.66 kg
Filter	M48A1

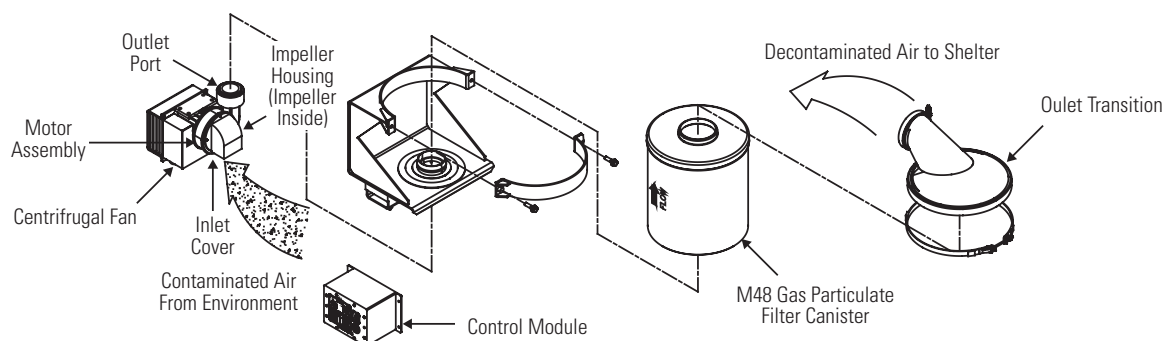
CONTROL MODULE ELEMENT SPECIFICATIONS

Power Requirements	
Voltage	28 VDC
Current, max.	250 mA
Dimensions (L x W x H)	9" x 5.94" x 5.44" 22.86 x 15.09 x 13.82 cm
Weight	4 lbs 1.81 kg

CENTRIFUGAL FAN SPECIFICATIONS

Rated Air Flow	20 – 100 CFM 34 – 170 m ³ /h
Power Requirements	
Voltage	120 VAC
Current, max.	510 Watts
Frequency, single phase	50/60 or 400 Hz
Dimensions (L x W x H)	0.37" x 9" x 10" 26.34 x 22.86 x 25.4 cm
Weight	17 lbs 7.71 kg

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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