

Product Description

This 100-cfm 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 Engineered Technologies for more information about the M93 GPFU filter system and our other CBRN collective protection products.



System includes components as shown, cables not included.

100-CFM GAS PARTICULATE FILTER UNIT NSN: 4240-01-231-6515

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

KEY FEATURES:

- 100-cfm airflow
- Self-contained canister
- ASZM-TEDA carbon media
- System control module

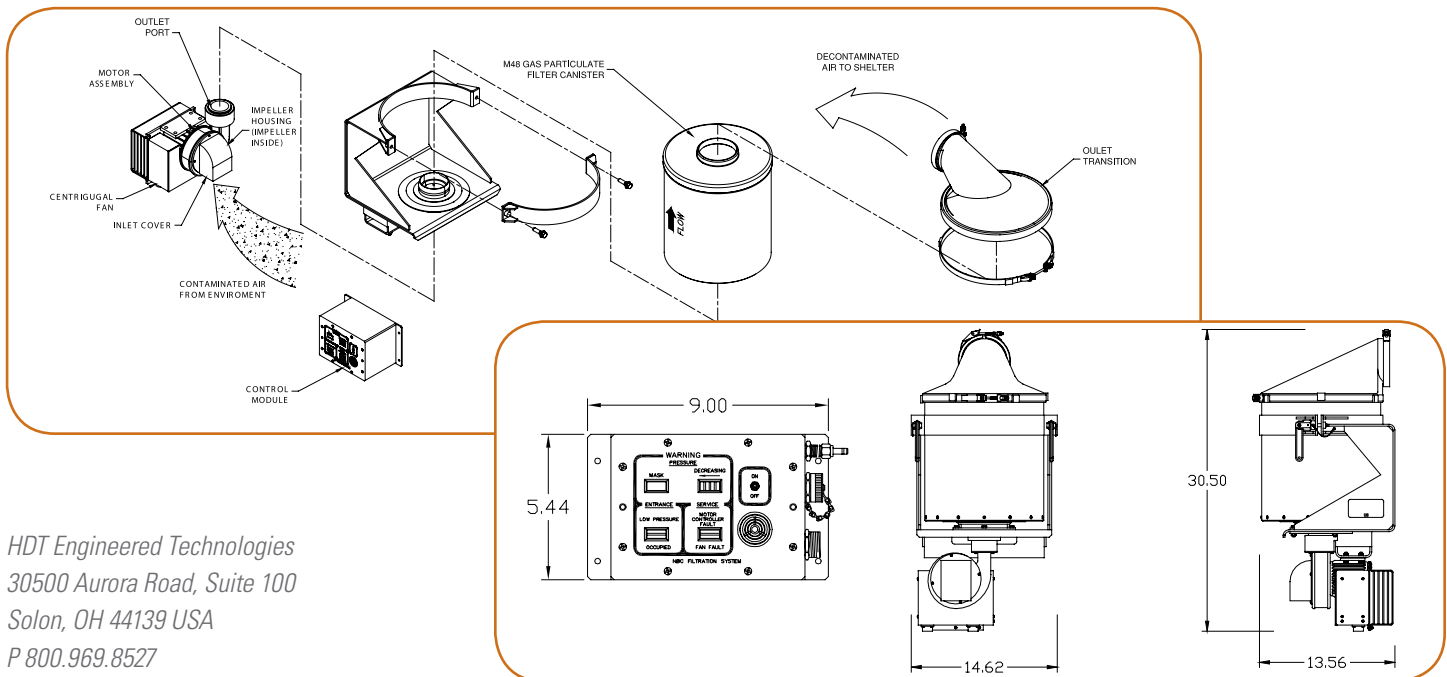
Specifications

M93 GPFU

	Filter Unit		Centrifugal Fan		System Control Module	
Rated air flow	100 cfm	170 m ³ /hr	20-100 cfm	34-170 m ³ /hr		
Physical characteristics						
Length	13.50"	34.29 cm	10.37"	26.34 cm	9"	22.86 cm
Width	13.50"	34.29 cm	9"	22.86 cm	5.94"	15.09 cm
Height	27.81"	70.64 cm	10"	25.40 cm	5.44"	13.82 cm
Weight	61 lbs.	27.66 kg	17 lbs.	7.71 kg	4 lbs.	1.81 kg
Power requirements						
Voltage			120 vac*			
Current, max.			510 watts	250 mA		
Frequency, single phase			50/60 or 400 Hz			
Gas filter element						
Carbon media			ASZM-TEDA			
Particulate filter element						
Particulate efficiency			99.97% at .3µm			

*Custom voltages available.

Contact HDT Engineered Technologies for more information.



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