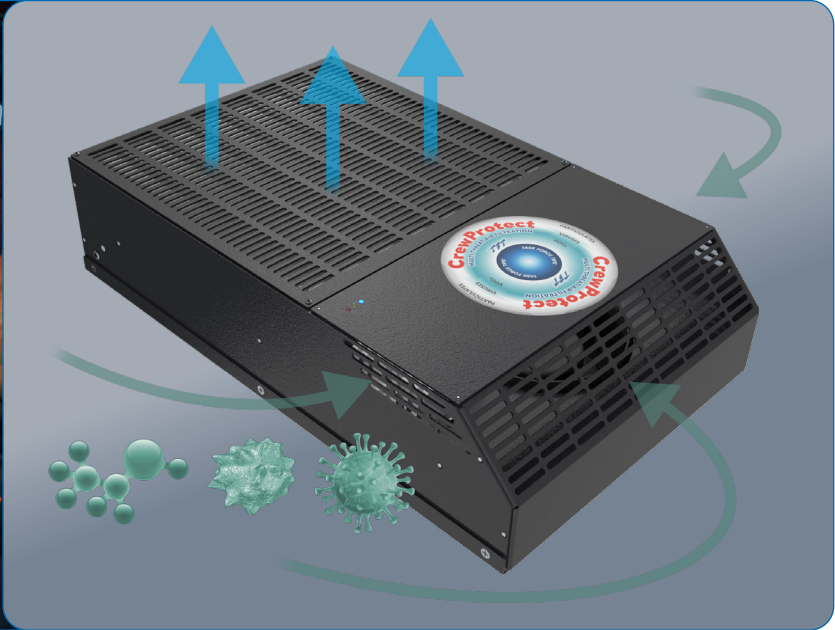


CrewProtect™

MULTI-THREAT
AIR FILTRATION

VOCs • PARTICULATES • AEROSOLS CARRYING VIRUSES



Firefighters face significant risks today, not only during response, but after the call as well. After leaving a fire, personnel, clothing and equipment are contaminated with cancer causing particulate soot and some items will continue to off-gas VOCs (Volatile Organic Compounds) that can be inhaled for up to 45 minutes. In addition, medical responses and close quarters in apparatus, increase the chance for exposure to a range of bacterial and viral threats.

CrewProtect is a unique, self-contained and comprehensive air filtration system for enclosed apparatus cabs that protects first responders from multiple threats they face each day. Unlike competitive products that address only one or two threats, CrewProtect attacks all three significant problems for firefighters including Particulates, VOCs, and Aerosols carrying bacteria and viruses (including SARS-CoV-2, the virus that causes COVID-19). CrewProtect can be easily installed into new or existing apparatus by OEM's, apparatus dealers, or apparatus service shops.

TFT has partnered with our sister company, Purafil – one of the largest air filtration companies in the world – to integrate proven and patented filtration technology into CrewProtect. Similar filtration systems are used globally today in hospitals, industrial sites, schools, telecom, energy sites, agriculture, and food production. CrewProtect is a comprehensive and simple solution to help protect first responders from the multiple harmful and carcinogenic airborne contaminants that other filtration systems miss.

VOLATILE ORGANIC COMPOUNDS

PARTICULATES

AEROSOLS CARRYING VIRUSES

CrewProtect™

MULTI-THREAT AIR FILTRATION

INCREASED FIREFIGHTER HEALTH AND SAFETY

CrewProtect is protecting whenever the apparatus is in use. It is filtering the air in the average cab every 3.5 minutes, which exceeds the air exchange rate of “clean rooms” and operating rooms in hospitals! As it purifies the air, it is removing two of the greatest contributors to firefighter cancer: particulates and VOCs. In addition, it removes aerosols carrying viruses and bacteria.

COMPACT, QUIET, AND AUTOMATIC

At 12” (305 mm), CrewProtect can be installed horizontally or vertically in virtually any interior cab location using the provided mounting brackets. The system connects directly to 12 volt systems and automatically runs when the truck is operating. No need to turn on/off or adjust the flow rate. It operates at 100 CFMs and only 60.2 decibels, well below the NFPA maximum of 90 decibels.

EASY TO CHANGE LONG LIFE FILTERS

CrewProtect includes smart filtration technology to visually alert you when the filter needs to be replaced. The filter is designed to neutralize harmful chemical contaminants, making it safe to simply discard as normal trash. The long life replacement filter is easily installed and ready to protect without any activation process.

DESIGNED FOR THE FIRE SERVICE

CrewProtect is encased in steel that is powder coated inside and out and is specifically designed to withstand the apparatus cab traffic by being compact, rugged, and includes a three-year limited warranty. The filter system’s patented technology is the ONLY fire apparatus product that tackles particulates, microbes, and VOCs.

GREAT FOR NEW OR IN-SERVICE TRUCKS

Plug and play installation connects to standard truck power. The system only draws 2 amps and includes mounting brackets for installation in the roof, wall or doghouse.

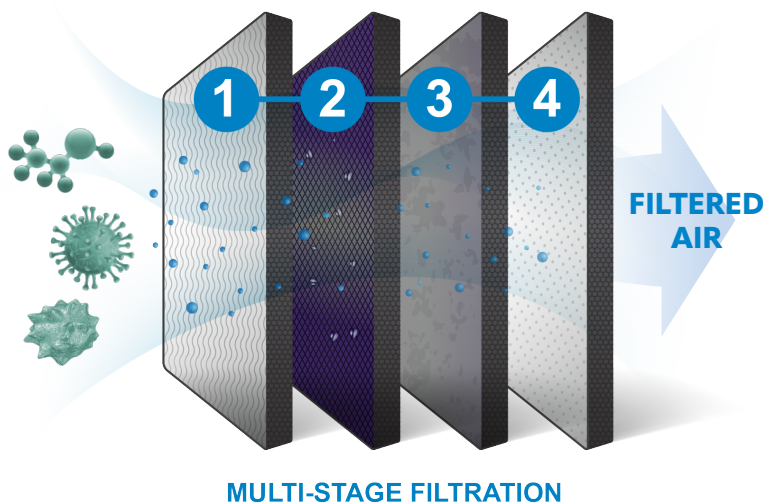


VOCs • PARTICULATES • AEROSOLS CARRYING VIRUSES

The CrewProtect Multi-Stage Filter Removes Harmful Contaminants Like Formaldehyde, Acetaldehyde, NO, N₂O, HCN, and H₂S

CrewProtect Filter Removes 99.46% of Solutions Containing SARS-CoV-2, The Virus That Causes COVID-19†

HOW IT WORKS



- 1 Pre-filter:** Traps dust, pollen and other large particulate matter.
- 2 Molecular Filtration:** Patented[§] molecular filtration media removes aerosols carrying viruses from the air, safely oxidizing the molecules, while removing toxic and harmful gases.
- 3 PuraWard Filter:** The PuraWard filter is protected from many viruses, bacteria, and mold using copper and silver †.
- 4 HEPA Final Filter:** Captures PM_{0.3}, PM_{2.5} and other particulates, allergens, bacteria and viruses.

PURAWARD FILTER PROTECTS FROM VIRUSES AND BACTERIA:

Virus	Reduction Rate
H1N1	99.91%
H7N9	99.98%

Bacteria	Reduction Rate
S. Aureus	99.95%
E. coli	99.96%

MEDIA REMOVES 99.46% OF SOLUTIONS CONTAINING SARS-CoV-2, THE VIRUS THAT CAUSES COVID-19‡

Virus	Reduction Rate
SARS-CoV-2	99.46%

Filter protected by an EPA-registered antimicrobial additive.

[§] Patent number US 9,370,763 B2

[†] Filter protected by an EPA-registered antimicrobial additive.

[‡] MRIGlobal Project No. 311686.01.001

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AIR FILTRATION

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SPECS

Description	US	Metric
Dimensions	4.5 x 20 x 12" = ~0.65 ft³	115 x 508 x 305 mm = ~0.65 ft³
Power Draw	12Vdc @ 2A (~50W max)	
Noise	60 Db.	
Air Flow (3.5 Minutes to Cycle Air)	100 CFM	2832 l/m
Filter	Single Filter, Multi-threat (Particulates, VOCs, Aerosols Carrying Bacteria and Viruses)	
Filter Life Indicator	Color LED Light, RFID Technology	
Filter Life	1,800 Hours Active Usage or 4380 Hours of Intermittent Usage	
Enclosure Material	Charcoal Grey Powder Coated Steel	
Patent	Pending	

HOW TO ORDER

Part #	Description
CC-300	CAB AIR FILTRATION UNIT 12VDC ACTIVE



Contact your TFT dealer for more information.



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