



# AN UNEXPECTED AIR DEFENSE



**CrewProtect™**  
MULTI-THREAT AIR FILTRATION

POWERED BY  **PuraShield®**  
Filtration Group

CREWPROTECT.NET

# THE THREAT YOU NEVER SAW COMING

ONE OF THE GREATEST THREATS TO FIREFIGHTERS FOLLOWS THE FLAMES.

First Responders face significant risk, 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 extended periods of time. In addition, medical responses and close quarters in apparatus increase the chance for exposure to a range of bacterial and viral threats.





**Cancer is the leading cause of death among firefighters.** In fact, firefighters are nine times more likely to be diagnosed and 14% more likely to die of cancer than the general U.S. population\*.

**Between 2002-2019, 66% of career firefighters line-of-duty deaths were caused by cancer\*\***, particularly respiratory (lung, mesothelioma), GI (oral, esophageal, large intestine), and kidney cancers.

**In addition to cancer, one third of line of duty deaths in 2020 were related to COVID-19\*\*\*.**

**CrewProtect™ can help to drastically reduce the risk of exposure to major threats that lead to cancer and illness.**

\*Data from the International Association of Fire Fighters (IAFF)

\*\*Research from CDC/National Institute for Occupational Health and Safety (NIOSH)

\*\*\*Data from the U.S. Fire Administration



# CrewProtect™ MULTI-THREAT AIR FILTRATION DESIGNED BY TASK FORCE TIPS & POWERED BY PURASHIELD



Designed for the Fire Service By A Company That's Been Working Tirelessly to Protect Firefighters for Over 50 Years

**CrewProtect™** is a unique, self-contained, and comprehensive air filtration system for enclosed apparatus cabs and ambulances that helps protect first responders from the multiple threats they face each day on the job. Unlike competitive products that address only one or two threats, **CrewProtect™** attacks all three significant problems for firefighters, including VOCs, particulates, and aerosols carrying viruses (including SARS-CoV-2, the virus that causes COVID-19).

Task Force Tips has partnered with Purafil, a member of the Filtration Group Corp., one of the largest and most-trusted air filtration companies in the world. We've integrated proven, patented filtration technology that helps to protect first responders from multiple harmful and carcinogenic airborne contaminants within three minutes of closing the cab doors.



# COMPACT, RUGGED, AND DESIGNED TO WITHSTAND CAB TRAFFIC, & HELP YOUR CREW BREATHE A LOT SAFER

## CrewProtect™

### MULTI-THREAT AIR FILTRATION

#### Created to Increase Firefighter Health & Safety

**CrewProtect™** filters the air in the average cab every 3.5 minutes, removing two of the greatest contributors to firefighter cancer, particulates and VOCs, exceeding the air exchange rates of clean rooms and operating rooms in hospitals. It also removes aerosols carrying viruses and bacteria.

#### Compact, Quiet, & Automatic

**CrewProtect™** can be installed horizontally or vertically in any interior cab location, connects directly to 12 volt or 24 volt systems, and automatically runs when the truck is operating. It also operates at 100 CFM and only 60.2 decibels, well below the NFPA maximum of 90 decibels.

#### Fitted with Easy-to-Change, Long Life Filters

**CrewProtect™** includes long-life filtration technology which is easy to install and will visually alert you when the filter needs to be replaced. The filter is designed to completely neutralize harmful chemical contaminants, making it safe to simply discard in the normal trash.

# LET'S CLEAR THE AIR

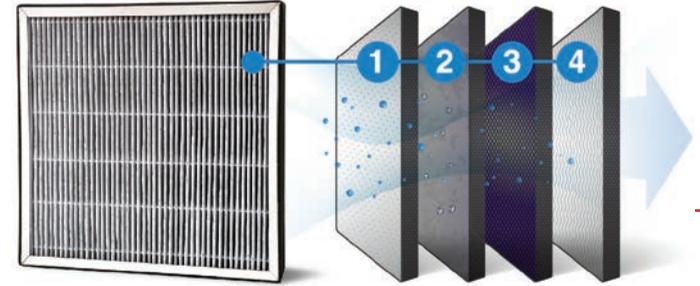
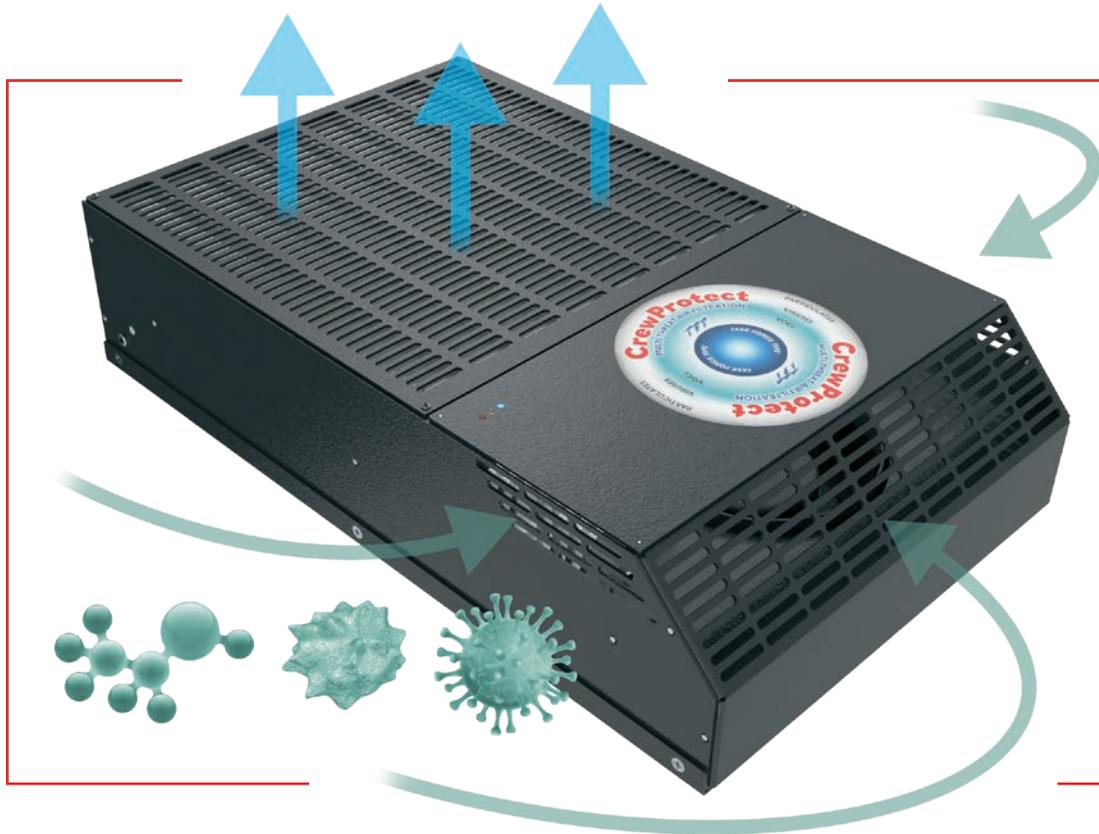
**CrewProtect™**  
MULTI-THREAT AIR FILTRATION

is a plug-and-play solution for new or in-service trucks that easily mounts to the roof, wall, or doghouse and connects to standard truck and ambulance power, drawing only 2 amps.



Want to dig deeper into how CrewProtect™ works and how it can protect your crew? Explore more of the data.

# HERE'S HOW IT WORKS



## 1. Pre-Filter:

Traps dust, pollen, and other large particulate matter.

## 2. PuraWard Fibers:

A high efficiency filter protected by an embedded micro-technology containing an EPA registered antimicrobial additive using copper and silver to combat many bacteria and viruses.\*

## 3. Molecular Filtration:

Patented\*\* molecular filtration media removes aerosols carrying viruses from the air, safely oxidizing the molecules, while removing toxic and harmful gases.

## 4. HEPA Filter:

Captures PM<sub>0.3</sub>, PM<sub>2.5</sub>, allergens, bacteria, viruses, and other particulates.

\*Filter protected by an EPA-registered antimicrobial additive.

\*\*Patent number US 9,370,763 B2

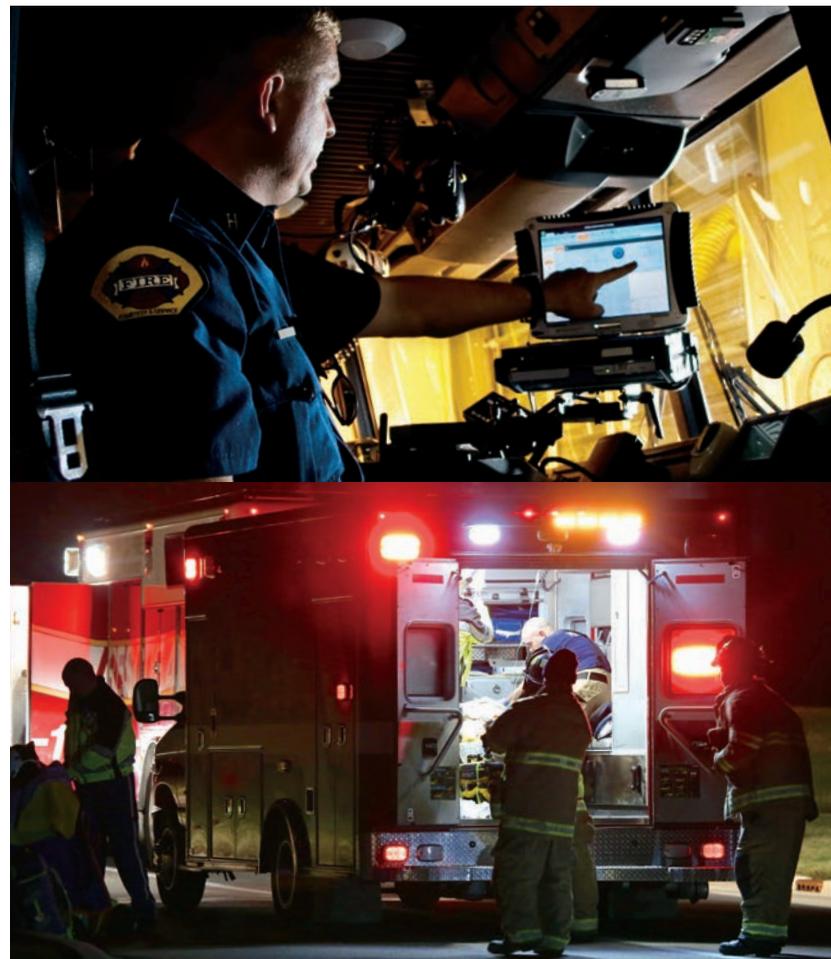
# PREVENTION THAT'S WORTH YOUR ATTENTION

Created by firefighters for firefighters, **CrewProtect™** is a proven multi-threat air filtration solution that removes harmful contaminants like VOCs, particulate matter, as well as aerosols carrying viruses. TFT has partnered with Purafil to ensure that **CrewProtect™** users are getting industry best protection, with products made in the US. Purafil technologies are trusted worldwide, protecting even the most sensitive environments. — Hospital operating rooms, NASA cleanrooms, the Sistine Chapel, the Smithsonian Institute and many more.

**CrewProtect™** is great for both new and in-service trucks. It offers plug and play installation with deutsch connectors run to standard truck power. The system only draws 2 amps and includes mounting brackets for installation in the roof, wall or doghouse.

Most importantly, **CrewProtect™** is safe. Some competitive products are ineffective at particulate and VOC removal and also have the unintended consequence of adding more harmful elements, such as ozone and formaldehyde during operation.

**CrewProtect™** rapidly cleans the air with no unexpected side effects and the filters are completely safe.



# A BREATH OF SAFER AIR



	PuraShield Filtration Technology in CrewProtect™	MERV13-MERV17 Particulate Filtration	HEPA Grade Filtration	UV Lights	Photocatalytic Oxidation (PCO)	Ionization Technology	Activated Carbon	Chemisorbant Filtration
Removes large particles (dust, allergens, etc.)	✓	✓	✓	✗	✗	✗	✗	✗
Removes 99.97% particles of 0.3µm airborne contaminants	✓	✗	✓	✗	✗	✗	✗	✗
Does not generate hazardous airborne chemicals	✓	✓	✓	✗	✗	✗	✓	✓
Can remove some aerosolized viruses, bacteria, and fungi	✓	✓	✓	✓	✓	✓	✓	✓
Removes broad spectrum of odors, carcinogens, and other vapor phase contaminants	✓	✗	✗	✗	✓	✓	✓	✓
Converts VOCs and other harmful vapors into benign by-products without potentially producing health hazardous species	✓	✗	✗	✗	✗	✗	✗	✓
No potential for desorption/reintroduction of adsorbed contaminants from filtration media	✓	✗	✓	✗	✓	✓	✗	✓
Performance is insensitive to humidity, temperature, and other environmental factors	✓	✓	✓	✗	✗	✗	✗	✓

SEE MORE DATA



# SAVING LIVES HAS ALWAYS BEEN THE GOAL



As part of Madison Industries, our mission is to make the world safer, healthier and more productive. It's not a slogan, it's truly who we are.

Task Force Tips was created by a firefighter to provide products that help other firefighters increase their effectiveness as safely as possible. Now with **CrewProtect™**, we're helping the fire service to be healthier as well.

We can't eliminate all the risks for firefighters, but TFT is passionate about eliminating the major threats to firefighter health in the apparatus cab. Choose a product that safely removes particulates, VOCs and aerosols carrying viruses and bacteria.

For more information, contact your local TFT dealer or go to:

[CREWPROTECT.NET](https://www.crewprotect.net)



# USE YOUR COVID-19 FUNDING TO PROTECT YOUR CREW

You may be able to cover your investment in **CrewProtect™** through FEMA funding for COVID-19 pandemic related expenses.

Eligible applicants may receive funding for costs related to emergency protective measures conducted as a result of the COVID-19 pandemic.

**TASK FORCE TIPS®**

**CrewProtect™**

**MULTI-THREAT AIR FILTRATION**

powered by



**VOCS | PARTICULATES | AEROSOLS CARRYING VIRUSES**

**CREWPROTECT.NET • TFT.COM**