

**NO FILTERS.  
NO BULBS.  
NO COMPROMISES.**

**SENTINEL**  
guarding the air you breathe

**ACTIVELY NEUTRALIZES VOCs,  
PATHOGENS, AND PARTICULATES\*  
IN THE AIR AND HARD SURFACES.**



\*INCLUDING SARS-CoV-2 AND SMOKE



The only technology in the industry with three different successful efficacy tests completed on SARS-COV-2 (COVID-19), proving **IT WORKS.**

## VOCs NEUTRALIZED BY NPBI:

- Xylene (Diesel Combustion)
- Methyl Ethyl Ketone
- Ammonia
- Formaldehyde (Firefighting & Diesel Combustion)
- Benzene (Diesel Combustion)
- Toluene (Diesel Combustion)
- Acreolin (Firefighting and Diesel Combustion)

## PATHOGENS NEUTRALIZED BY NPBI:

- SARS-CoV-2 (COVID-19)
- SARS Human Coronavirus 229E
- E. coli
- MRSA
- Mold
- Legionella

and many more.....

### THE SENTINEL VERSUS OTHER TECHNOLOGIES...

# IT'S ABOUT OUTPERFORMING AND SAVING YOU MONEY LONG-TERM

If you are looking at making your work environment safe by mitigating cancer risk but are concerned about the long-term investment for your department, understanding the **Total Cost of Ownership** by assessing both purchase price and costs of operation is critical.

The Sentinel unit not only outperforms other technologies by actively addressing the three major air quality threats faced by firefighters today...VOCs, pathogens and particulates, but offers a significant savings advantage that continues to grow the longer you own it.

	The Sentinel with NPBI	Air Filtration System	Photohydroinization technology
Unit cost	\$2,200	\$1,850	\$1,763
Consumable Filters/Bulbs Required Annually	0	2	1
Cost per Consumable	\$ -	\$250	\$305
Year 1 Cost of Ownership	\$2,200	\$2,350	\$2,068
Year 5 Cost of Ownership	\$2,200	\$4,350	\$3,288
Year 10 Cost of Ownership	<b>\$2,200</b>	<b>\$6,850</b>	<b>\$4,813</b>
Lifetime savings by owning a Sentinel VS the competition: ▶▶		<b>\$4,650</b> (per unit)	<b>\$2,613</b> (per unit)

# ACTIVELY NEUTRALIZES HARMFUL VOCs, VIRUSES, BACTERIA, AND MOLD

Firefighters and Emergency Response Personnel are continuously exposed to harmful contaminants. Their PPE becomes contaminated and may off-gas VOCs which can result in inhalation exposure. Additionally, the recent outbreak of the novel coronavirus, SARS-CoV-2, has made air and surface cleaning "mission critical" for their working environment, including fire apparatus, ambulances, and law enforcement vehicles.

## UNDERSTANDING NPBI

The Sentinel 300 delivers a cleaner cab by actively reducing harmful contaminants in Emergency Vehicles. Its patented **Needlepoint Bipolar Ionization (NPBI™)** technology uses a precise electric charge to generate ions that neutralize VOCs, viruses, bacteria, and even mold. The Sentinel is designed and safe for continuous operation even while vehicles are occupied.



## NPBI Technology used by...

| WHITE HOUSE | BOSTON CHILDREN'S HOSPITAL |  
| HOUSTON METHODIST HOSPITAL | GOOGLE |



Efficacy testing has shown effective on **SARS-CoV-2 (COVID-19) virus**

**SENTINEL300**  
guarding the air you breathe



### IDEAL FOR:

- Fire Apparatus
- Ambulances

### TECHNICAL SPECIFICATIONS:

**Model:** Sentinel300 CFM Unit

**Input Voltage:** Input 12V or 24V DC

**Input Voltage Draw:** 4A @ 12V or 2A @ 24V DC

**Dimensions:** 11.4" x 8.2" x 3.9" (29 x 20.8 x 9.9 cm)

**Weight:** 8lbs (3.63 kg)

**Sound:** 59dB

**Includes:** Sentinel 300, mounting bracket, cigarette plug power adaptor with 3-Pin Deutsch Plug, constant run or 1-hour timer.

**Air Flow:** 300 CFM

Once installed, the Sentinel actively deactivating pathogens



**SELF-CLEANING**

# SENTINEL2500

guarding the air you breathe



### IDEAL FOR:

- Any room lacking ventilation (Gear Storage Rooms, Locker Rooms, Apparatus & Squad Bay)
  - Post Fire Rehabilitation area
- Anywhere people congregate or assemble
  - Meeting Rooms

### TECHNICAL SPECIFICATIONS:

**Model:** Sentinel2500 CFM Unit  
**Dimensions:** 24.5" x 24" x 14.5" (62.2 x 61 x 36.8 cm)  
**Weight:** 31lbs (14.5 kg)  
**Sound:** 58-72 dB  
**Includes:** Sentinel 2500 unit w/ 110 V AC Power Plug  
**Air Flow:** 2500 CFM

# SENTINEL100

guarding the air you breathe



### IDEAL FOR:

- Automobiles
- Law Enforcement vehicles
- Fire Department support vehicles
- Designed to fit in to a standard size First Responder console.

### TECHNICAL SPECIFICATIONS:

**Model:** Sentinel100 CFM Unit  
**Input Voltage:** Input 12V or 24V DC  
**Input Voltage Draw:** 2.7A  
**Dimensions:** 6" x 8"x 6" (15.2 x 20.3 x 15.2 cm)  
**Weight:** 3.8lbs (3.63 kg)  
**Sound:** 44dB  
**Includes:** Sentinel 100, push button test light, indicating unit is operational, 6 foot cord with 3 Pin Deutsch plug, air box with a Liquid drain, so spills do not enter the units electronics, constant run or 1-hour timer.  
**Air Flow:** 100 CFM

units constantly deliver NPBI generated ions, actively neutralizing VOC's, aerosols, and actively agglomerating fine particulate matter including smoke.

✓ **NO MAINTENANCE**

✓ **NO CONSUMABLE COMPONENTS**