

**NO FILTERS.  
NO BULBS.**

**SENTINEL**  
guarding the air you breathe

**A HEALTHIER WORK ENVIRONMENT  
FOR STATIONS AND FLEET**



**ZERO OZONE EMISSIONS**



NPBI Powered by:  
**GPS**  
www.gpsair.com

**NO FILTERS  
NO BULBS  
NO OZONE**

Day in and day out, firefighters, EMS personnel, and law enforcement officers are exposed to toxic particulates, hazardous chemicals, and contagious pathogens that cause serious health problems.

## A HEALTHIER WORK ENVIRONMENT FOR FIREFIGHTERS AND FIRST RESPONDERS WITH NPBI™

Cutting-edge Needlepoint Bipolar Ionization (NPBI™) technology by GPS Air, Inc. effectively addresses the three types of airborne contaminants using soft ionization. Sentinel Purifiers are designed for continuous operation, delivering a healthier environment in emergency vehicles and other spaces without the need for filters, bulbs, or any consumable. NPBI technology is also UL 2998 certified for Zero Ozone Production.

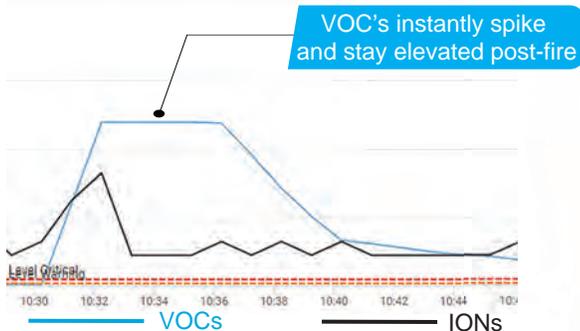
Needlepoint Bipolar Ionization (NPBI) technology has demonstrated proven performance in neutralizing a wide array of pathogens, as evidenced by various efficacy tests. Independent laboratory studies, including those conducted under controlled conditions, have shown significant reductions in the levels of viruses, bacteria, and molds when exposed to NPBI technology. Testing has indicated that NPBI can achieve a notable reduction in the concentration of aerosolized pathogens such as Influenza A and SARS-CoV-2 within a matter of minutes\*.

NPBI technology's effectiveness in VOC reduction is critical in environments where the control of air quality is essential, not only for comfort but for health reasons. This is especially true in the context of emergency vehicles and stations where first responders spend a considerable amount of time. The ability to mitigate the risks associated with airborne contaminants such as VOCs provides a safer work environment and contributes to the well-being of those who serve the community.



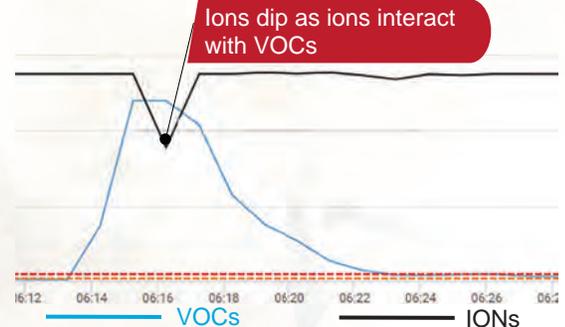
\*GPS Air efficacy test data

### BEFORE INSTALLATION



Average Reduction of VOCs  
**65%**

### AFTER INSTALLATION



Data collected with



## Vehicle NPBI Delivery Systems

## Station NPBI Delivery Systems



**SENTINEL**slim  
the sentinel purifier.com | guarding the air you breathe



**SENTINEL**300  
guarding the air you breathe



**SENTINEL**2500  
guarding the air you breathe



**SENTINEL**700  
guarding the air you breathe

**MODEL:** SentinelSlim

**INPUT VOLTAGE DRAW:**

12V DC @ 1.25A

**DIMENSIONS:**

7" x 6" x 3"  
(15.2x20.3x15.2cm)

**WEIGHT:** 2.2 lbs. (1 kg)

**SOUND:** 44 dB

**AIR FLOW:** 100 CFM

**EPA Establishment Number:**

102911-WI-1

**INCLUDES:**

Sentinel Slim, our smallest profile unit. 5 foot wiring cord, air box with a Liquid drain for spill protection, constant run with 1-hour timer. Custom Console mounting plates available.

**Mounted solution optimal for:**

- Chief buggies
- Patrol cars
- Utility vehicles

**MODEL:** Sentinel300

**INPUT VOLTAGE DRAW:**

12V or 24V DC

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:** 45dB

**AIR FLOW:** 300 CFM

**EPA Establishment Number:**

102911-WI-1

**INCLUDES:**

Purification unit, mounting bracket, cigarette plug power adaptor with 3-Pin Deutsch Plug, constant run or 1-hour timer.

**Mounted solution optimal for:**

- Apparatus
- Ambulances
- Law enforcement vehicles

**MODEL:** Sentinel2500

**DIMENSIONS:**

11.4" x 8.2" x 3.9"  
(29 x 20.8 x 9.9 cm)

**WEIGHT:** 31lbs (14.5 kg)

**SOUND:** 58-72 dB

**AIR FLOW:** 2500 CFM

**EPA Establishment Number:**

102911-WI-1

**INCLUDES:**

Sentinel 2500 unit w/  
110 V AC Power Plug

**Portable solution optimal for:**

- Gear storage rooms
- SCBA repair areas
- Firehouse bays
- Rehab areas
- Field hospitals

**MODEL:** Sentinel700

**POWER:** 1.5 - 3 amps (115v, 60 Hz)

**FILTERS:** 2-in. MERV 8 Pre-Filter  
and Primary HEPA Filter

**WEIGHT:** 42 lbs. (119 kg)

**DIMENSIONS:**

23 x 17 x 26 in.  
(57.9 x 43.3 x 65.9 cm)

**STATIC PRESSURE:**

3.0 in. 17.6 cm (H20)

**SOUND LEVEL:**

Low: 53 dB; High: 67 dB

**DUCT SIZE:** 14 in. | 35.6 cm

25 ft. | 7.6 m

**AIR FLOW:** 700 CFM

**EPA Establishment Number:**

102911-WI-1

**INCLUDES:**

Filters out dust, mold, odors and fumes with pre-filter, optional carbon and true HEPA filter media - passes DOP tests with no additional filters.

**Portable solution optimal for:**

- Fire stations lacking an HVAC system with filtration

**SENTINEL**tile



**Ceiling-mounted solution optimal for:**

- Conference rooms
- Sleeping quarters
- Common Areas
- Any open plan space

### CEILING-MOUNTED ION DISTRIBUTION FAN

**MODEL:** Sentinel Tile

**AIR FLOW:** 270 CFM Max

**POWER:** 120-240 VAC

**AVG. ION DENSITY:** >20,000 ions/cc\*\*

**COVERAGE (ft<sup>2</sup>) (9' ceiling):** 1,500 ft<sup>2</sup>

**WEIGHT:** 11.5 lbs

**DIMENSIONS:** 23.75" L x 23.75" W x 7.1" H

**SOUND LEVEL:** 34/37/38 dB(A)\*\*\*

**ELECTRIC APPROVALS:** UL, cUL.

**CERTIFICATIONS:** UL867, UL2998, CARB Pending

A low profile, quiet operation ceiling tile fan with GPS Air's NPBI™ soft ionization technology directly integrated. Designed to be fitted into drop/suspended ceilings using a standard 24" x 24" footprint and utilizes a high efficiency brushless fan motor. The revolving diffuser ensures an even introduction of ions. Easy to install and ideally suited to spaces such as Fire Stations, Bunk Rooms, Day Rooms, Common areas, conference rooms, classrooms, and open plan offices.

\*\* As tested by GPS Air in simulated office environment. Actual ion densities may vary with conditions.  
\*\*\* Measured at 2m.



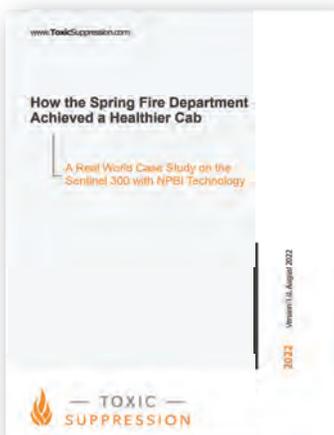
## AIR PURIFIER PERFORMANCE VALIDATION



### Real-Time Air Quality Monitoring and Alerting

- Email and Text Alerts
- Data Exports
- Specialty Sensors Available
- Mold Growth Indicator
- Ventilation Performance Index

Tower 70						Now
76.4 °F	86.7 %	443 ppm	859 ppb	4.00 pcs/L	102804 Ions/CC	98.0 %
Temperature - T70	Humidity - T70	Carbon Dioxide (CO <sub>2</sub> ) - T70	VOCs - T70	PM1.0 Number Conc - T70	Ions - T70	VPI - T70
Good	Too Humid	Good	Poor	Good	Good	Good



DOWNLOAD CASE STUDY

We Support and are Endorsed by:



[www.TOXICSUPPRESSION.com](http://www.TOXICSUPPRESSION.com)



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