

# Proactive Air and Surface Purification System

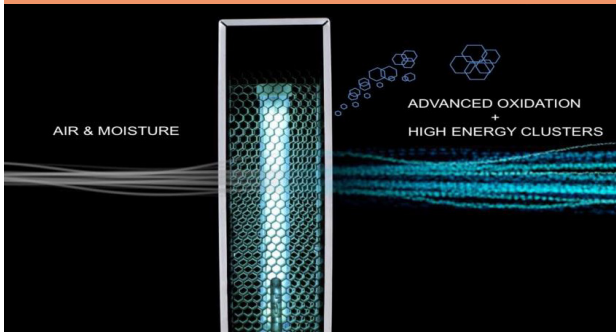
INFORMATION SHEET

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## Deactivates SARS-CoV-2 virus by sanitizing the AIR AND SURFACE without leaving any harmful residues!

Results from a study done by the University of Florida using the SARS-CoV-2 virus (which causes COVID-19) show after continuous exposure to this technology the virus becomes inactive.



Fully contained unit replicates nature's eco-friendly purification process indoors by converting Air & Humidity into High Energy Clusters (HEC) and Advanced Bi-Polar Ion Oxidizers. Air is passed across proprietary UVX light and 6 metal honeycomb matrix, which is amplified by enhanced specular reflection, delivering unmatched pathogen elimination in the air and on surfaces.

## Continuous disinfection from this unit promotes ridership confidence No down time or additional cleaning during service

### FEATURES

- Effective on viruses, bacteria, mold, fungus, VOCs, mildew & odors
- Easy to install and maintain, can be placed in various locations on the vehicle - uses 12V DC power
- Buy America Compliant
- Easy filter replacement every three months, cell replacement once every year
- Does not void supplier warranty of HVAC systems
- One Year Warranty

NFI Part No.	Description
6483801	KIT-PURIFIER-AIR/SURFACE
<b>Service Parts</b>	
6483852	CELL-PURIFICATION SYSTEM
6483853	FILTER-PURIFICATION SYSTEM 12-PK
6484812	FAN-PURIFICATION SYSTEM

\*Laboratory, testing, validations, and claims have been made by manufacturer. Documentations can be supplied upon request.  
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## Is it Safe?

**System is certified as safe to use in occupied spaces, validated by leading independent laboratories and health organizations globally.**

Extensively tested and qualified under the rigorous standards of CDC, OSHA, FDA, and the EPA. In fact, successful testing at the University of Florida shows its technology deactivates SARS-CoV-2, the virus that causes COVID-19, as well as deactivating coronavirus 229E.

## How it Works

**Air + Humidity ⇌ HEC + Oxidizers**

This active technology creates High Energy Clusters (HEC) and Advanced Bi-Polar Ion Oxidizers that destroy dangerous pathogens at the cellular level in the air we breathe and on the surfaces we touch. This unit works on its own while the vehicle is in use. Does not require additional downtime or disinfecting labor during service.

## Air and Surface!

**The system continuously purifies Air AND Surfaces.**

Air flows in to the unit creating HEC and Oxidizers that leave the system and attack pathogens in the air and on surfaces.

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## The Details:

- Disinfects without down time or additional cleaning during service; once it has been installed and the vehicle is running, it continuously disinfects while the vehicle is on the road
- Continuously disinfects air AND surfaces including hard to reach places while the vehicle is in service
- Effective on viruses, bacteria, mold, fungus, VOCs, mildew & odors
- Proven effective against SARS-CoV-2 (which causes COVID-19) & Coronavirus 229E by University of Florida, Department of Medicine
- Coverage range is up to 30,000 cubic feet (60' transit bus is approx. ~4,000ft<sup>3</sup>)
- Extensively tested using the standards of FDA, CDC, EPA, OSHA, KSU, UoF, NSF
- Safe to run with passengers onboard the vehicle
- Unit is visible to riders, building confidence regarding their safety
- Does not leave harmful residue
- Easy to install and maintain, can be placed in various locations on the vehicle
- Technology is contained within unit
- Does not void supplier warranty of HVAC systems
- Does not impact other vehicle systems
- Buy America Compliant
- Easy filter replacement every three months, cell replacement every 12-18 months depending on your fleet's actual operational duty cycle
- One Year Warranty

## The Research: The Most Validated Purifier on the Market

Researchers at the University of Florida, Department of Medicine found that the proactive air and surface purification technology inactivates 73.33% of infectious high levels of SARS-CoV-2 on stainless steel surfaces within only 15 minutes of exposure to the technology, 93.3% after 60 minutes, 97.7% after 4 hours, and undetectable with 24 hours of exposure.\*

Results from the University of Florida study are consistent with those of an independent study done by Central Michigan University and Insight Research Institute which tested the effectiveness of the technology using cell cultures of coronavirus 229E and dengue, both used as surrogate viruses for SARS-CoV-2. This study concluded that there were morphological changes that had realigned the monolayer of A549 cells, seen in coronavirus 229E after exposure to this technology.

It is unique from other disinfection technologies (chemical cleaning, UV light, vaporized hydrogen peroxide) because it is used continuously. There are no downtime periods, chemical handling procedures, harmful residues, room clearance protocols, manpower requirements or adverse side effects. Using ambient air, the technology creates non thermal plasma that reduces pathogens safely while people are in the vehicle. It is the most validated purifier on the market. In addition to SARS-CoV-2, this technology has also been shown to be effective against many other pathogens including H1N1, E. coli, MRSA, Listeria, c difficile, staph, etc.

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