



ACTIVEPURE[®] PRESENTATION

VOLLARA MEETING

FEBRUARY 21-22, 2020

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OUR HISTORY

COMPANY HISTORY



1924

Electrolux, USA
Established.



1954

Production of the
Model 30 ends
14 million units
sold. The Model 30
recognized in the
Smithsonian as a top
100 U.S. product.



1970

Our current factory
is opened in Bristol,
Virginia. 500,000
square feet.



1998

Electrolux, USA is
purchased from Sara
Lee by Joe Urso and
his Team.



2000

Electrolux is re-brand-
ed as Aerus, a healthy
home company.
Name rights partially
sold to AB Electrolux,
Sweden.

OUR HISTORY

COMPANY HISTORY



2001

Air purification products introduced.



2009

NASA Certified Space air and surface purification technology introduced.

Acquisition of EcoQuest assets.



2011

EcoQuest renamed Vollara

**2016
PATENTED
TECHNOLOGY**

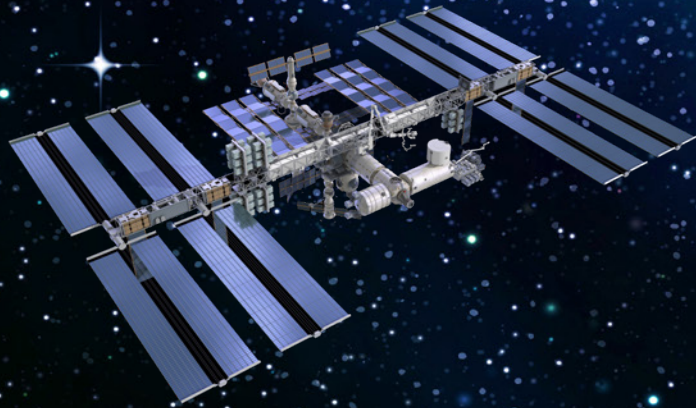
2016

Aerus files for and receives patent protection for its ActivePure® Technologies



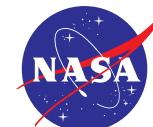
2017

Aerus' ActivePure Technology inducted into the Prestigious Space Technology Hall of Fame: one of only 75 technologies to receive such an honor in 30 years.



ActivePure® Technology

Aerus ActivePure® Technology is the **most powerful air and surface** purification technology ever discovered. ActivePure® is also the **only exclusive** air and surface purification technology awarded the prestigious Certified Space Technology seal of approval by the Space Foundation.





ActivePure® Technology

Inducted into the 2017 Space Technology Hall of Fame
by The Space Foundation



Space Technology Hall of Fame

The Space Technology Hall of Fame® increases public awareness of the benefits of space exploration and encourages further innovation by recognizing individuals, organizations and companies that effectively adapt and market technologies originally developed for space to improve the quality of life for all humanity. Other prestigious inductees include, The Boeing Company, Canadian Space Agency, US Army Institute of Surgical Research, NASA Kennedy Space Center.

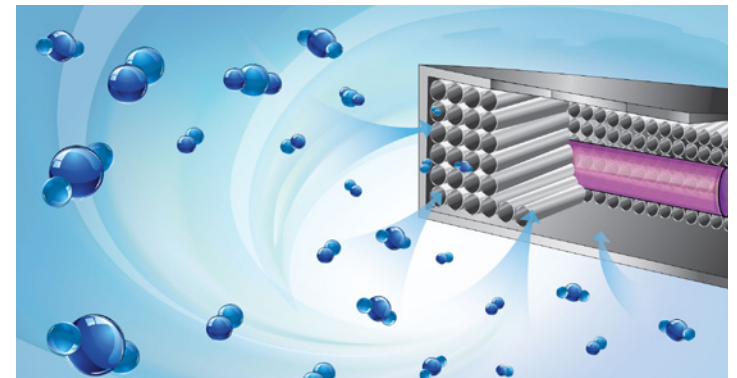


Oxygen and humidity are converted into oxidizers using a process similar to what occurs in natural sunlight. These oxidizers are projected from the cell, enveloping the air and surrounding surfaces to seek out and destroy contaminants.

How does ActivePure® Technology work?

1. Uses oxygen and humidity from the air
2. Converts into powerful oxidizers
3. Destroys microorganisms in the air and on surfaces
4. Kills pathogens on contact
5. Safe for astronauts - Safe for everyone

ActivePure®
Honeycomb
Matrix



ACTIVEPURE® DELIVERS CLEAN SURFACES

The Ground Zero Museum in New York City was treated with ActivePure purification systems. Curator Gary Suson said, “**when our staff came in the day after, they could tell immediately that the air was cleaner.**”

Today, ActivePure can be found treating other indoor environments including the **Liberty Bell**, hospitals, doctors’ offices, professional sports facilities, nursing homes, hotels, schools, businesses, and countless homes around the world.





SCIENCE & PROOF

ACTIVEPURE® TECHNOLOGY TESTING – Complying with FDA Protocols in a FDA Certified Compliant Laboratory

Net Log Reduction Of MS2 Bacteriophage Virus Bioaerosol

RNA Virus

> OVER 99.9999% REDUCTION OF MS2 BACTERIOPHAGE VIRUS IN ONLY 60 MINUTES!



2017 Space Technology Hall of Fame Inductee

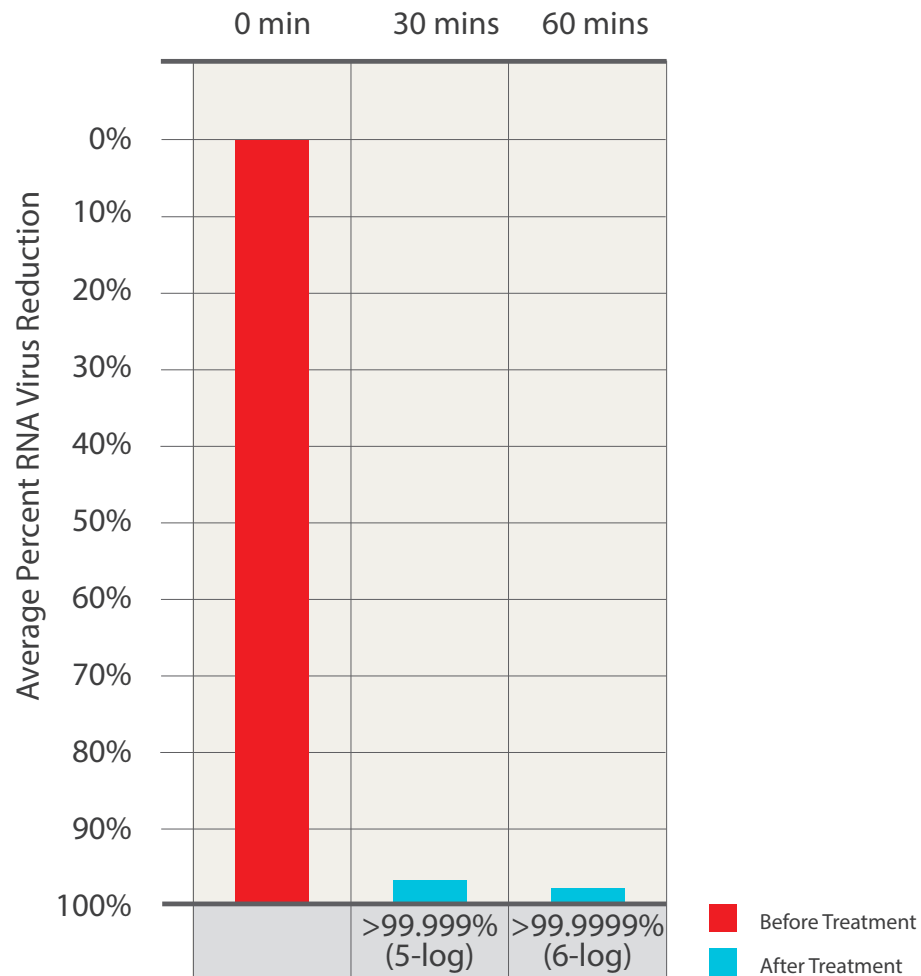


Results based on laboratory testing

Scientific testing has demonstrated the use of ActivePure® Technology to substantially reduce airborne and surface contaminants.

Field results may vary based on environmental conditions. These results have not been certified by the FDA.

Reduction of Airborne Contaminants MS2 bacteriophage RNA Virus



ACTIVEPURE® TECHNOLOGY TESTING – Complying with FDA Protocols in a FDA Certified Compliant Laboratory

Net Log Reduction Phi-X147 Of Bacteriophage Virus Bioaerosol

DNA Virus

**> OVER 99.995% REDUCTION
OF PHI-X147 BACTERIOPHAGE VIRUS
IN ONLY 60 MINUTES!**



2017 Space Technology
Hall of Fame Inductee

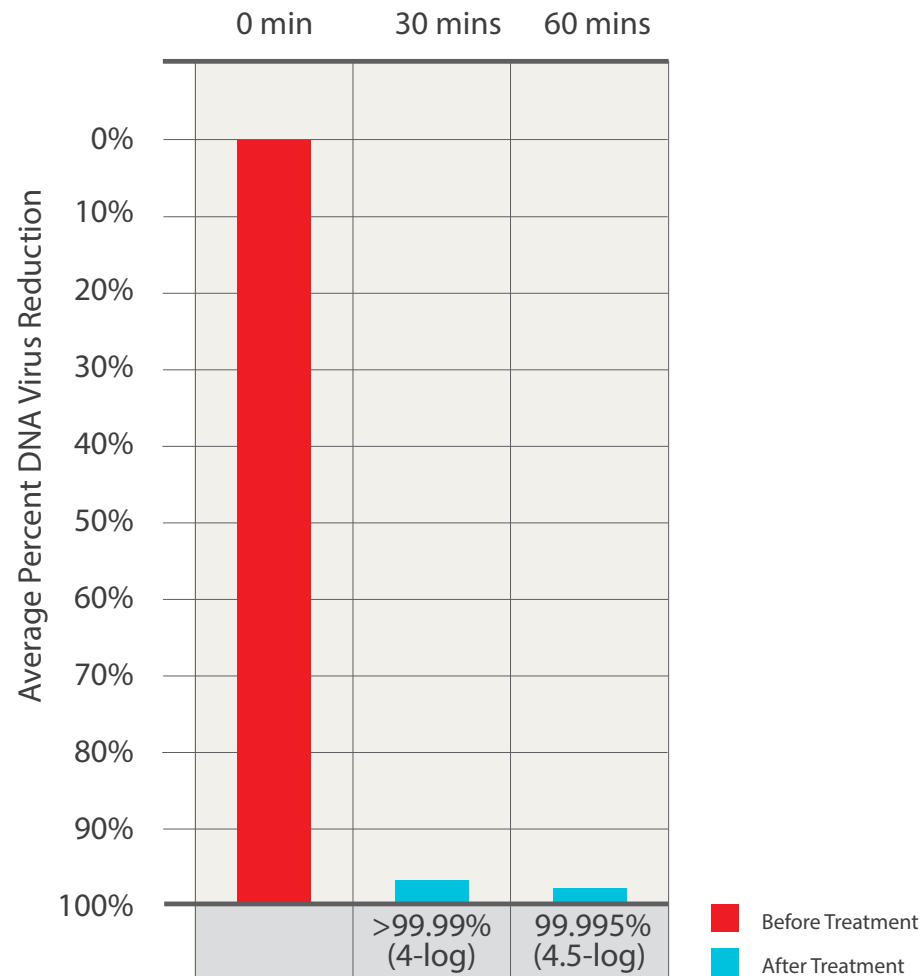


Results based on laboratory testing

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Reduction of Airborne Contaminants Phi-X147 bacteriophage DNA Virus



ACTIVEPURE® TECHNOLOGY TESTING – Complying with FDA Protocols in a FDA Certified Compliant Laboratory

Net Log Reduction Of Staphylococcus Epidermidis Bioaerosol

Gram-positive Bacteria

**> OVER 99.9999% REDUCTION
OF STAPHYLOCOCCUS EPIDERMIDIS
IN ONLY 60 MINUTES!**



2017 Space Technology
Hall of Fame Inductee

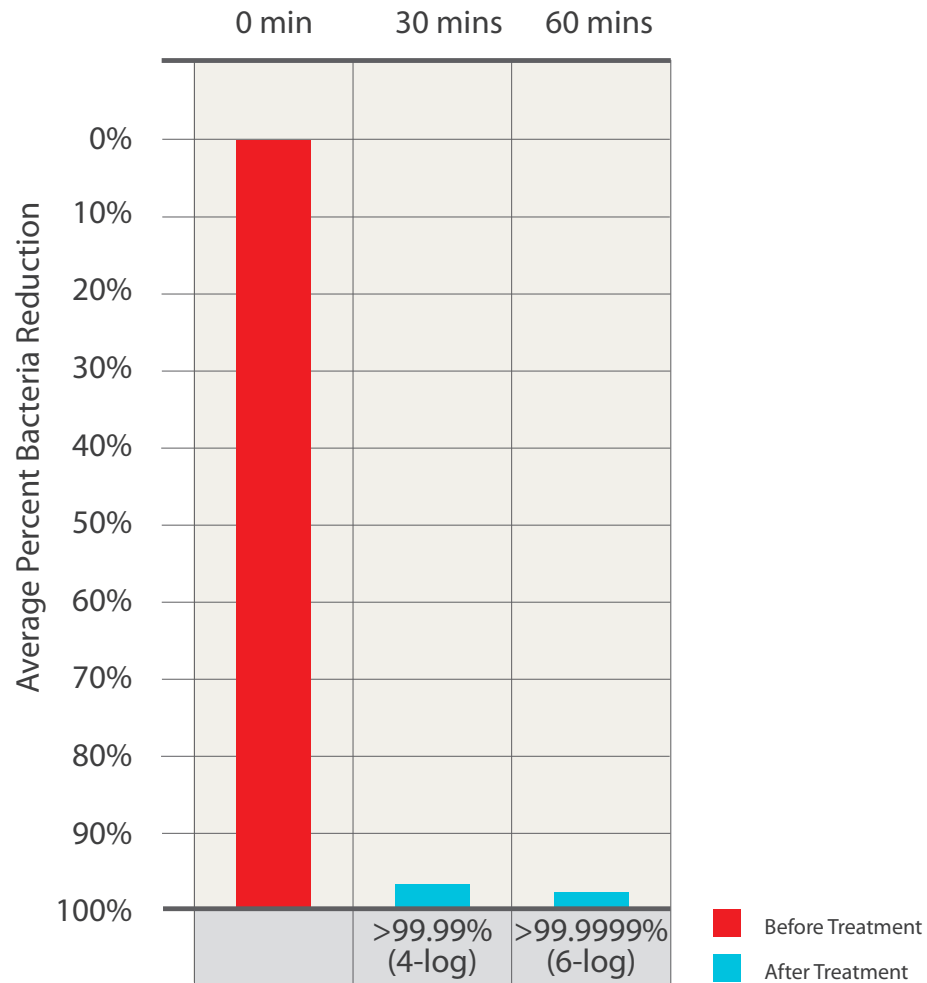


Results based on laboratory testing

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**Reduction of Airborne Contaminants
Staphylococcus epidermidis – Gram-positive Bacteria**



ACTIVEPURE® TECHNOLOGY TESTING – Complying with FDA Protocols in a FDA Certified Compliant Laboratory

Net Log Reduction Erwinia Herbicola Bioaerosol

Gram-negative Bacteria

**> OVER 99.999% REDUCTION
OF ERWINIA HERBICOLA IN
ONLY 60 MINUTES!**



2017 Space Technology
Hall of Fame Inductee

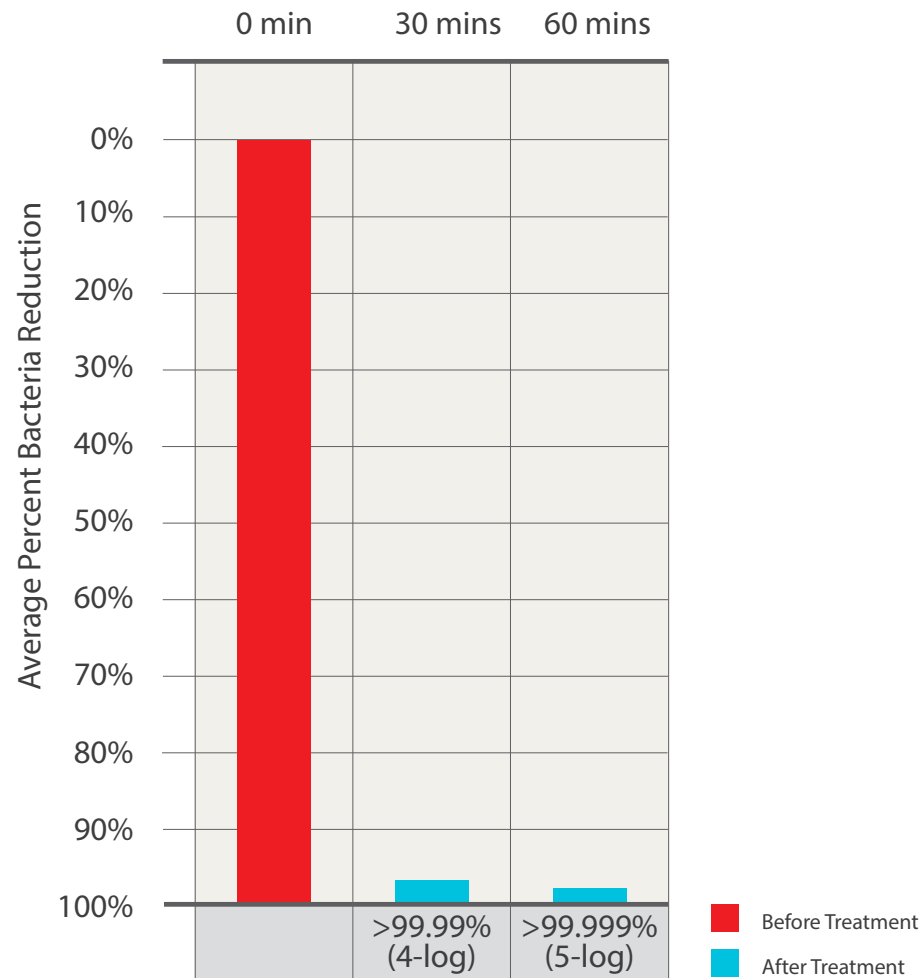


Results based on laboratory testing

Scientific testing has demonstrated the use of ActivePure® Technology to substantially reduce airborne and surface contaminants.

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**Reduction of Airborne Contaminants
Erwinia herbicola – Gram-negative Bacteria**

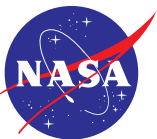


ACTIVEPURE® TECHNOLOGY TESTING – Complying with FDA Protocols in a FDA Certified Compliant Laboratory

Net Log Reduction Of Aspergillus Niger (fungal spores)

Fungal Mold

> **OVER 99.99% REDUCTION
OF ASPERGILLUS NIGER IN ONLY 60
MINUTES!**

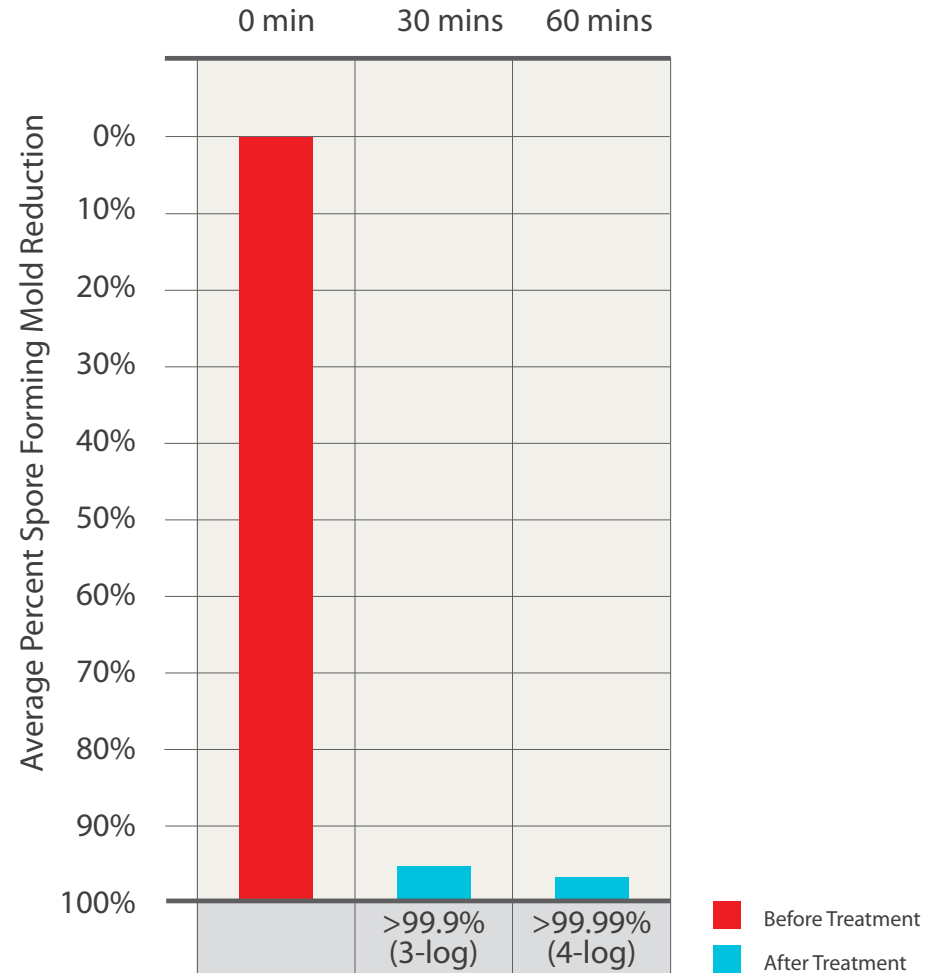


Results based on laboratory testing

Scientific testing has demonstrated the use of ActivePure® Technology to substantially reduce airborne and surface contaminants.

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Reduction of Airborne Contaminants Aspergillus niger

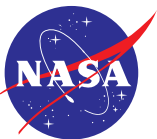


ACTIVEPURE® TECHNOLOGY TESTING – Complying with FDA Protocols in a FDA Certified Compliant Laboratory

Net Log Reduction Of Bacillus Globigii (bacterial spores)

Bacterial Mold

**> OVER 99.99% REDUCTION
OF BACILLUS GLOBIGII IN ONLY
60 MINUTES!**

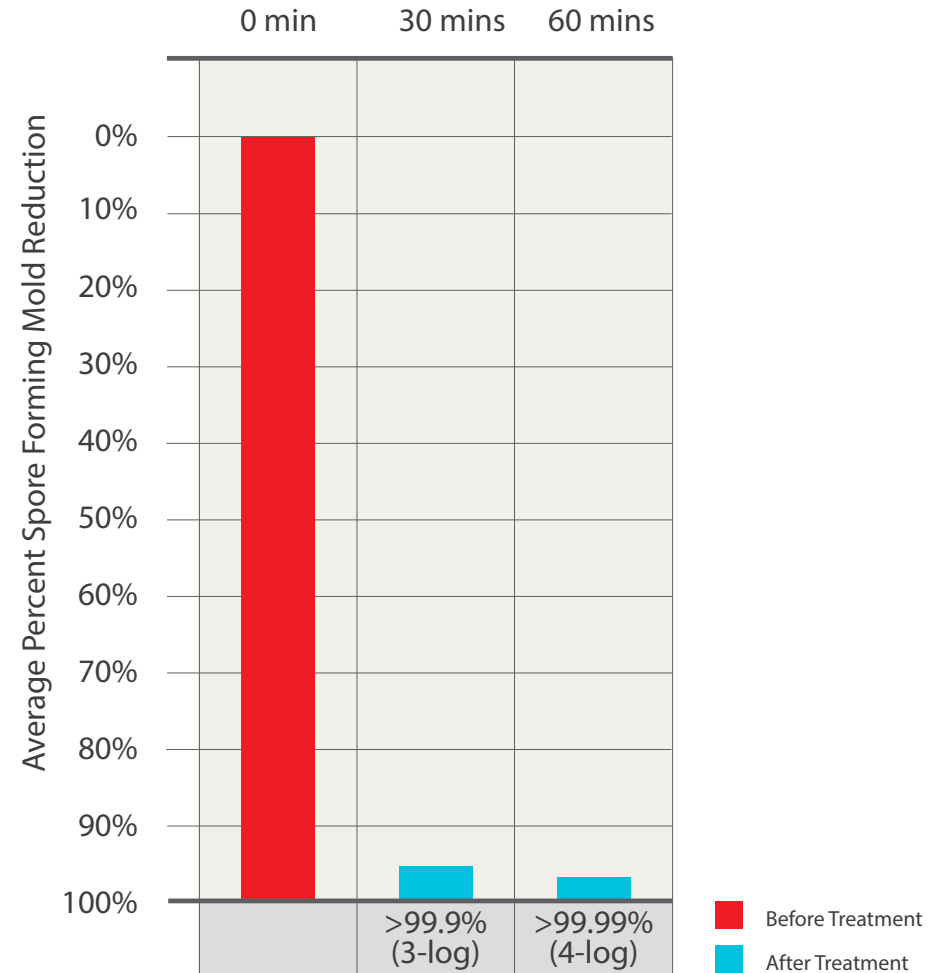


Results based on laboratory testing

Scientific testing has demonstrated the use of ActivePure® Technology to substantially reduce airborne and surface contaminants.

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Reduction of Airborne Contaminants Bacillus globigii



C. DIFF ENDOSPORES OVER 99% REDUCTION

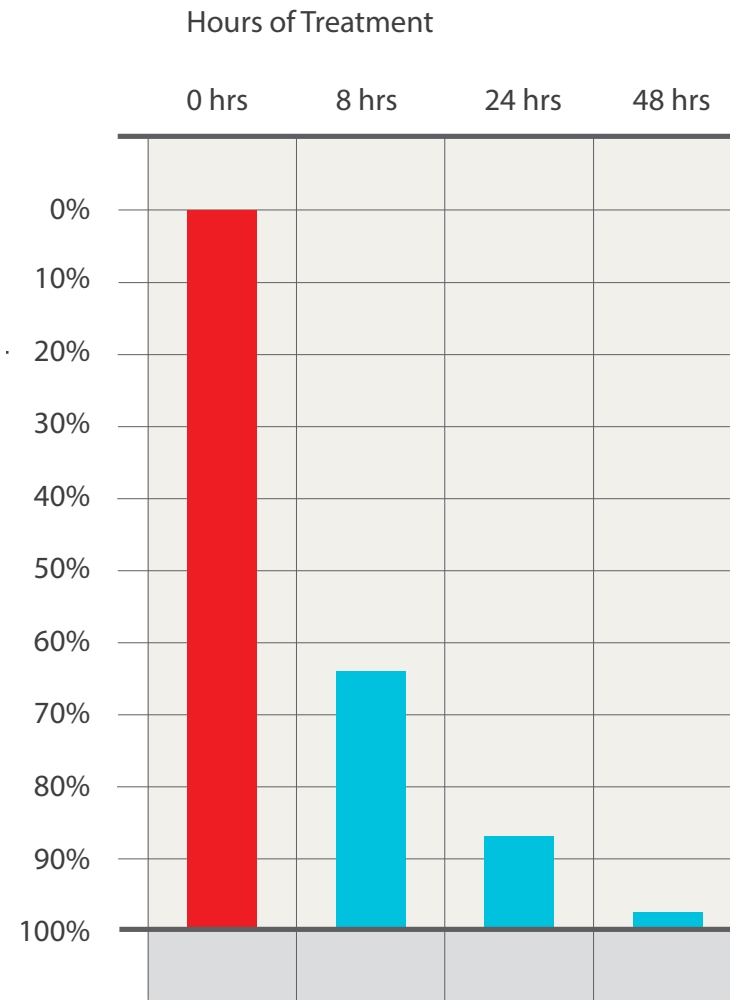
> **OVER 99% REDUCTION**
OF MICROBES IN 48 HRS!

> **65% REDUCTION**
IN JUST 8 HRS!



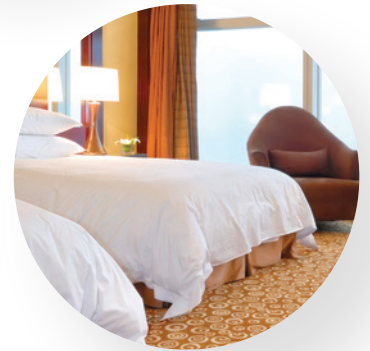
Results based on laboratory testing

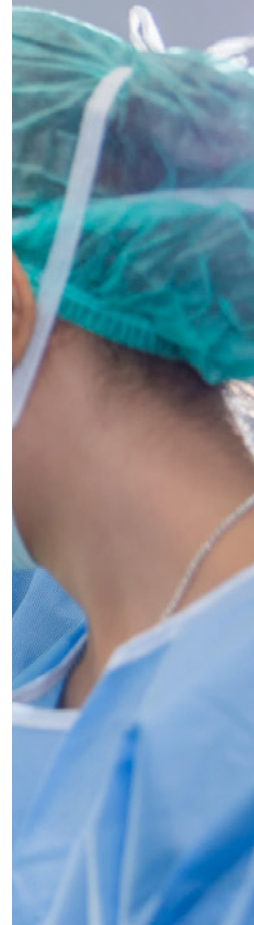
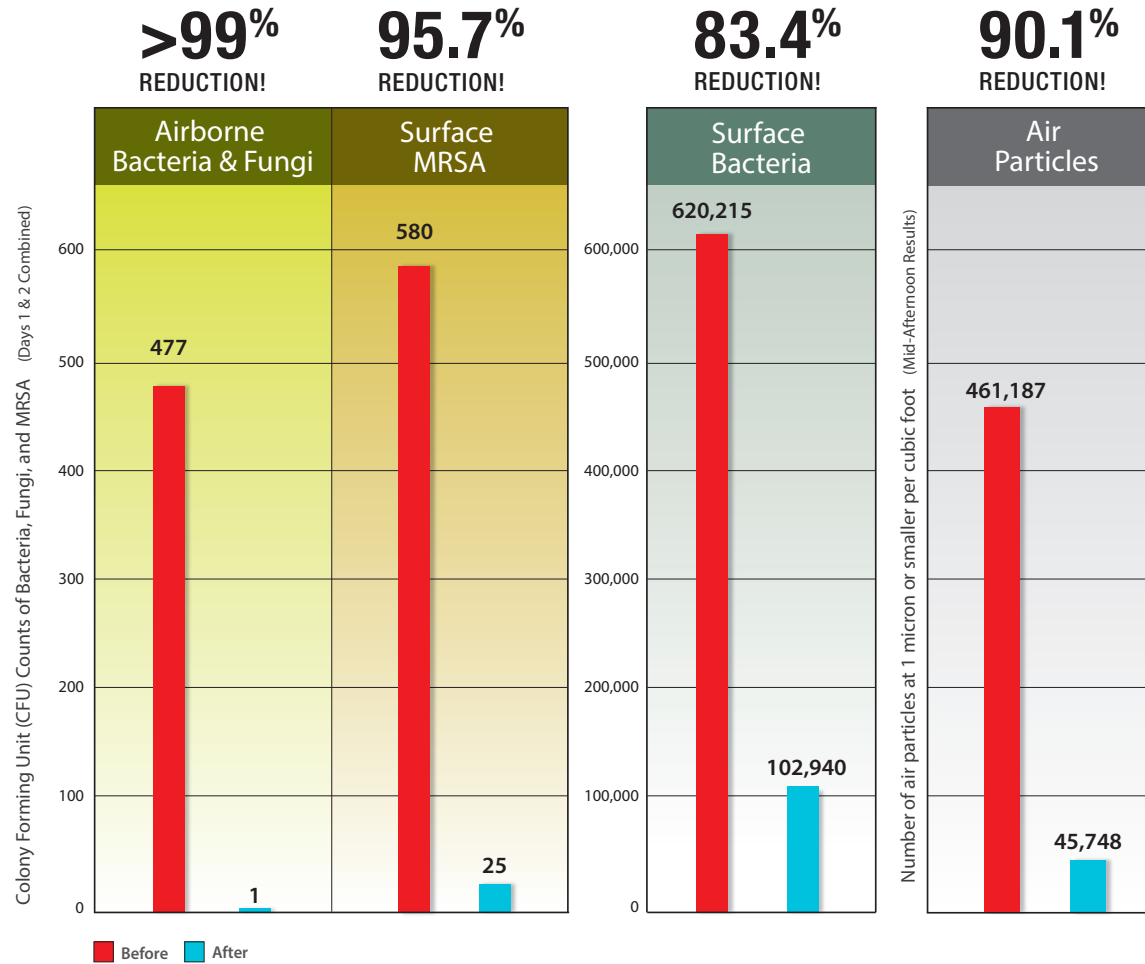
Scientific testing has demonstrated the use of ActivePure® Technology to substantially reduce airborne and surface contaminants. Field results may vary based on environmental conditions. These results have not been evaluated by the FDA.



INSTALLATIONS

- Homes
- Hospitals
- Doctors Offices
- Nursing Homes
- Professional Sports Facilities
- Hotels
- Businesses
- Schools
- Liberty Bell
- Ground Zero Museum





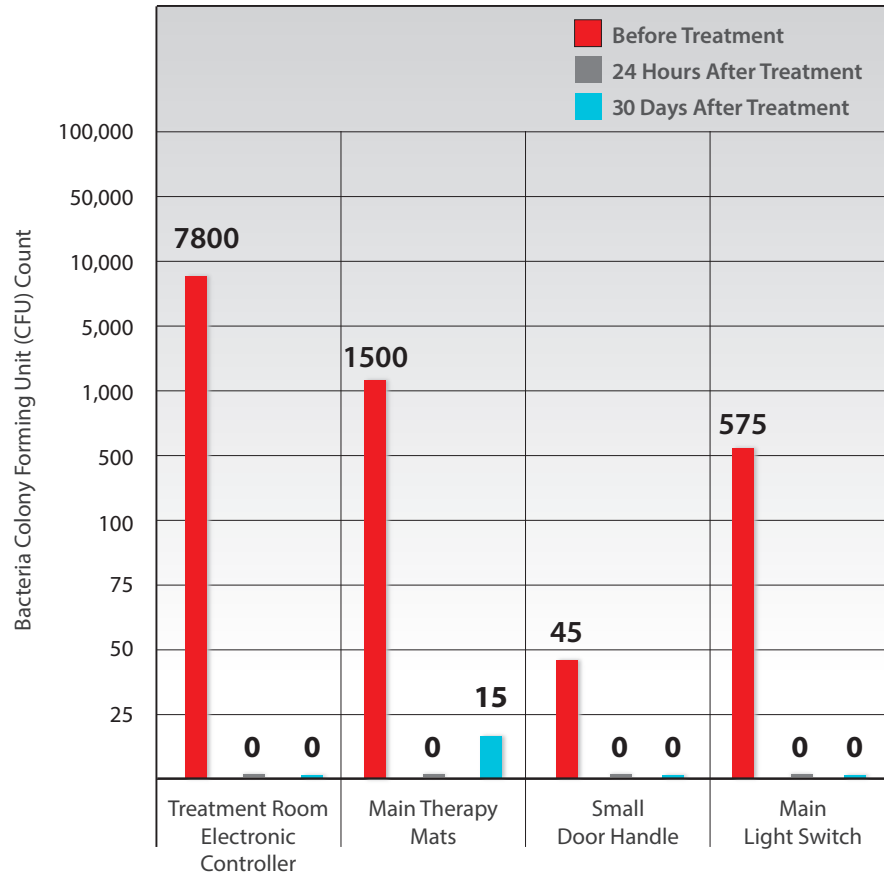
Hospital Operating Room

Before and After Results Using ActivePure Technology





Bacteria Test Results: Pediatric Therapy Office



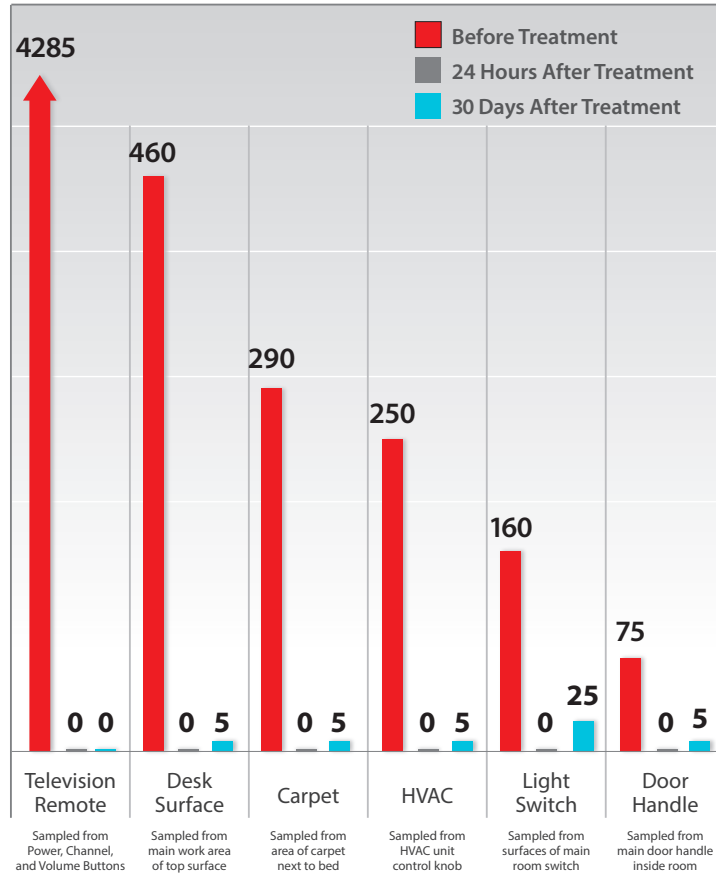
Medical Facilities

Before and After Results

Bacteria

Bacteria Colony Forming Unit (CFU) Count

Combined Results From Three Rooms



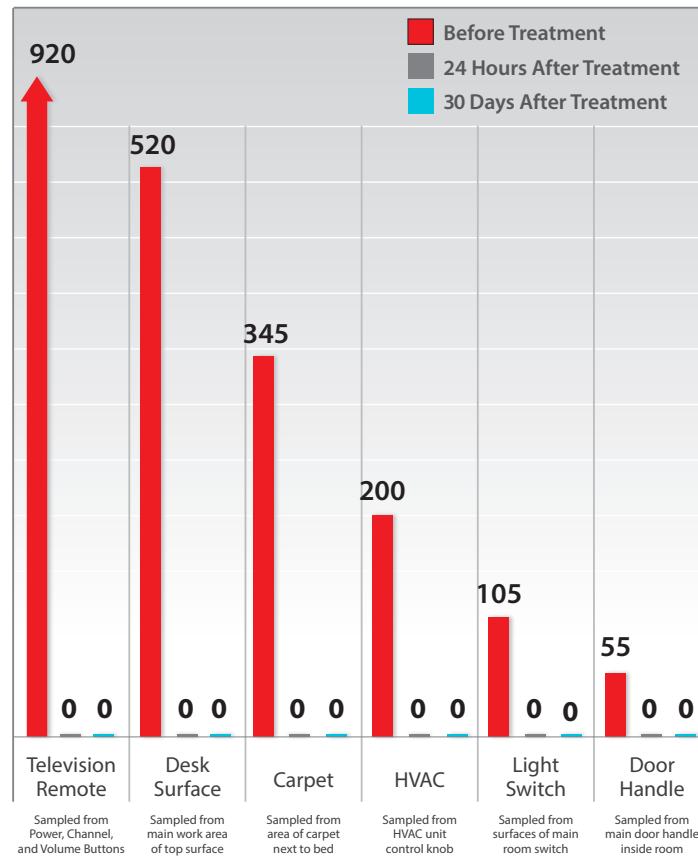
Hotel

Typical Before and After Benefits



Fungi Colony Forming Unit (CFU) Count

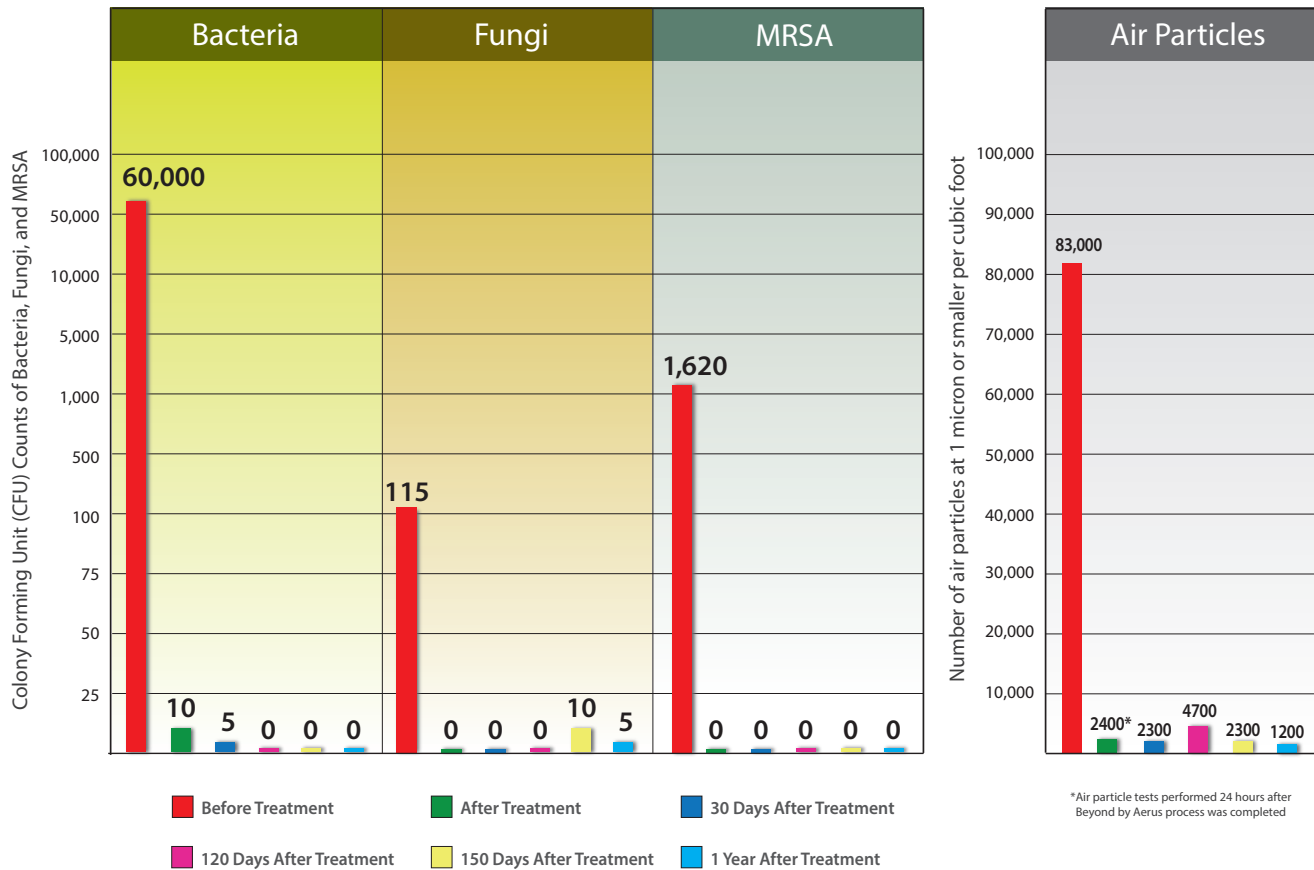
Combined Results From Three Rooms



Hotel

Typical Before and After Benefits

100% ELIMINATION IN MOST CASES!



Major League Baseball

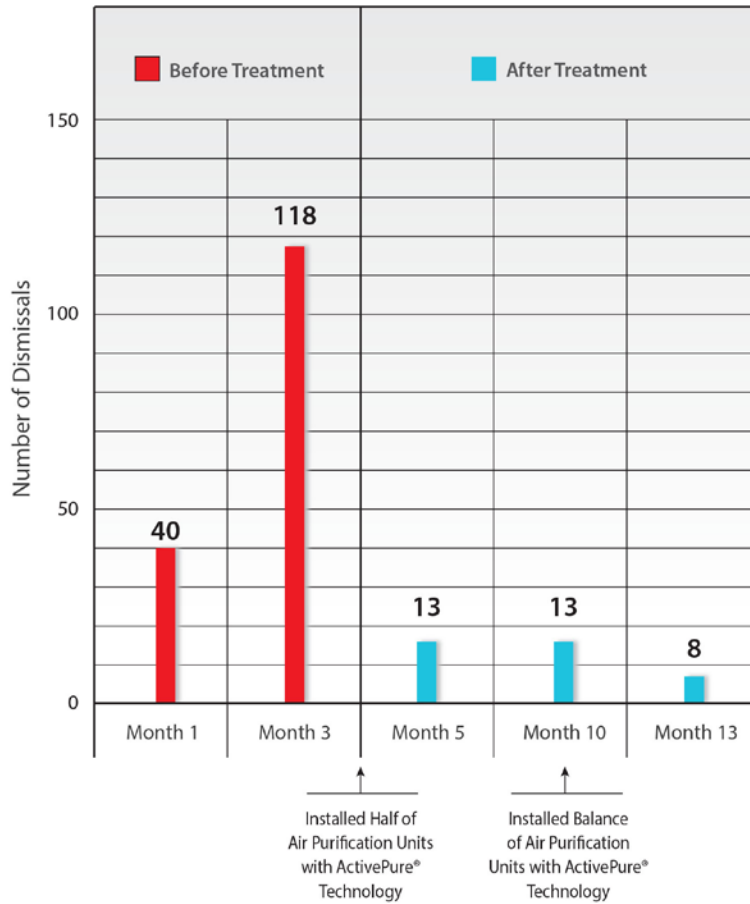
Before and After Results Using ActivePure Technology





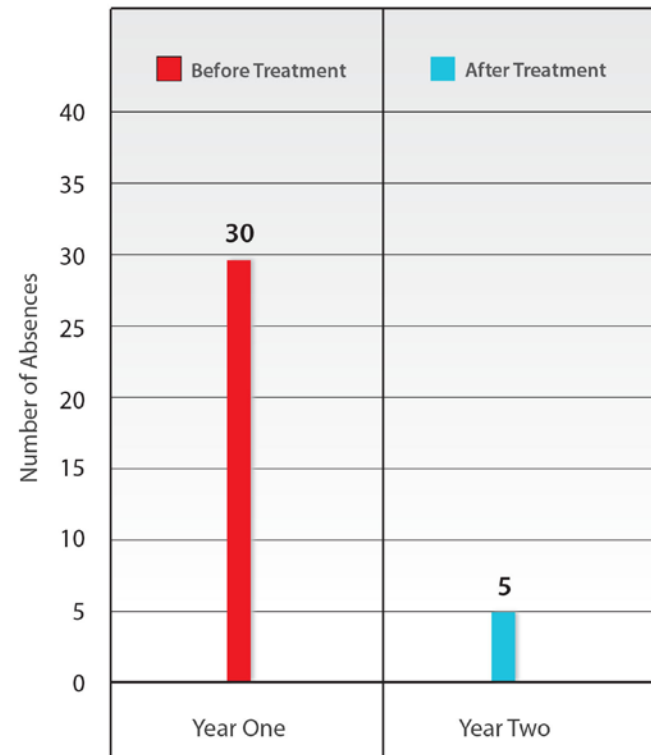
>80% Reduction in Flu Related Dismissals

(ActivePure Technology installed in Indiana school)



>80% Reduction in Preschool Sick Days

(ActivePure Technology installed in Pennsylvania preschool)

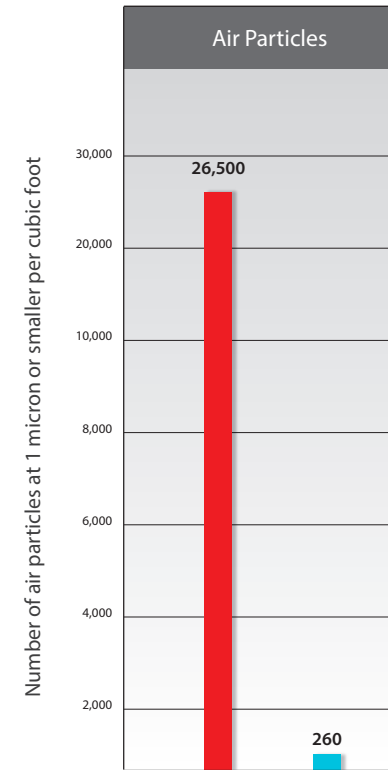
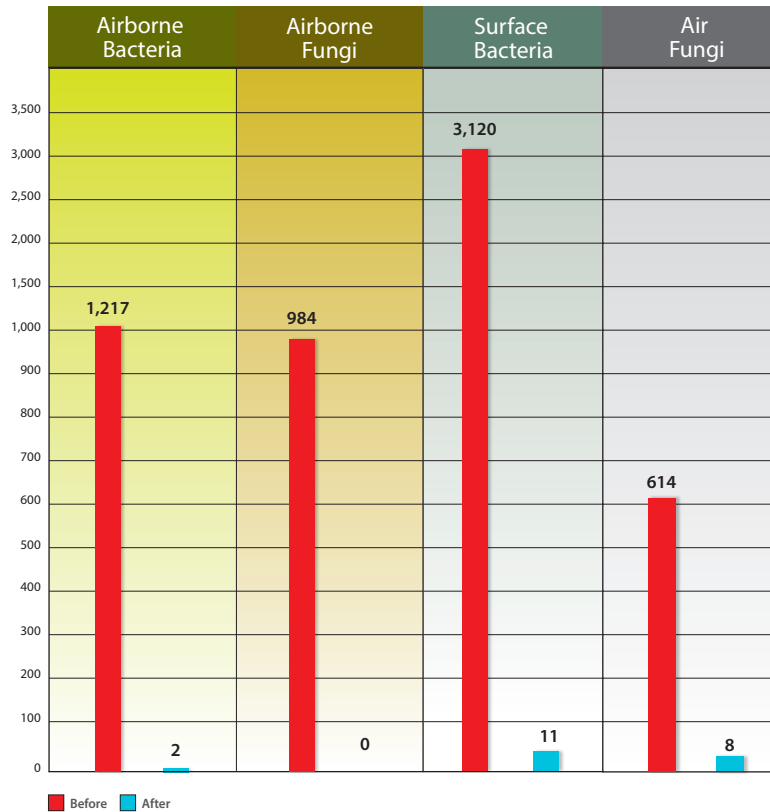


Over 80% Reduction In Flu & Sick Days!

Before and After Results Using ActivePure Technology



GREATER THAN 99% ELIMINATION

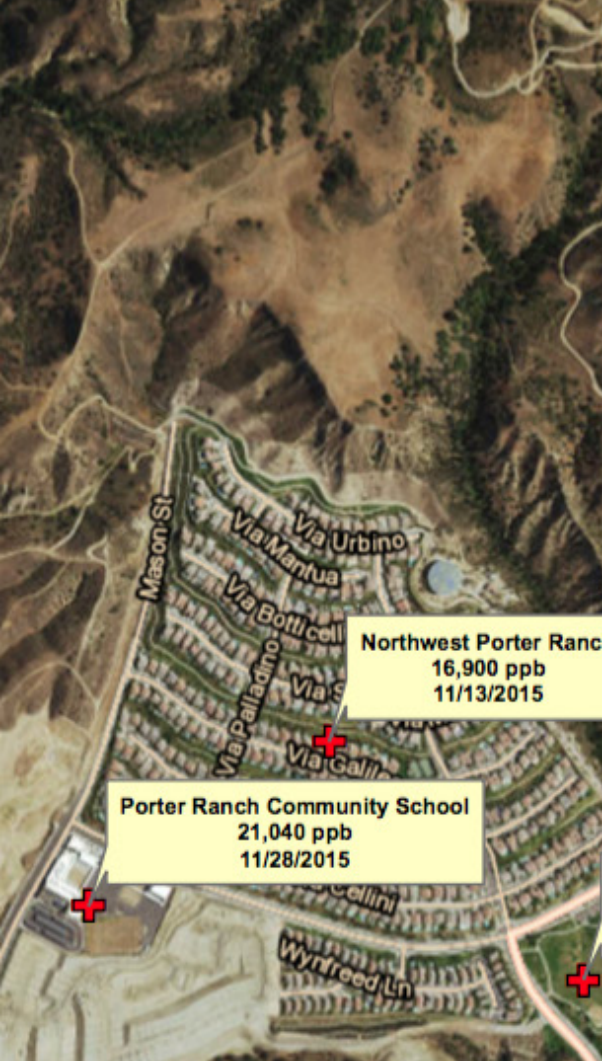


*Air particle tests performed 24 hours after Beyond by Aerus process was completed

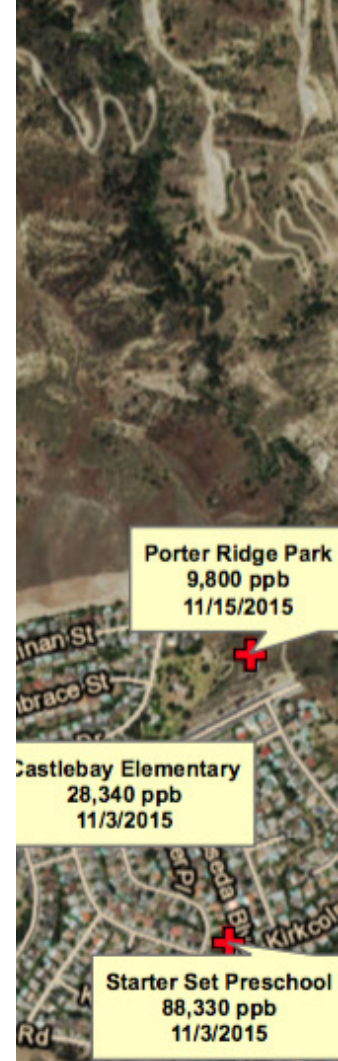
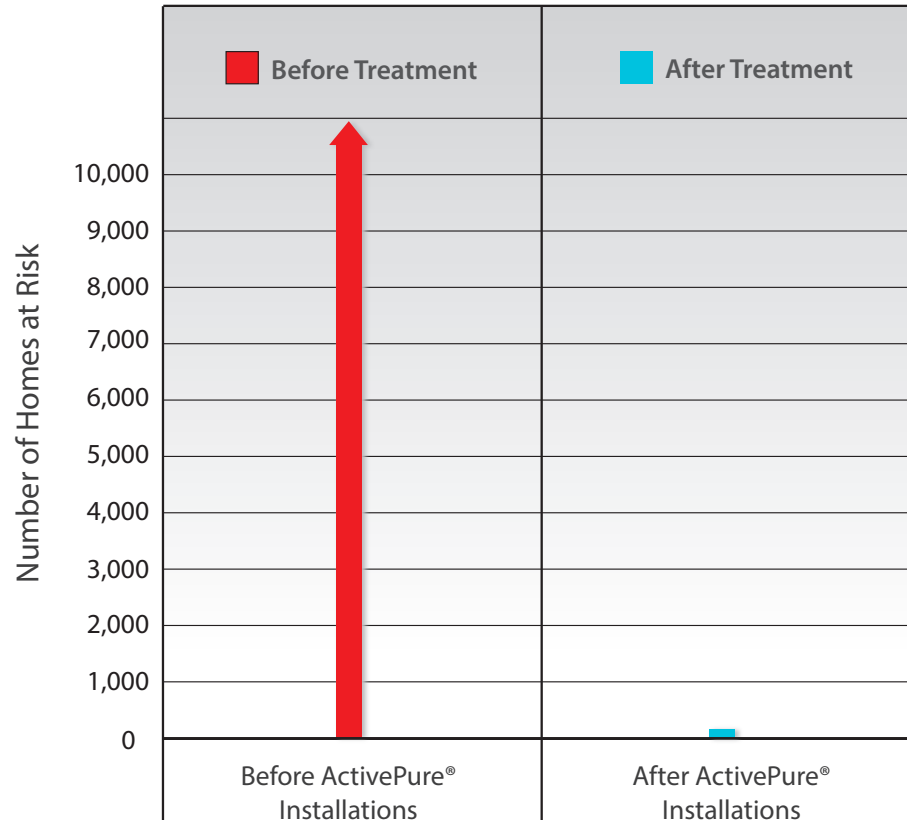
Residential

Before and After Results Using ActivePure Technology





100% Reduction in VOC's (Methane Gas Additive) (ActivePure Technology Installed in homes at Porter Ranch)



100% Reduction In VOC's (Methane Gas Additive)!

Before and After Results With ActivePure® Technology Installations



What Can ActivePure Do For You?



-
- **Destroys illness**-causing bacteria and viruses such as **MRSA**, E. coli, and **C. Diff**
 - **Destroys** mold and fungi
 - **Reduction** in **sick days** and the number of common **cold** and **flu** outbreaks
 - **Removes** Volatile Organic Compounds (**VOC's**)



AIR & SURFACE TECHNOLOGIES

FRESHAIR EVEREST

FreshAir Everest is like 24/7 healthy home insurance. It is the total protection package for whole-home environmental conditioning. FreshAir Everest is always working - sending out an active army of safe and natural ions as well as pollutant-controlling, odor-reducing and oxygen-rich 'scrubbers' to make your home safer and cleaner. The advanced technology contained within the FreshAir Everest serves to make breathing easier and healthier.

Benefits

- Reduces airborne contaminants and allergens that can trigger asthma and allergy symptoms
- Freshens air and removes odors in otherwise stale-prone environments
- Removes dirt and dust from the air to make cleaning easier
- Portable, no installation required
- Provides completely ozone-free technology while giving you the benefits of our exclusive Certified Space Technology™

How it works

- Our proprietary ActivePure® Technology uses light waves and a catalytic process to produce super oxide ions and hydro peroxides that reduce contaminants and particles from the air
- Features a high intensity UVC light that makes use of the same oxidation and ionizing properties of light as naturally occurring sunlight
- Certified Space Technology continuously protects and purifies the environment
- Proven effective in University studies against bacteria, viruses, mold and fungi in the air and on surfaces

Unique Features

- Convenient in-home stand alone unit – no installation necessary!
- Includes a remote control for easy operation
- Multiple mode settings to customize and optimize for a variety of applications
- An optional prefilter is available if your environment is exceptionally dusty
- IntelliAir Technology alerts you when normal maintenance is needed or service is required



Specifications

Electrical	100 ~ 240VAC 50/60 Hz External Power Supply 48 watts, 475 LFM Negative ion generation
Dimensions	12" high x 9" wide x 12" deep
Weight	10.2 pounds
Coverage	Covers a range of 250 sq. ft. (23 m ²) to 3,000 sq. ft. (279 m ²)* <small>* Depends on variables such as severity and frequency of pollution, humidity, and temperature.</small>
Warranty	Three Year Limited Warranty



2017 Space Technology
Hall of Fame Inductee

VOLLARA AIR & SURFACE PRO

Benefits

- Our patented ActivePure® Technology destroys over 99% of all surface and airborne contaminants
- Reduces airborne contaminants and allergens that can trigger asthma and allergy symptoms
- Freshens air and removes odors in otherwise stale-prone environments
- Removes dirt and dust from the air to make cleaning easier
- Portable, no installation required
- Destroys VOCs, smoke and odors

How it works

- Our proprietary ActivePure® Technology uses light waves and a catalytic process to produce super oxide ions and hydro peroxides that destroy contaminants in the air and on surfaces
- Features a high intensity UVC light that makes use of the same oxidation and ionizing properties of light as naturally occurring sunlight
- Certified Space Technology continuously protects and purifies the environment
- Proven effective in independent studies against bacteria, viruses, mold and fungi in the air and on surfaces

Unique Features

- Patent-pending ActivePure® Cell design
- Digital display with blue back-lighting
- Area size setting
- Cleaning reminder
- 5 fan speeds
- Multi-point Bi-polar Ionization – cycle time between positive and negative ions is 20 seconds
- Pre-filter
- HEPA Filter
- Ozone Free



Specifications

Electrical	43 Watts Max; Positive & Negative Ion Generation
Input Voltage	100 ~ 240 VAC; 50/60 Hz external power supply
Nominal Airflow Rate	40-60 CFM Fan, Washable electrostatic lint screen
Dimensions	11.75" H x 9.5" W x 10" D
Weight	7.6 lbs
Operating Temperature	34°F – 100°F
Recommended Treatment Space	500 sq. ft. to 3,000 sq. ft.
Warranty	3 year limited

Meets California ozone emissions limit. CARB Certified.



2017 Space Technology Hall of Fame Inductee

Proudly Designed, Developed & Engineered in the USA

FRESHAIR CUBE

The FreshAir Cube brings the science and safety of nature indoors. Natural, odor-eliminating, pollutant-reducing processes found in sunlight and thunderstorms are recreated in the home. The FreshAir Cube with ActivePure® Technology, Certified Space Technology creates healthier living spaces. That means less money spent on harmful chemical sprays and wipes, and more time to spend with loved ones.

Benefits

- ActivePure® Technology destroys up to 99% of all surface contaminants and airborne contaminants
- Makes breathing easier, cleaner and healthier
- Convenient, portable unit provides the cleanest, freshest air possible within small, low ventilated areas
- Significantly reduces dust, pet dander and odors in the home
- Purifies air and reduces particles that can irritate allergies and asthma
- Protects people from dangerous contaminants and pollutants
- Creates healthy, pure indoor spaces
- Removes VOCs

How it works

- Uses proprietary light waves and a catalytic process to produce scrubber ions that remove dust particles from the air
- Certified Space Technology as used by NASA continuously protects and purifiers the air and attacks contaminants on surfaces

Unique Features

- Uses super oxide ions and hydro peroxides created by ActivePure Technology to remove contaminants
- Negatively charged ions remove microscopic particles from the air that will reduce harmful contaminants and pollutants
- Features a high intensity UVC light that makes use of the same oxidation and ionizing properties of light as naturally occurring sunlight
- 2-hour Away Mode increases the maximum output of activated oxygen for incredible effectiveness in unoccupied areas
- Scalable purifier setting for reduced output of activated oxygen when using the away mode
- 11.4 cm (4.5") bulb



Specifications

Max O ³	100 mg/hr (Away Mode)
Technology	Needlepoint Ionization; ActivePure (RCI) Cell 2-hour Away Mode; 3-speed fan
Power Usage	100 - 240VAC power adapter 21 watts power consumption
Lint Screens & Filters	Electrostatic lint screen
Applications	Homes, offices, apartments, small shops
Coverage	1,500 sq. ft.
Dimensions	6.5 in. wide x 6.5 in. high x 7 in. deep
Weight	3 lbs.
Warranty	One Year Limited Warranty



2017 Space Technology
Hall of Fame Inductee

FRESHAIR MOBILE

The FreshAir Mobile is a sleek, pocket-sized unit that significantly reduces unpleasant odors, contaminants and allergens. It is ideal for providing the cleanest, healthiest air for your car, truck, R.V. or camper, utilizing ActivePure Certified Space Technology which features a high intensity UVC lighting which helps create healthier spaces.

Benefits

- Pocket-sized and lightweight, portable ActivePure Certified Space Technology that goes with you
- Reduces airborne contaminants and allergens that can trigger asthma and allergy symptoms
- Freshens air and removes odors in otherwise stale-prone environments
- Reduces dirt and dust from the air to make cleaning easier
- Multiple settings to customize and optimize for a variety of environments
- Eliminates smoke, pollution and contaminants in the air and on surfaces

How it works

- Uses super oxide ions and hydro peroxides created by ActivePure Technology to remove contaminants
- Negatively charged ions remove particles from the air to reduce harmful contaminants and pollutants
- The FreshAir Mobile also has a high intensity UVC light that makes use of the same oxidation and ionizing properties of light as naturally occurring sunlight
- Certified Space Technology continuously protects and purifies the environment

Unique Features

- Pocket-sized for portability and convenient application
- Touch sensitive settings to provide ease of operation and function
- Includes accessory pack with stand
- Certified Space Technology, as used by NASA on the International Space Station



Specifications

Power	2VDC or 110 - 240 VAC 50/60Hz with adapter
Operating Temperature	45°F - 100°F (7°C - 38°C)
Power Usage	100 - 240VAC power adapter 21 watts power consumption
Fuse	Electrostatic lint screen
Dimensions	3.625" x 6" x 1.0" 9.21cm x 15.25cm x 2.54cm w/o base
Weight	8 ounces (.23kg)
Warranty	One Year Limited Warranty



2017 Space Technology
Hall of Fame Inductee

PET REFRESH

The adorable Pet ReFresh plug-in air purifier is great for smaller rooms up to 50 square feet in size that need targeted air purification, like bathrooms, laundry rooms, near pet beds and around litter boxes or other smelly objects. It creates clean, fresh, healthier air, and has a compact design that plugs directly into your wall outlet, leaving space for use of the second wall plug.

Benefits

- Ion generator reduces airborne contaminants and allergens
- Easily installs in tight spaces
- Freshens air in otherwise odor or stale-prone environments
- Makes breathing easier, cleaner and safe for you and your pets

How it works

- Uses **ActivePure® Technology** proven effective on odor-causing bacteria, mold, and fungi in the air and on surfaces
- Creates negatively charged ions to remove microscopic particles from the air that will reduce allergens and harmful airborne pollutants.
- Has advanced Certified Space Technology to quickly freshen the air as it destroys airborne and surface contaminants and odors.

Unique Features

- Compact size and portable
- Chemical free operation
- Purification Function to quickly freshen the air
- Low maintenance
- Very quiet operation
- Easy to use



Specifications

Voltage Rating	120 VAC, 60 Hz
Energy Consumption	2.8 watts
Dimensions	H 5.1" x W 4" x D 2"
Weight	7.1 oz
Technology	ActivePure® + Ionization
Recommended Room Size	up to 50 sq. ft.
Warranty	Six Months Limited warranty



2017 Space Technology Hall of Fame Inductee

LAUNDYPURE 2.0

The LaundryPure 2.0 super cleans your laundry using only cold water and no detergents.

Benefits

- Saves the average family of 4 up to \$462/year: hot water and cleanser costs
- Eliminates allergic reactions and skin sensitivities due to chemicals in detergent and fabric softeners
- Keeps colors bright and whites white, and towels softer and fluffier
- Extends the life of your clothing
- Environmentally-friendly

How it works

- NASA-inspired technology infuses cold water with oxygen, hydrogen peroxide, and other safe cleaning gases which bubble, lift dirt, and clean fabrics eliminating the use of traditional detergents.

Unique Features

- Designed and built in the USA
- Status lights will glow blue when operating normally
- Small unit (17.3" x 5.19" x 3.69") easily mounts directly to the wall and attaches to your water source
- Also creates high intensity cleaning water for general household cleaning

Target Customer

- Families, children, apartments, homes, or small businesses
- Anyone with sensitive skin, or allergic reactions to chemicals found in detergent, fabric softener, and fragrances
- Budget-conscious customers – people who are smart with their money
- People who care about the environment



2017 Space Technology Hall of Fame Inductee

No Detergent*. No Hot Water. More Savings!

	Electric Water Heater		Gas Water Heater		LaundryPure 2.0
Water Temperature Setting	Hot / Cold	Cold / Cold	Hot / Cold	Cold / Cold	Cold / Cold
Water (includes electricity + water + water heating)	\$0.61	\$0.24	\$0.42	\$0.24	\$0.24
Detergent cost per load	\$0.45	\$0.45	\$0.45	\$0.45	X
Fabric softener cost per load	\$0.36	\$0.36	\$0.36	\$0.36	X
Cost per load	\$1.42	\$1.05	\$1.23	\$1.05	\$0.24
Avg loads / year	392	392	392	392	392
Annual cost	\$556.64	\$411.60	\$482.16	\$411.60	\$94.08
Annual Savings with LaundryPure™	\$462.56	\$317.52	\$388.08	\$317.52	

*Note: LaundryPure 2.0 reduces or eliminates the need for laundry detergent. While many users find that LaundryPure alone effectively cleans their laundry, you may find it necessary to pre-treat or use a reduced amount of detergent to remove certain stains. If you find that detergent is necessary, we recommend using 1/8th the amount you previously used before your LaundryPure 2.0 purchase.

**2009 public data found through national organizations such as the US Environmental Protection Agency and Department of Energy. Costs shown are averages and actual costs may be higher or lower depending on the utility rates for your geographic location and laundry equipment used.

2,278,632,006
GALLONS SAVED*

\$60,763,520
MONEY SAVED*



Eco-friendly
Technology