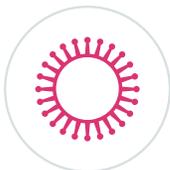




# Healthy indoor environments keep students and staff in school

*Making classrooms cleaner and safer with WellAir*



Reduce pathogens in the air that lead to COVID-19, colds, influenza, and gastrointestinal illness



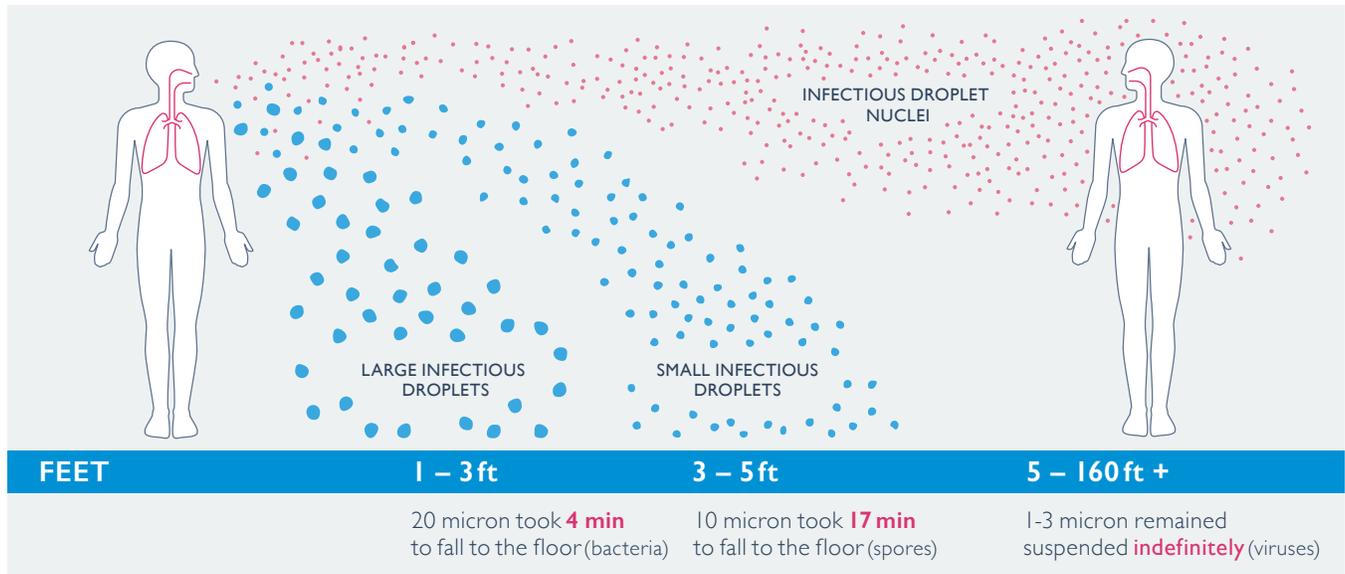
Reduce total VOCs that cause odor, headaches, and eye and throat irritation



Reduce dust, mold spores and pollen that trigger asthma and allergies

There is mounting research supporting the significance of airborne transmission of viruses. Experts now acknowledge that SARS-CoV-2 can be spread by airborne transmission, and that under certain conditions, people with COVID-19 can infect those who are more than 6 feet away. This suggests that viral particles can remain suspended in the air for long periods and can be inhaled.<sup>1</sup>

### SARS-CoV-2 is airborne



1. CDC, 2020 J.W. Tang, Y. Li, I. Eames, P. K. S. Chan, G. L. Ridgway, Factors involved in the aerosol transmission of infection and control of ventilation in healthcare premises. Department of Microbiology, The Chinese University of Hong Kong, Prince of Wales Hospital. Hong Kong; Department of Mechanical Engineering, The University of Hong Kong, Pokfulam, Hong Kong; Department of Mechanical Engineering, University College London, London UK School of Public Health.

## Closing The Infection Control Loop

*The WellAir ecosystem ensures a clean, safe and healthy environment for your students and staff.*

**Over 40 laboratory tests show a reduction in viruses, bacteria, particulate, mold, and VOCs.**

WellAir provides a solution suite that closes the infection control loop and provides a healthier indoor environment. By upgrading air and surface cleaning protocols, K-12 schools can safely and dramatically reduce the chemical and biological contaminants that contribute to illness among students with continuous 24/7 protection.

### WellAir Portable Air Disinfection Devices

Use safe and patented NanoStrike™ technology to deactivate harmful microorganisms on contact.

### Plasma Air HVAC Devices

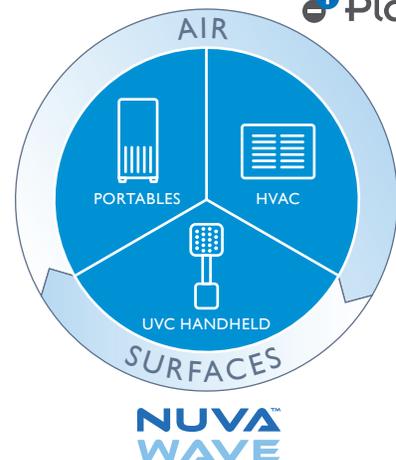
Use safe bipolar ions to purify the air in occupied spaces, neutralizing and reducing microscopic airborne contaminants.

### NuvaWave Handheld Surface Disinfection

UVC LED technology uses a safe, non-toxic, lightweight portable method for surface disinfection, killing pathogens in under one second.

NanoStrike™  
technology

PlasmaAir



## Benefits of Safe, Healthy Indoor Air & Surfaces



### Improved Overall Health and Wellbeing

Good indoor air quality improves overall comfort and reduces the risk of illness from infection, headaches and irritation from allergens and odor-producing VOCs.



### Improved Productivity

Good indoor air quality reduces fatigue and sleepiness, increasing concentration, cognitive function and productivity.



### Reduced Absenteeism

Good indoor air quality reduces stress, allergies, asthma, and depression – all common causes of absenteeism.



### Reduced Risk and Liability

Poor indoor air quality can lead to illness which results in costly litigation for both the organization and occupants of a facility.

## Protection Against COVID-19

It's been well documented that coronavirus particles can linger in the air and travel across a room. To protect students and staff from inhaling these particles, schools disinfect surfaces and the air to prevent transmission and spread of COVID-19. Close the infection control loop with continuous 24/7 protection after the initial disinfection period around the most vulnerable of people.

WellAir portable air disinfection devices have been independently tested against both the live SARS-CoV-2 virus and MS2 Bacteriophage virus, a surrogate for SARS-CoV-2, the virus causing COVID-19.

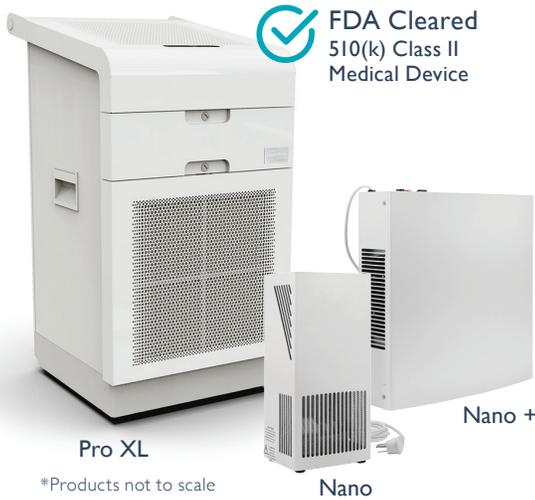
- **The WellAir Pro XL** was shown to reduce the live SARS CoV-2 virus by **99.99%** in 30 minutes.
- **The WellAir Nano +** was shown to reduce the surrogate virus by **99.99%** in 5 hours.

Plasma Air Ionization technology has been independently tested against MS2 Bacteriophage virus.

- **The PA 600 and PP 600 series** was shown to reduce the virus by **99.00%**.

NuvaWave Instant UV handheld device has efficacy in reducing SARS-CoV-2 virus on surfaces was evaluated.

- **The NuvaWave handheld device** deactivated **99.88%** of SARS-CoV-2 after one second of exposure.



**FDA Cleared**  
510(k) Class II  
Medical Device

Protected by  
**NanoStrike™**  
technology

## MEDICAL-GRADE PORTABLE AIR DISINFECTION

WellAir portable air disinfection devices use patented NanoStrike™ technology to inactivate harmful airborne pathogens. The Pro XL had been cleared by the FDA as a 510(k) Class II Medical device. The devices are available in three sizes. Reference product sheets for more information.



**CORONAVIRUS**  
**99.99% reduction**  
SARS CoV-2  
Model: Pro XL



**VIRUS**  
**99.99% reduction**  
MS-2 (Coronavirus)  
Model: Nano +



**MOLD**  
**99.99% reduction**  
*Aspergillus niger*  
Model: Pro XL



**BACTERIA**  
**99.99% reduction**  
MRSA  
Model: Nano +

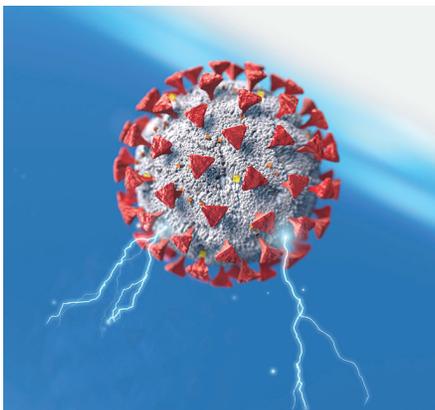


**VOCs**  
**99.68% reduction**  
Formaldehyde  
Model: Pro XL

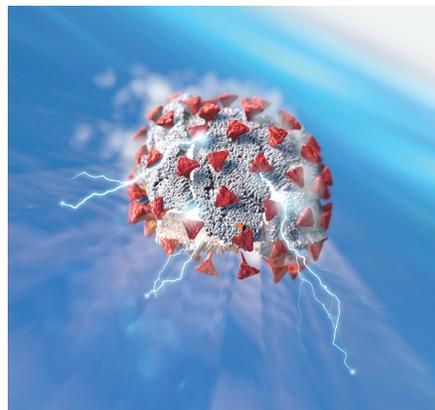
## How NanoStrike™ Technology Works

NanoStrike technology provides the first line of protection against airborne viruses and bacteria.

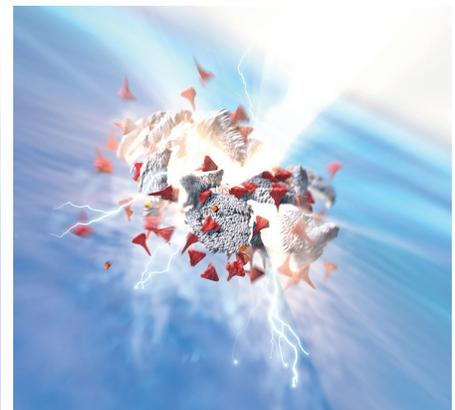
NanoStrike coils provide a powerful strike, made up of multiple concurrent processes, that work to rapidly inactivate airborne pathogens such as viruses, bacteria and fungi. Microorganisms are exposed directly to the discharge as opposed to by-products of the discharge as the air flows over the coils.



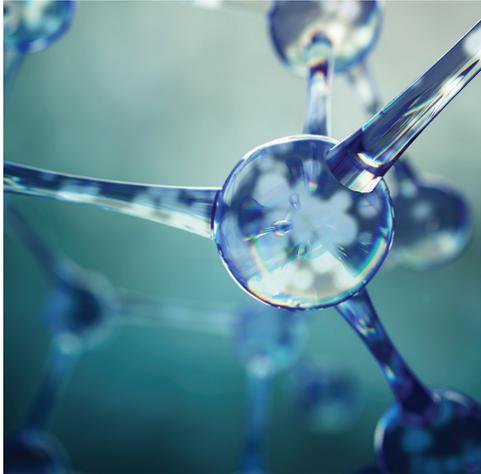
① NanoStrike attacks the pathogen, perforating cell walls.



② DNA and protein within the cell wall are destroyed.



③ Cell bursts due to osmotic pressure.



**PlasmaAir**

**HVAC AIR PURIFICATION**

Plasma Air units can be installed in existing or new HVAC systems that use plasma-generated bipolar ionization to reduce particulate matter, odors, VOCs, bacteria, and viruses. Plasma Air's needlepoint bipolar ionizers have been UL 2998 validated for zero ozone emissions. Reference product sheets for more information.



**VIRUS**  
**99% reduction**  
 MS2 Bacteriophage  
 (SARS-CoV-2 surrogate)  
 PA600 Series



**VIRUS**  
**86.6% reduction**  
 Influenza A (H1N1)  
 PA7000 Series

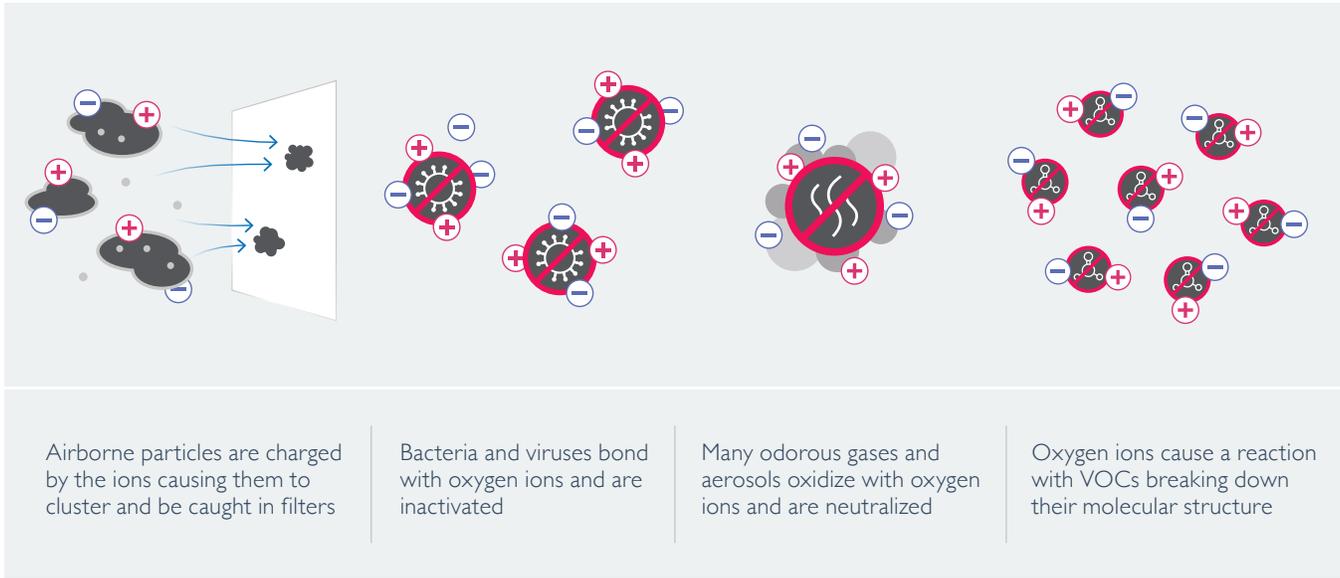


**MOLD**  
**97.14% reduction**  
 Aspergillus niger  
 PA7000 Series



**BACTERIA**  
**99.43% reduction**  
 Escherichia coli  
 PA7000 Series

**How Bipolar Ionization Works**



Airborne particles are charged by the ions causing them to cluster and be caught in filters

Bacteria and viruses bond with oxygen ions and are inactivated

Many odorous gases and aerosols oxidize with oxygen ions and are neutralized

Oxygen ions cause a reaction with VOCs breaking down their molecular structure



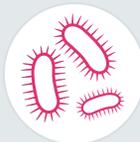
**NUVA  
WAVE™**

**UVC LED SURFACE DISINFECTION**

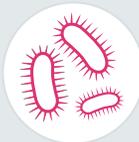
The NuvaWave portable, handheld device is the ultimate solution for surface and equipment UV Disinfection, killing 99.9%+ of pathogens in one second. With state of the art UVC LED technology, the lightweight NuvaWave portable device is a safe, non-toxic, continuous solution for surface disinfection. Reference product sheets for more information.



**VIRUS**  
**99.88% reduction**  
SARS-CoV-2  
(Coronavirus)



**BACTERIA**  
**99.999% reduction**  
Escherichia coli  
(E. coli)



**BACTERIA**  
**99.93% reduction**  
Acinetobacter baumannii

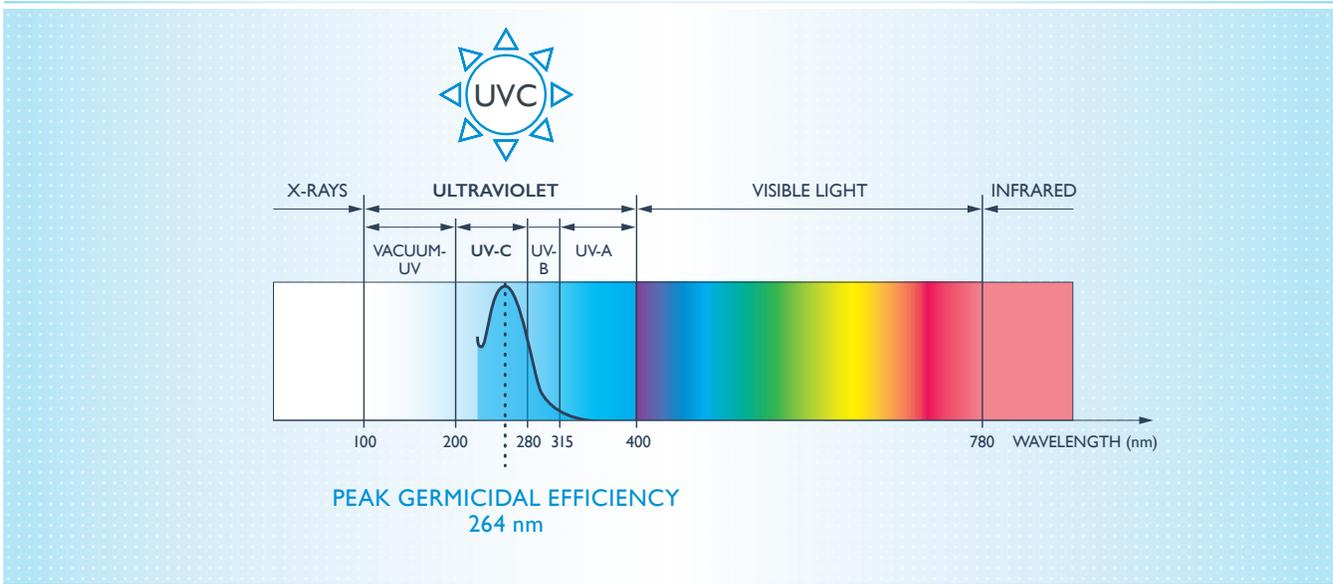


**BACTERIA**  
**99.96% reduction**  
Enterococcus faecalis  
(E. faecalis)



**BACTERIA**  
**99.64% reduction**  
Klebsiella pneumoniae  
(K. pneumoniae)

**How UVC Technology Works**



Ultraviolet (UV) light is a form of light, invisible to the human eye, that exists on the electromagnetic spectrum between X-rays and visible light. UVC wavelengths are between 200 and 300 nanometers, making them germicidal.

## Safety, Compliance & FDA Clearance

WellAir products are listed by Underwriters Laboratories (UL) or Intertek: Nationally Recognized Test Laboratories (NRTL) and approved by OSHA. The WellAir Pro XL is cleared by FDA as 510(k) Class II Medical Device to inactivate and filter out airborne virus and bacteria for medical purposes.

Our products have been tested and certified to:

- UL 2998 standards – Air Cleaner Validation for Zero Ozone Emissions
- UL 867 standards – Electrostatic Air Cleaner Standards
- UL 1995 - Air Handler Applications
- SGS Certification - SGS Listed Mark

Manufacturing facilities are audited quarterly by UL/Intertek to ensure product safety and compliance.



## On-Site Lab Testing

WellAir develops products using our onsite state-of-the-art R&D electronics and microbiology laboratory and environmental test chambers. The chambers simulate different room sizes and test our products under various environmental conditions, such as humidity, temperature, and airflow. Our team of scientists and microbiologists leads all product development to ensure our solutions deliver the maximum destruction of pathogens before being launched into the market.



The EPA-registered NuvaWave is the first and only instant UV disinfection device that kills 99.9% of the most dangerous and common pathogens, including the virus that causes COVID-19, in one second on high-touch surfaces using UVC light.<sup>2</sup>

EPA Company No. 99860

EPA Establishment No. 99860-NC-1

2. Based on independent lab studies using ASTM E3135.9246 for SARS-CoV-2, MRSA, *E. coli*, *Enterococcus faecalis*, *Aceintobacter baumannii*, and *Pseudomonas aeruginosa*.

## WellAir Solutions in Real-World Settings

WellAir's portable and HVAC solutions are installed in K-12 schools, colleges, and universities throughout the United States to help students, teachers, and staff safely return to in-person instruction. Our indoor air quality products provide simple, flexible, and cost-effective solutions that protect occupant health and wellbeing.

“The WellAir Nano + portable air infection prevention device provides vital peace of mind. The medical-grade NanoStrike technology it uses helps to safely clean the air by reducing contaminants and viruses 24 hours a day. The decision to choose the Nano + was obvious once we reviewed the NanoStrike testing and scientific data, specifically its effectiveness on the SARS CoV-2 virus.”



**Ken Mueller**

*Director of Operations*

Riverside Unified School District (40,000 students), California



“We’re strategic about what we put in place, and many of these changes will continue to benefit the university for years to come. For example, the [Plasma Air] air ionization systems will continue to provide fresh, clean air for years.

**John Moore**

*Associate Vice President of Facilities Management*

*Co-chair of Rochester Institute of Technology,  
Infrastructure and Health Technologies Task Force*

### Contact Us:

call: **1.866.508.1118** email: [info@wellairsolutions.com](mailto:info@wellairsolutions.com) [www.wellairsolutions.com](http://www.wellairsolutions.com)