



Healthy Indoor Environments Keep Students and Staff in School

Helping to make classrooms cleaner and safer



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



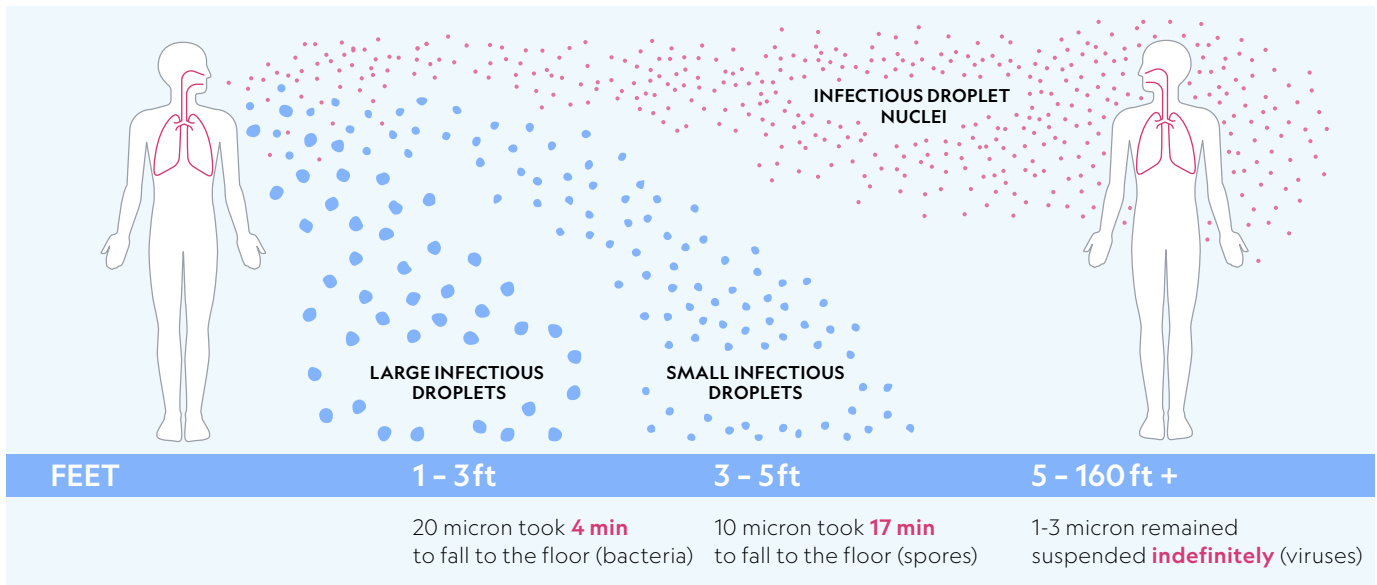
Reduce total VOCs that cause odor, headaches, and eye and throat irritation



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.¹

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 inactivate harmful microorganisms on contact.

Plasma Air HVAC Devices

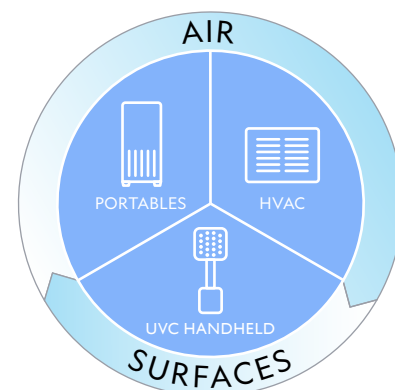
Use safe bipolar ionization to purify the air in occupied spaces, neutralizing and reducing microscopic airborne contaminants.

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

PlasmaAir



NuvaWave

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 Airborne Viruses

It's been well documented that virus particles can linger in the air and travel across a room. To help protect students and staff from inhaling these particles, schools must disinfect surfaces, as well as the air, to prevent the spread of viruses such as COVID-19. Close the infection control loop with continuous 24/7 protection 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 Defend 1050** was shown to reduce the **live SARS CoV-2** virus by **99.99%** in 30 minutes.
- **The Defend 400** was shown to reduce the **surrogate** virus by **99.9995%** in 45 minutes.
- **The Protect 900** was shown to reduce the **surrogate** virus by **99.99%** in 5 hours.
- **The Protect 200** was shown to reduce the **surrogate** virus by **99.991%** in 3 hours.

Plasma Air Ionization technology has been independently tested against harmful viruses, including the live and surrogate SARS CoV-2 viruses, the Omicron variant and Influenza A (H1N1).

- **The PA 600 series** was shown to reduce the **Omicron coronavirus** variant by **99.995%** in 90 minutes.
- **The AutoClean 1500/1560 products** were tested and shown to reduce the **live SARS CoV-2** virus by **99.99%** in 90 minutes.
- **The PA 600 series** was shown to reduce the **MS2 Bacteriophage** virus by **99.39%** in 240 minutes.

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

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

PORTABLE AIR SOLUTIONS

Protected by
NanoStrike™



Defend 1050

Defend 400

 FDA Cleared
Class II Medical Device

FDA-CLEARED MEDICAL DEVICES Defend 1050 and Defend 400

- Medium to large indoor spaces

NanoStrike™ technology **inactivates aerosolized viruses, bacteria, and fungi.** Combined with a triple-stage activated carbon and certified HEPA filter, the Defend products **help remove particulate matter (PM), volatile organic compounds (VOCs), gases and odors.**



Protect 200

Protect 900

AIR DISINFECTION Protect 900 and Protect 200

- Small to medium indoor spaces

Targets breathing zone with NanoStrike™ technology to **inactivate aerosolized viruses, bacteria, and fungi.** Devices can be wall mounted or placed on a tabletop using a stand. Devices are quiet in operation and low maintenance.

*Products not to scale



CORONAVIRUS
99.99% reduction
SARS CoV-2
Model: Defend 1050



VIRUS
99.99% reduction
MS-2 (Coronavirus)
Model: Defend 400,
Protect 900, Protect 200



MOLD
99.99% reduction
Aspergillus niger
Model: Defend 1050



BACTERIA
99.99% reduction
MRSA
Model: Defend 400,
Protect 900



VOCs
99.68% reduction
Formaldehyde
Model: Defend 1050

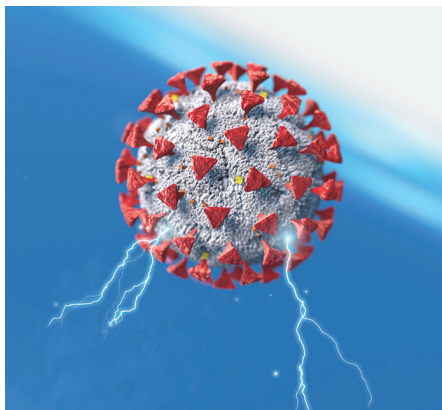
*Research on file

How NanoStrike™ Technology Works

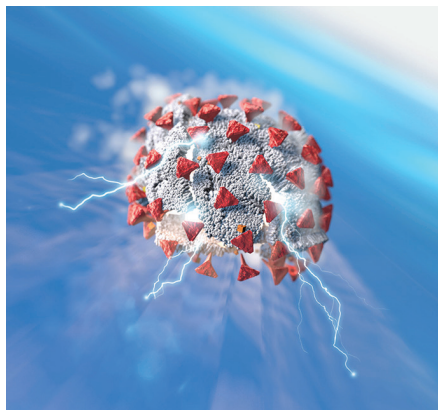
NanoStrike Technology provides the first line of protection against airborne viruses and bacteria.

Developed by the WellAir team of scientists and engineers, NanoStrike technology harnesses a range of physical concurrent pathogen inactivation processes to safely clean the air.

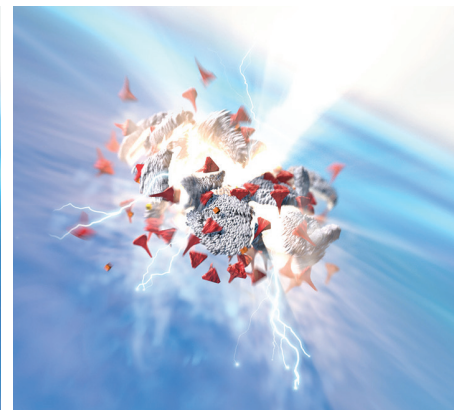
NanoStrike coils provide a powerful strike that works to burst airborne pathogen cells, rapidly inactivating them, ensuring they are no longer a threat of infection.



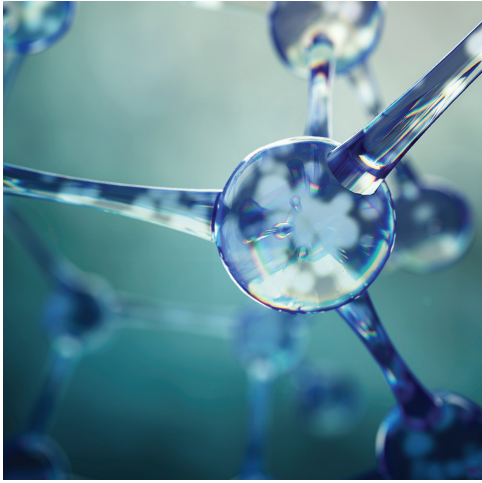
① NanoStrike attacks the pathogen, perforating cell walls.



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 and 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**. For more information visit www.plasma-air.com.



VIRUS
99.995% reduction
Omicron Coronavirus Variant
 PA 600 Series



VIRUS
99.99% reduction
Live SARS CoV-2
 AutoClean Series



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



VIRUS
86.6% reduction
Influenza A (H1N1)
 PA7000 Series

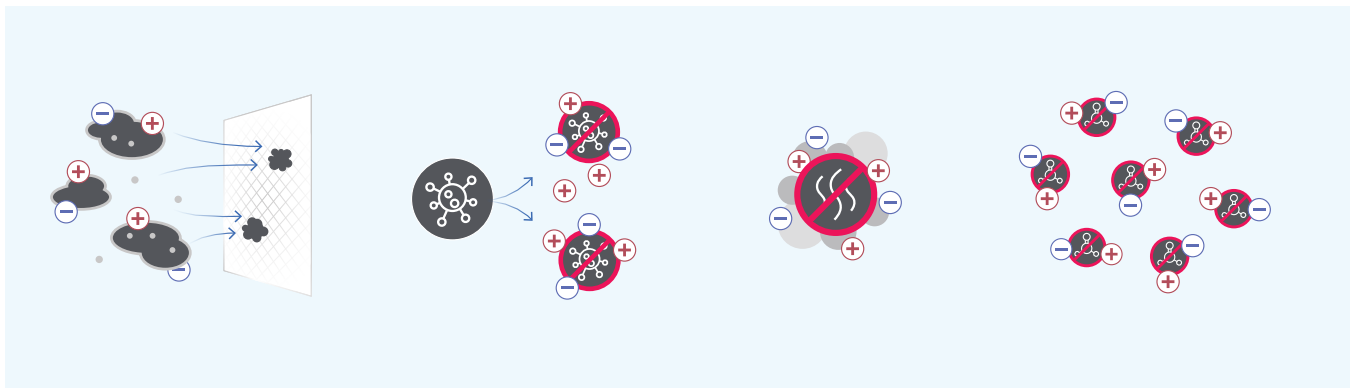


MOLD
97.14% reduction
Aspergillus niger
 PA7000 Series



BACTERIA
99.43% reduction
Escherichia coli
 PA7000 Series

How Bipolar Ionization Works

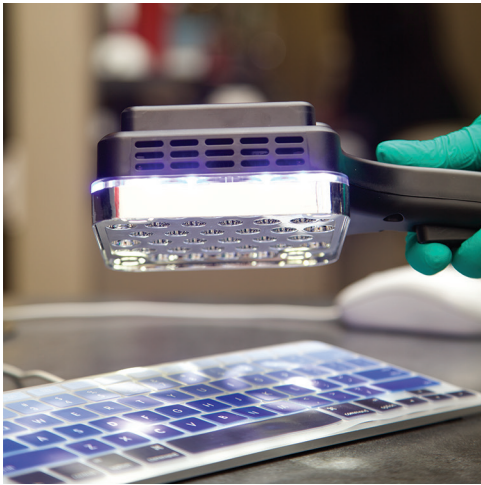


Airborne particles are charged by the ions causing them to cluster and be caught in filters

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



NuvaWave®

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. For more information visit www.wellairsolutions.com.



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



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



BACTERIA
99.93% reduction
Acinetobacter baumannii

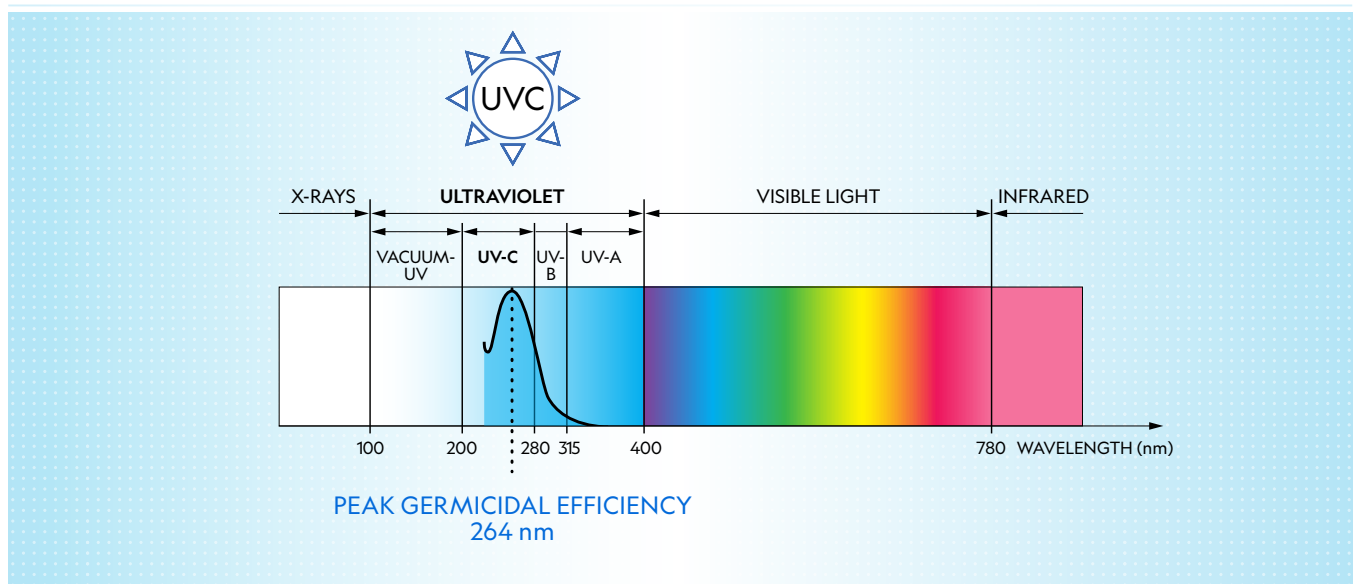


BACTERIA
99.96% reduction
Enterococcus faecalis
(*E. faecalis*)



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 and Defend 400 are cleared by the FDA as Class II Medical Devices to inactivate and filter out airborne viruses 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
- CARB compliant - California Air Resources Board

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 lead 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.²

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 help protect occupant health and wellbeing.

“The WellAir Protect 900 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 Protect 900 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*

“We’ve made a \$3 million investment to upgrade our building’s ventilation systems and purchased WellAir Protect 900 units that remove over 99% of virus particles from the air!

Omar Robinson

Sr. Director of Facilities

Mastery Schools, Metro Philadelphia