



Solutions for a Healthy Indoor World

The WellAir ecosystem combines portable air cleaning and disinfection, HVAC air purification, and instant UV surface disinfection solutions.



Protected by

NanoStrike™

The First Line of Protection Against Airborne Viruses and Bacteria

NanoStrike™ technology is the unique, patented technology at the core of all WellAir portable air cleaning devices. This nanotechnology inactivates airborne microorganisms on contact providing the first line of protection against viruses and bacteria.

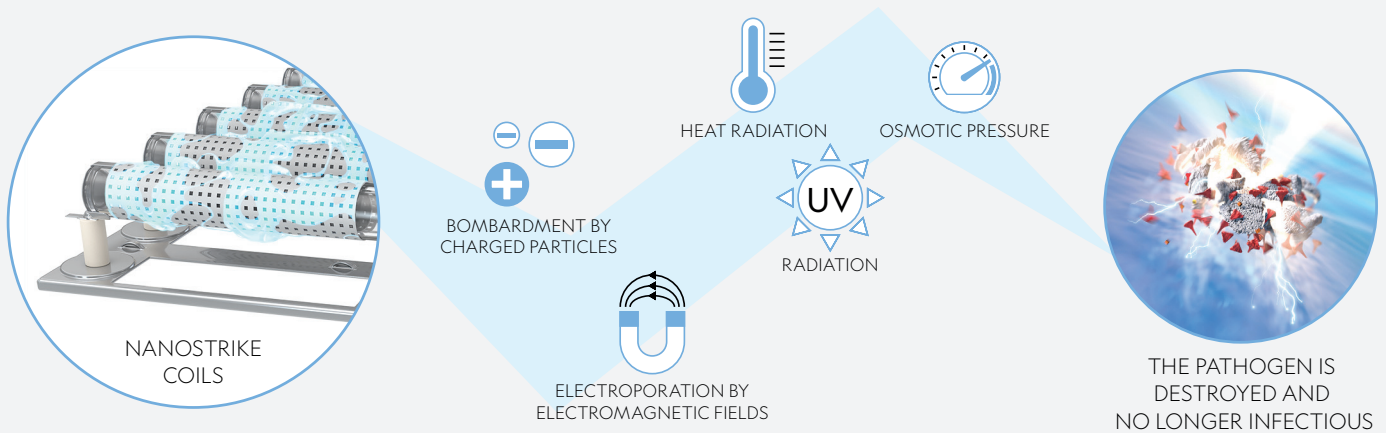
- Patented technology harnessing multiple pathogen inactivation processes in one powerful strike
- Inactivates at the DNA level in a sub-second time frame
- Uniquely bursts the pathogen cell, preventing self-healing
- Multiple inactivation processes help to prevent future antimicrobial resistance
- Low total cost of ownership
- Powerful, but gentle for 24/7 use
- Independently tested and proven




How NanoStrike™ Protects

Multiple Inactivation Processes in One Powerful Strike

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.



 VIRUSES	<ul style="list-style-type: none"> • SARS-CoV-2 • Influenza A 	<ul style="list-style-type: none"> • Phi X 174 • Norovirus¹ 	<ul style="list-style-type: none"> • Measles²
 BACTERIA	<ul style="list-style-type: none"> • MRSA • <i>Bacillus subtilis</i> • <i>Staphylococcus epidermidis</i> 	<ul style="list-style-type: none"> • Tuberculosis³ • <i>Escheria coli</i> • <i>C. difficile</i> 	<ul style="list-style-type: none"> • <i>Bacillus Globigii</i> endospores
 MOLD SPORES	<ul style="list-style-type: none"> • <i>Aspergillus niger</i> 		

Reduces live SARS-CoV-2 virus by 99.99% in 30 minutes.*

*Tested on the Defend 1050

1. Tested on MS2 Bacteriophage, a surrogate for Norovirus.
 2. Tested on Human parainfluenza type 3 (HPIV3), a surrogate for Measles.
 3. Tested on Mycobacterium smegmatis, a surrogate for Mycobacterium tuberculosis.

* Utilizing NanoStrike Technology, WellAir portable devices can help to reduce airborne viruses like SARS-CoV-2 which travel in tiny aggregated droplets that can linger for hours before they settle on surfaces.

WellAir Portable Air Cleaning Solutions

Protected by
NanoStrike™

FDA CLEARED SYSTEMS



FDA Cleared
Class II Medical Device

Defend 1050

The WellAir Defend 1050 is cleared as a FDA Class II Medical Device to filter out and inactivate airborne microorganisms, including viruses and bacteria and is UL 2998 validated for zero ozone emissions. The Defend 1050 uses NanoStrike™ technology combined with a triple-stage Camfil® filter system to provide a rapid, powerful solution for air cleaning and particle removal. Free-standing unit can be wheeled easily into desired location and plugs into any outlet.



FDA Cleared
Class II Medical Device

Defend 400

The WellAir Defend 400 is an FDA-cleared medical device that inactivates aerosolized viruses, bacteria, and fungi, and purifies the air of particulate matter (PM), volatile organic compounds (VOCs), gases, and odors. The device is designed for airborne infection control in medium to small-sized rooms, can be wheeled easily into desired location and plugs into any outlet. The Defend 400 device combines NanoStrike™ Technology with a triple-stage filtration system from Camfil® to deliver healthy indoor air.



NANOSTRIKE
TECHNOLOGY



FAN SPEED
CONTROL



LARGE
ROOMS



TRIPLE STAGE
FILTER



NANOSTRIKE
TECHNOLOGY



FAN SPEED
CONTROL



MEDIUM
ROOMS



TRIPLE STAGE
FILTER

AIR DISINFECTION DEVICES



Protect 900 (device mounted on counter-top stand - sold separately)

Protect 900

The WellAir Protect 900 is a medical-grade, airborne infection control device that inactivates aerosolized viruses, bacteria, mold spores and pollen within the breathing zone. Easy to use, flexible in positioning, and quiet in operation, the portable device provides safe and cost-effective airborne pathogen protection in a continuous manner to people in small-to-medium sized rooms or within the occupied spaces of larger rooms. The device uses two NanoStrike™ coils with a dual-speed fan. It can be deployed using one of our specially designed stands or wall-mounted.



NANOSTRIKE
TECHNOLOGY



FAN SPEED
CONTROL



MEDIUM
ROOMS



Protect 200

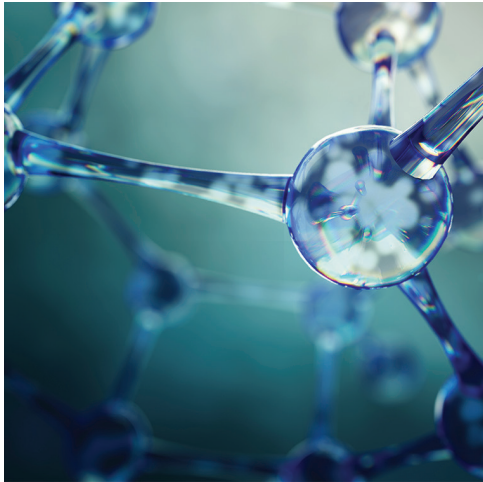
The WellAir Protect 200 is a medical-grade, airborne infection control device that inactivates aerosolized viruses, bacteria, mold spores and pollen within the breathing zone. The device uses one NanoStrike™ coil with a single speed fan. Easy to use, flexible in positioning, and quiet in operation, the portable device provides safe and cost-effective airborne pathogen protection in a continuous manner to an individual or a group of people occupying a shared space where social distancing guidelines cannot be followed.



NANOSTRIKE
TECHNOLOGY



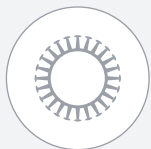
SMALL
ROOMS



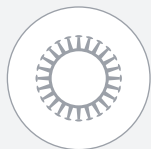
e+ Plasma Air

HVAC AIR PURIFICATION

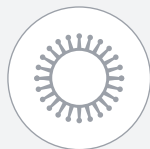
Plasma Air's Needlepoint Bipolar Ionization technology reduces particulate matter, odors, bacteria and viruses and is independently proven safe and effective for continuous use. All Plasma Air products are UL 2998 validated for zero ozone emissions, are UL 867 safety certified and are CARB certified.



VIRUS
99.99% reduction
 Active SARS-CoV-2
 AutoClean 1500



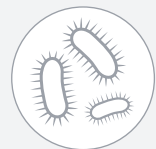
VIRUS
99.9% reduction
 Active Omicron Variant
 PA600 Series



VIRUS
86.6% reduction
 Influenza A (H1N1)
 PA7000 Series

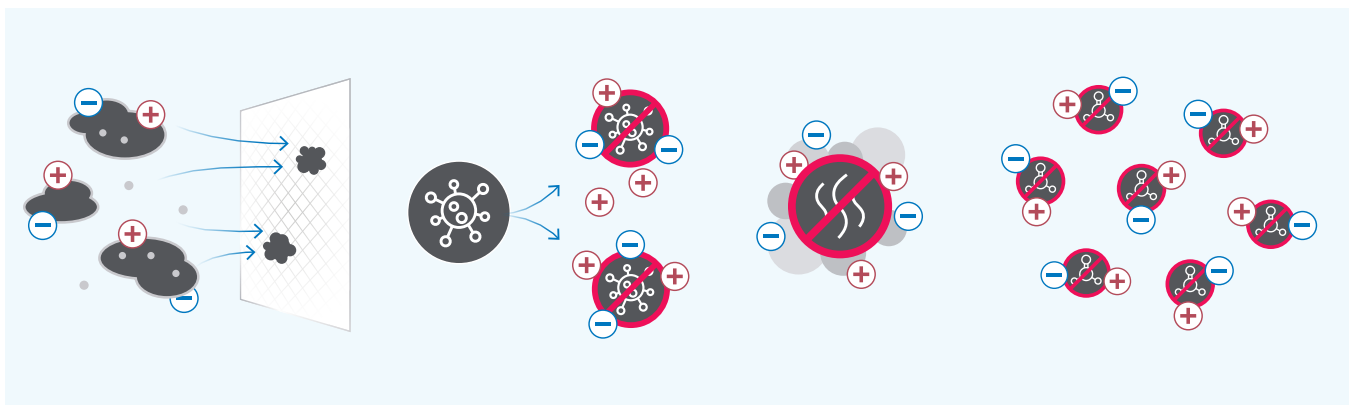


MOLD
97.14% reduction
 Aspergillus niger
 PA7000 Series



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

Plasma Air HVAC Solutions

Ideal for use in commercial, industrial or educational institution applications. Benefits include:

- Uniquely small size - allows for flexible, fast and easy installation
- No replacement parts required
- Low Power Consumption - Less than 1 watt of power
- Little to no maintenance required




VALIDATED

• ZERO OZONE EMISSIONS – MEASURED OZONE EMISSIONS FROM AIR IONIZER PA600 SERIES DURING USE PHASE DOES NOT EXCEED 0.005 PPM AS TESTED BY UL 867
UL.COM/ECV



- 600 Series**
Brush-style Needlepoint Bipolar Ionizer
- Compact design allows for flexible and easy installation in various system types
 - Fan inlet mounted with magnets or screws
 - Low maintenance
 - Treats up to 2400 CFM (6 Ton capacity)
 - Available in 12V DC, 24V AC/DC, 120V AC and 208- 240V AC voltages
 - Fuse protected




VALIDATED

• ZERO OZONE EMISSIONS – MEASURED OZONE EMISSIONS FROM PLASMA AIR AUTOCLEAN 1560 BMS DURING USE PHASE DOES NOT EXCEED 0.005 PPM AS TESTED BY UL 867
UL.COM/ECV

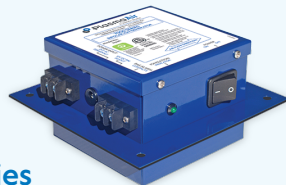


- AutoClean 1560**
Self-cleaning Needlepoint Bipolar Ionizer
- Automatically cleans dirt and dust from needles
 - No maintenance
 - Compact design allows for flexible and easy installation in various system types
 - Fan inlet mounted with screws
 - Treats up to 6000 CFM (15 Ton capacity)
 - Available in 12-24V AC/DC, 24V AC voltages
 - Includes dry contacts




VALIDATED

• ZERO OZONE EMISSIONS – MEASURED OZONE EMISSIONS FROM AIR IONIZER 7000 SERIES DURING USE PHASE DOES NOT EXCEED 0.005 PPM AS TESTED BY UL 867
UL.COM/ECV



- 7000 Series**
Needlepoint Bipolar Ionizer
- Easily installs in residential and commercial supply duct
 - Needles are recessed – no dust accumulation
 - Low maintenance
 - Treats up to 6000 CFM (15 Ton capacity)
 - 24V standard power input with optional 120V or 230V power supplies




VALIDATED

• ZERO OZONE EMISSIONS – MEASURED OZONE EMISSIONS FROM AIR IONIZER PA660 SERIES DURING USE PHASE DOES NOT EXCEED 0.005 PPM AS TESTED BY UL 867
UL.COM/ECV



- 660 Series**
Brush-style Needlepoint Bipolar Ionizer
- Compact design allows for flexible and easy installation in various system types
 - Fan inlet mounted with magnets or screws
 - Low maintenance
 - Treats up to 2400 CFM (6 Ton capacity)
 - Available in 12V DC, 24V AC, 120V AC and 230V AC voltages
 - Fuse protected
 - Includes dry contacts



VALIDATED

• ZERO OZONE EMISSIONS – MEASURED OZONE EMISSIONS FROM PLASMA BAR SERIES WITH PLASMA BAR CONTROL PANEL DURING USE PHASE DOES NOT EXCEED 0.005 PPM AS TESTED BY UL 867
UL.COM/ECV



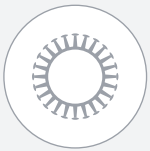
- Plasma BAR Series**
Needlepoint Bipolar Ionizer
- Easily installs in air handlers or rooftop units
 - Shipped in finished lengths; no field assembly necessary
 - Available in lengths of 18" to 96" to suit a variety of size applications
 - Low maintenance
 - Treats up to 20,000 CFM; multiple BARs can be used.
 - 24V AC or 12V DC. Power supply provided for 120V - 230V. Transformer provided for 277V.



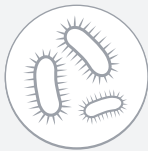
NuvaWave®

UVC LED SURFACE DISINFECTION

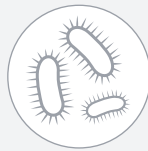
The NuvaWave handheld device is the ultimate solution for surface and equipment UV disinfection, killing 99.9%+ of pathogens in one second. With state of the art UVC technology, the lightweight NuvaWave portable device is a safe, non-toxic, continuous solution for surface disinfection.



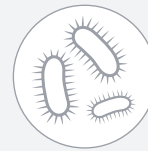
VIRUS
99.88% reduction
SARS-CoV-2
 (Coronavirus)



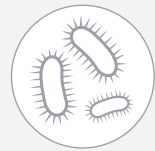
BACTERIA
99.999% reduction
Escherichia coli
 (E. coli)



BACTERIA
99.93% reduction
Acinetobacter
baumannii



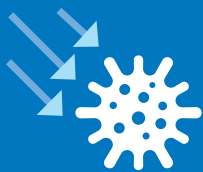
BACTERIA
99.96% reduction
Enterococcus faecalis
 (E. faecalis)



BACTERIA
99.64% reduction
Klebsiella pneumoniae
 (K. pneumoniae)

“ The World's First Instant UV Disinfection Handheld that Kills **99.88%** of the COVID Virus in **One Second** ”

How NuvaWave UVC Technology Works



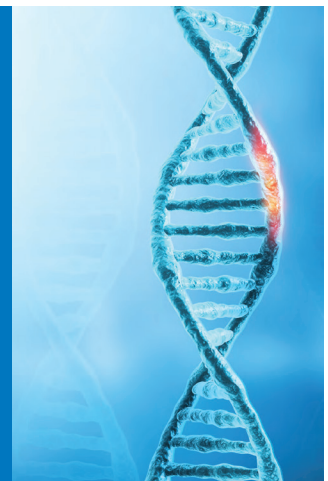
Targeted high-energy UVC light waves penetrate the pathogen



Energy from the UVC waves damages pathogen DNA and/or RNA



The pathogen acquires enough DNA and/or RNA damage in one second of UVC exposure to either kill the pathogen or eliminate its ability to replicate and cause illness.



UVC Surface Disinfection Device

The NuvaWave handheld device is the ultimate portable solution for UV Disinfection. Features include:

- Distance feedback to aid user in optimal placement
- Continuous system performance monitoring
- Embedded computer sensors for intelligent safety shut-off
- Uniform UVC light across disinfection area
- Ergonomically balanced design
- Visible light indicators of active UV disinfection



SPECS

- Average output power @ 2" across 4" x 4" disinfection area - 12 mW/cm²
- Kills 99.9%+ of pathogens in one second
- Operates at 270 nm, the peak of the germicidal curve
- Lightweight handheld device ~1.5 pounds
- External battery pack lasts ~3 hours on a single charge
- 5,000 hour solid state light source, no mercury

NUVAWAVE® KIT CONTENTS

- NuvaWave UVC Handheld Device
- (2) NuvaWave UVC Face Shields
- (2) 3-hour rechargeable batteries
- AC battery charger
- Utility belt with battery mount and device holster
- Instructions for use

SAFETY & COMPLIANCE

This WellAir NuvaWave device is independently tested by Texas Biomedical Research Institute, tested and certified by SGS US and an official registered product with the U.S. Environmental Protection Agency (EPA).

Additional testing and features:

- Time and Distance to kill pathogens
- Wavelength is UVC at 270 nm not mixed with UVA or UVB
- Verified independent 3rd party testing kill claim
- UVC is invisible verify with Dosimeter Cards UV intensity
- LED light, not mercury
- LED light expecting life >5000 hours
- Warranty
- Safety Shut Off, Instant On & Off
- Onboard warning light notification

A modern, curved staircase with wooden steps and a white metal railing, set against a large window overlooking a lush green forest. The staircase is reflected in a pool of water in the foreground.

About WellAir

WellAir makes the indoor world cleaner and safer. Scientifically proven to help harmonize how we work, live and play.

WellAir's patented technologies deliver innovative and powerful air cleaning technology and surface disinfection devices.

Our best-in-class solutions are used worldwide in healthcare, education, commercial and residential settings to create healing, learning, working and living spaces that foster human health, productivity and wellbeing.

WellAir is headquartered in the United States and Ireland. The group operates through core business brands: WellAir, Novaerus, Plasma Air and NuvaWave.

wellairsolutions.com