

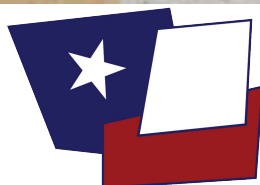


# Protect|ED

SAFE SCHOOLS MADE POSSIBLE



**PROTECTING EDUCATION WITH CLASSROOM AIR FILTRATION**



## REGION 13

EDUCATION SERVICE CENTER

Product Catalog School Year 2021 – 2022

# Air Filtration reduces learning loss, increases attendance and academic performance!



## STUDENT LEARNING LOSS



### VENTILATION & THINKING

Researchers observed a **5% decrease** in “**power of attention**” in poorly ventilated classrooms, roughly equivalent to the impact that a student might feel from skipping breakfast.

(Coley et al, 2007)

## STUDENT ATTENDANCE



### VENTILATION & HEALTH

The number of upper respiratory symptoms and **high rates of missed school days** were significantly associated with inadequate ventilation and dampness or moisture damage in a study of 4,248 sixth grade students from 297 schools.

(Toyinbo et al, 2016)

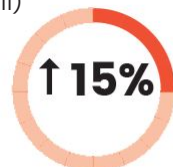
## STUDENT PERFORMANCE



### VENTILATION & ACADEMIC ACHIEVEMENT

Students in classrooms that received portable mechanical ventilation systems interventions performed faster and more accurately on computerized tasks.

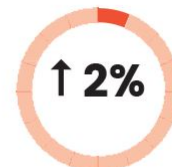
(Bako'-Biro' et al, 2011)



Word Recognition



Picture Memory



Choice Reaction

In a study of 70 elementary grade classrooms and 3,109 students, math test scores **increased by 11 points with additional ventilation.**

(Park, 2016)



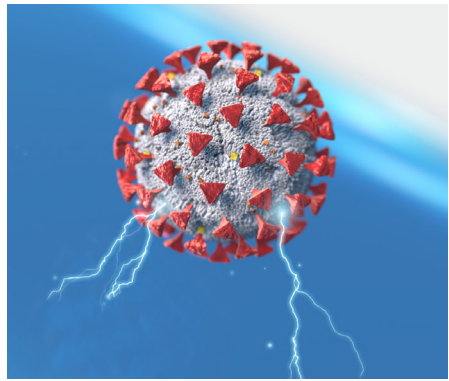
# NOVAERUS Protect 900W PORTABLE AIR DISINFECTION

Portable air disinfection devices using patented NanoStrike™ technology to inactivate airborne pathogens and neutralize VOCs.

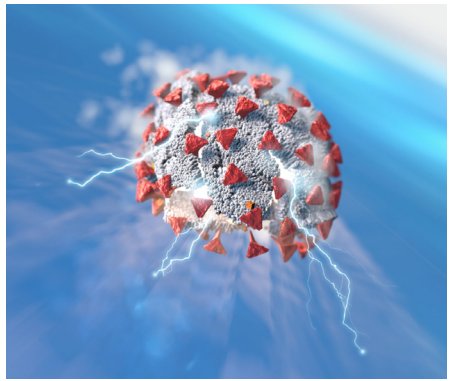
## How NanoStrike™ Technology Works

NanoStrike is a nanotechnology that provides the first line of protection against airborne viruses and bacteria.

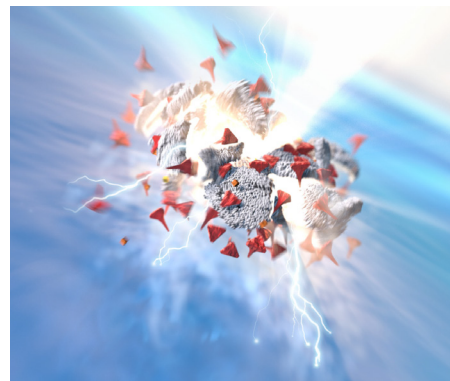
NanoStrike coils provide a deadly strike, made up of multiple concurrent inactivation processes, that work to rapidly destroy airborne pathogens such as viruses, bacteria and fungi. Microorganisms are exposed directly to the plasma discharge as opposed to by-products of the discharge as the air flows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








NanoStrike attacks the pathogen, perforating cell walls.



DNA and protein within the cell wall are destroyed.



Cells burst due to osmotic pressure.

 <p><b>VIRUS</b> 99.99% reduction MS2 (influenza surrogate)</p>	 <p><b>MOLD</b> 99.99% reduction Aspergillus niger</p>	 <p><b>BACTERIA</b> 99.99% reduction MRSA</p>	 <p><b>VIRUS</b> 99.99% reduction LIVE SARS-CoV-2 Virus</p>	 <p><b>VOCs</b> 99.68% reduction Formaldehyde</p>
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## FACILITIES

Powered by

**NanoStrike™**  
technology

Protect 900W



The Protect 900W is a medical-grade, airborne infection control device that inactivates aerosolized viruses, bacteria, fungi, spores and pollen within the breathing zone. Easy to use flexible in positioning, and quiet in operation, the portable device provides the safest and most cost-effective airborne pathogen protection in a continuous manner to classrooms.



**Protect|ED**  
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## Laboratory & Clinical Research Summary

**\$2,400 each**

**\$2,350 for 7+ units**

**\$2,300 for 15+ units**

**\*available for large  
district orders**

Over 60 independent laboratory studies Novaerus products, powered by NanoStrike™ technology, have been shown to safely and effectively reduce bacteria, mold spores, viruses, allergens, volatile organic compounds, and particulate matter.

In clinical settings, Novaerus products have been demonstrated to reduce airborne pathogens, surface bacteria, infections, antibiotic use, and odors.

**\* Bulk Order Discounts Available**

## Protect 75i HEPA Filter

Portable air filtration devices using world class medical grade HEPA filters with the lowest kWh usage on the market all with a low decibel level built for the classroom.



The Protect 75i can **filter an entire classroom** in just 30 minutes.

Protect 75i **is the quietest** Air Filter on the market





# FACILITIES

## Portable HEPA Air Filter

CADR in CFM claimed	400
Room Coverage	1300 Sq Ft
True HEPA	YES
Filter Life (Pure HEPA)	12-15 Months
Fan Speeds	5
(Max) Sound Level db	49
(Min) Sound Level db	25
Unit Dimensions WxDxH	18.5"x11.5"x27"
Weight	27 lbs
(Max) Power	45 Watts
Air Quality Indicator	YES
Lifetime Warranty	Activated with service level agreement



\* units come with filter, replacement filters (every 12 mths) \$99

\$749 each

\$735 for 25+ units

\$725 for 45+ units

\$715 for 65+ units

\* available for large district orders

**\* Bulk Order Discounts Available**



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**10901 Reed Hartman Hwy #215  
Blue Ash, Ohio 45242**

**[www.protectededucation.com](http://www.protectededucation.com)**

**(513) 400-3262  
[orders@protectededucation.com](mailto:orders@protectededucation.com)**