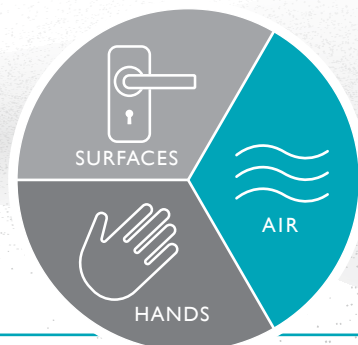




24/7 Clean Air Technology

Cleaner Air Means **Cleaner Hands** and **Surfaces**

Hand hygiene and surface disinfection have long been the international gold standard for infection control in healthcare environments. But as our hospitals become more crowded, infections become harder to treat, and costs become unmanageable, traditional protocols need reinforcement. Novaerus air disinfection technology closes the loop in infection control.



NanoStrike™ technology

The First Line of Protection Against Airborne Viruses and Bacteria

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

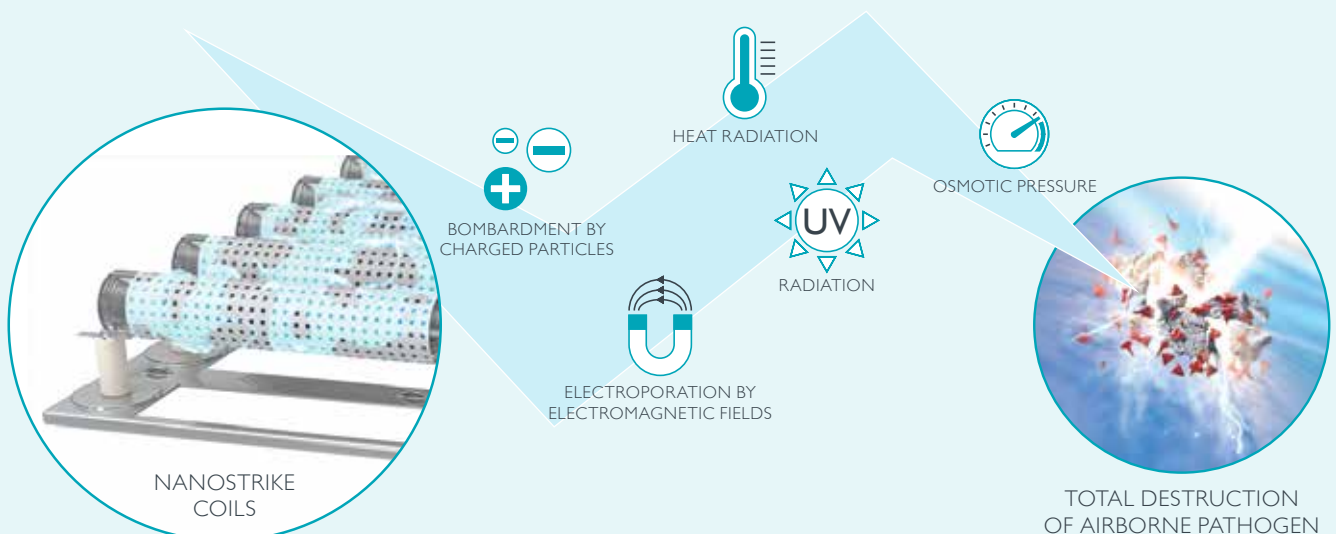
- Patented technology harnessing multiple pathogen inactivation processes in one powerful strike
- Inactivates at the DNA level in a sub-second time frame
- Uniquely bursts the pathogen cell, preventing self-healing
- Multiple pathogen inactivation processes guarantee no future antimicrobial resistance can develop
- Lowest total cost of ownership of any air purification technology
- Powerful but gentle for 24/7 use around the most vulnerable of people



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 process to safely dis-infect 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.



Independently Tested

NanoStrike™ has been independently tested and proven effective at inactivating the smallest of airborne viruses, bacteria, mould spores and pollen in dozens of independent laboratory tests.

In case studies and clinical trials, Novaerus products have been demonstrated to reduce infections and improve wellbeing in real-world settings.

TYPE	NAME	REDUCTION	TIME	SPACE	MODEL
VIRUSES 	SARS-CoV-2	99.99%	30 min	36m ³	NV1050
	MS2 Bacteriophage Virus ¹	99.99%	15 min	16m ³	NV1050
	Measles ²	99.87%	20-30 min	28.5m ³	NV1050
	Influenza A	99.9%	10-20 min	28.5m ³	NV1050
	Phi X 174	98.8%	30 min	60m ³	NV1050
	SARS-CoV-2 ³	99.99%	5 hours	16m ³	NV800
	Norovirus ⁴	99.99%	5 hours	16m ³	NV800
	Influenza A ⁵	99.99%	5 hours	16m ³	NV800
BACTERIA 	<i>Bacillus Globigii</i> endospores	99.99%	15 min	16m ³	NV1050
	Tuberculosis ⁶	97%	30 min	30m ³	NV1050
	MRSA ⁷	99.94%	15 min	30m ³	NV1050
	<i>Clostridium difficile</i> spores	99.9%	40 min	28.5m ³	NV1050
	<i>Staphylococcus epidermidis</i>	99.9%	60 min	60m ³	NV1050
	MRSA	99.99%	4 hours	1m ³	NV800
	<i>Bacillus subtilis</i>	86.63%	6 hours	16m ³	NV800
	<i>Escherichia coli</i>	71.80%	5 min ⁸	.51m ³	NV200
MOULD SPORES 	<i>Aspergillus niger</i>	99.99%	30 min	16m ³	NV1050
	<i>Aspergillus niger</i>	99.10%	4 hours	16m ³	NV800
VOCs 	Nitrogen Dioxide	99.49%	7.2 min	16m ³	NV1050
	Formaldehyde	99.68%	1.1 min	16m ³	NV1050
	Toluene	99%	9.1 min	19.72m ³	NV1050
PARTICULATE 	PM 1	99%	6.33 min	19.72m ³	NV1050
	PM 2.5	99%	6.26 min	19.72m ³	NV1050

1. MS2 Bacteriophage Virus is an accepted surrogate for Influenza, Norovirus and SARS-CoV-2.

2. Tested on Human parainfluenza type 3 (HPIV3), a surrogate for Measles.

3. Tested on MS2 Bacteriophage, a surrogate for SARS-CoV-2.

4. Tested on MS2 Bacteriophage, a surrogate for Norovirus.

5. Tested on MS2 Bacteriophage, a surrogate for Influenza.

6. Tested on *Mycobacterium smegmatis*, a surrogate for *Mycobacterium tuberculosis*.

7. Tested on *Staphylococcus epidermidis*, a surrogate for MRSA.

8. Tested for 5 minute period only to evaluate physical distortion of bacteria cell structure.

“ We ended up with clinical and financial benefits beyond our expectations. We haven't had a single influenza outbreak in a year, and staff sick leave is down by 45% year-on-year. I can't recommend Novaerus highly enough.”

Protect and Defend Your Patients and Staff

Protect

The Protect 200 and 800 have been designed for continuous air disinfection and odour control in small and medium indoor spaces. The Novaerus Protect range use NanoStrike technology with a two-speed or single-speed fan. Both units can be wall-mounted or placed on a countertop and plug into any outlet. The Protect 800 can also be mounted on one of two specially designed stands for optimal airflow.

Applications

- Treatment Rooms
- Nurses Stations
- Examination Rooms
- Common Area
- Reception Desks
- Wards
- Break Rooms
- Offices
- Patient Rooms
- Dental Practices



Defend

The Defend 1050 has been designed for rapid remediation in large spaces and situations with high risk of infection. The Novaerus Defend 1050 uses NanoStrike technology combined with a triple-stage Camfil® filter system to provide a combined solution for air disinfection and particle removal. This free-standing unit can be wheeled easily to point of care and plugs into any outlet.

Applications

- Operating Theaters
- Intensive Care Units
- Emergency Rooms
- In Vitro Fertilization Labs
- Patient Wards
- Dental Practices
- Child Care / Schools
- Long Term Care Facilities
- Burn Units
- Hematology Units

