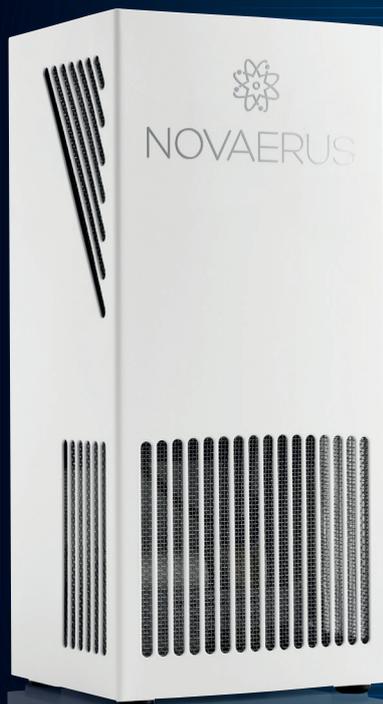


Ingenuity in
infection control
since 1830



Reduce the risk
of infection 24/7.
Novaerus plasma
air disinfection
technology kills
all airborne
microorganisms
on contact.

NOVAERUS

NV200/NV800

Exclusive
to Eschmann

Hand hygiene and surface disinfection have long been the international gold standard for infection control in healthcare environments. However, more recently the quality of the air that circulates within these places has become an important consideration.

Dental environments are frequently exposed to high levels of contaminated indoor air. The aerosols generated during routine dental procedures are known to carry significant levels of microbial contaminants and blood.

These pollutants can build up over time, resulting in heavily contaminated indoor air which creates an increased risk of infection for staff and patients.

NOVAERUS

NV200/NV800

Novaerus technology has been independently tested and proven to effectively and safely clean indoor air 24/7.

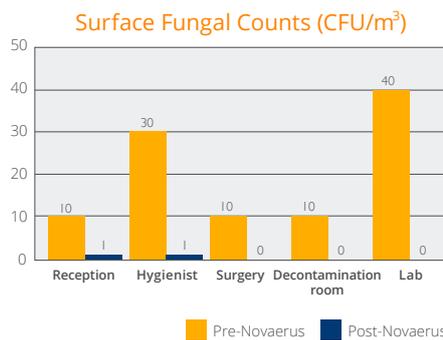
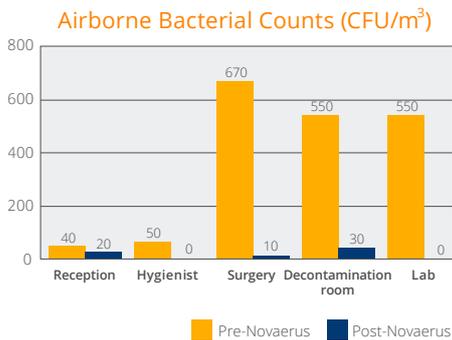
Infectious aerosols can be extremely small (<5 microns) and remain suspended and viable in the air stream over long periods of time, resulting in a high risk of airborne infection. Larger infectious particles drop from the air to contaminate surfaces and hands.

The efficacy of Novaerus disinfection technology was evaluated in the dental practice of Dr. Gary Walton, DDS, located in Indianapolis, IN.

Air and surface sampling was conducted before and three weeks (21 days) after Novaerus devices were deployed, evaluating their impact on airborne and surface bacterial and fungal counts.



Designed for continuous air disinfection and odour control in small (NV200) and medium (NV800) spaces. The NV200 uses a single speed fan and NanoStrike® plasma coil. Whilst the large NV800 uses two NanoStrike plasma coils with a 2-speed fan.



During this evaluation, by continually cleaning the air at the point of care, Novaerus technology not only reduced the amount of bioburden in the air but showed a reduction in surface contamination as well.¹

COVID-19

The World Health Organisation recommends airborne precautions for circumstances and settings in which aerosol generated procedures and support treatment are performed, according to risk assessment.²

Unlike HEPA and UV systems, only plasma air disinfection technology destroys all airborne pathogens including COVID-19, offering real security and wellbeing for all your patients and staff:



Safely kills viruses like influenza, norovirus, measles and coronavirus



Destroys bacteria including superbugs like MSRA, TB and *C.diff*.



Reduces allergens like dander, pollen, mould spores and dust



Eliminates VOCs like Formaldehyde, NO₂ and Toluene

Specifications:

ELECTRICAL RATING

Single Phase 220 - 240 VAC 50 - 60 Hz
Fuse Rated at 250 VAC 3 Amps, Listed

POWER CONSUMPTION

NV200 - 19W
NV800 - 14W

DIMENSIONS (cm)

NV200 - 28.3 (h) x 13.2 (w) x 10.8 (d)
NV800 - 36.6 (h) x 36.5 (w) x 11.4 (d)

WEIGHT

NV200 - 3.4kg
NV800 - 4.7kg

FAN AIR FLOW VOLUME

NV200 - 80 m³/hr
NV800 (Speed I) - 220 m³/hr
NV800 (Speed II) - 260 m³/hr

NOISE LEVEL

NV200 - 35 dB
NV800 (Speed I) - 40 dB
NV800 (Speed II) - 45 dB

Standards Compliance:

All Novaerus units are CE marked and comply with IEC 60601-1, IEC 60601-1-2, and are manufactured under ISO 9001 and ISO 14001.



References:

1. Novaerus (2021) Improving Indoor Air Quality in Dental Offices. Available on the Eschmann website: <https://www.eschmann.co.uk/ekmps/shops/226966/resources/Other/air-disinfection-improving-air-quality-in-dental-surgeries.pdf>

2. WHO Infection Prevention and Control Guidance for COVID-19 available at: <https://www.who.int/emergencies/diseases/novel-coronavirus-2019/technical-guidance/infection-prevention-and-control>

Eschmann Technologies Limited

Eschmann House, 15 Peter Road, Lancing,
West Sussex, BN15 8TJ United Kingdom

t: +44 (0)1903 753322

e: info@eschmann.co.uk

w: eschmann.co.uk

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