

AERUS® NEW Medical Unit

Airborne Contaminant Reduction Solution with ActivePure® Technology

New Aerus Medical Unit Overview

The New Aerus Medical Unit is a free-standing, portable unit used in professional healthcare environments to reduce airborne contaminants. With the optimal balance of performance, proven quality, user-friendly design and affordability, it's ActivePure® Technology gives professional healthcare environments an effective solution to reduce airborne contaminants.



Intended Use

The New Aerus Medical Unit is intended for medical purposes that is used for the reduction of methicillin-resistant staphylococcus epidermidis and erwinia herbicola bacteria, MS2 and Phi-X174 viruses and aspergillum niger fungal spores and bacillus globigii bacterial spores from the air in a temperature-controlled professional healthcare environment of 70–71°F, 40–45% RH.

The New Aerus Medical Unit has demonstrated the reduction of methicillin-resistant staphylococcus epidermidis and erwinia herbicola bacteria, MS2 and Phi-X174 viruses and aspergillum niger fungal spores and bacillus globigii bacterial spores under the following conditions of 72°F, 50% RH.

Technology

An internal fan draws air in from the area where the unit is located. Air moves into the unit where negative ions, created from ion brushes, charge incoming contaminants so the oppositely charged filter media can be more easily captured/entrained from ambient air. As air exits the filter, it passes the ActivePure® Cell which contains two UVGI (Ultra Violet Germicidal Irradiation) bulbs plus a TiO2 based photocatalyst. This catalyst, when irradiated with energy from the 254nm UVGI bulbs, creates hydroxyl radicals and super ions which enter ambient air to oxidize, mineralize and reduce organic compounds into non-organic forms.



Specifications

New Aerus Medical Unit	
Power Consumption	1 to 117 Watts
Recommended Treatment Space	3,000 ft ³ / 8-10 ft ceilings 84.9m ³ / 2.4m-3m ceilings
Input Voltage	120 VAC, 60 Hz 1.0 Amp
Nominal Airflow Rate	<ul style="list-style-type: none"> Whisper: 90 CFM, 53 m³/hr Low: 100 CFM, 59 m³/hr Medium: 180 CFM, 305 m³/hr High: 300 CFM, 509 m³/hr
Dimensions:	<ul style="list-style-type: none"> 26.5"H x 11.5"W x 21.0"D 673mm H x 292mm W x 533mm D
Weight	48 lbs / 21.8 kg
Average Noise Level: (@ 1m)	<ul style="list-style-type: none"> Whisper: 43 dB(A) Low: 48 dB(A) Medium: 64 dB(A) High: 70 dB(A)
Power Cord	6 ft. 1.8m
Warranty	1 year limited

ActivePure® Technology is designed, engineered and produced in the U.S.A.

Quick Facts

The New Aerus Medical has been cleared by the FDA as a Class II Medical Device



- ActivePure® uses a proprietary technology proven to reduce methicillin-resistant staphylococcus epidermidis and erwinia herbicola bacteria, MS2 and Phi-X174 viruses and aspergillum niger fungal spores and bacillus globigii bacterial spores, with 4 – 6 log reduction in 60 minutes as tested.



Tested and effective on reduction of airborne contaminants



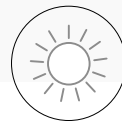
Portable, no installation required



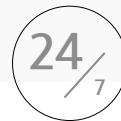
Whisper-silent operation



Easy-to-use control panel



Auto dimmable lights



Designed to operate unattended 24/7