

airocide®

DEVELOPED FOR NASA

Airocide Photocatalytic Air Purification System



Airocide Model Designations

Manufactured By:

airocide®
by SterilLumen

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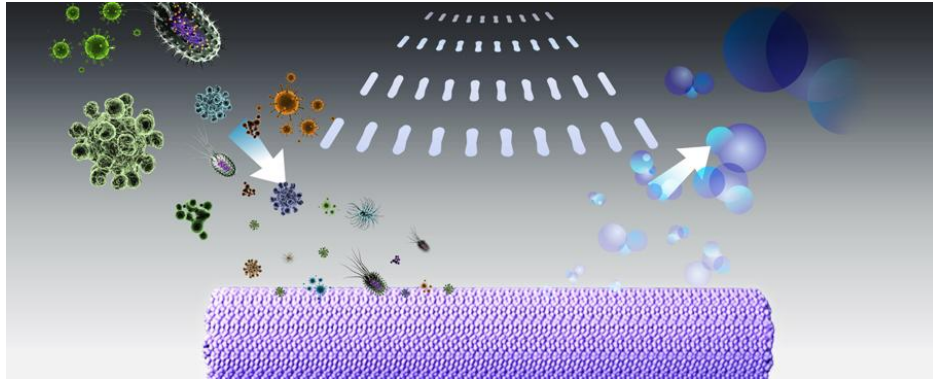


GCS-25
GCS-50
GCS-100

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www.airocide.com
www.industrial.airocide.com
(soon to be replaced to sterilumen.com)

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by SteriLumen



Technology

Airocide® Photocatalytic Air Purification System; developed to oxidize all airborne organic matter, even those too small to be filtered. Airocide's unique technology employs a reaction chamber packed with tiny silicone tubes encrusted with a highly reactive titanium dioxide catalyst. When energized by the system's 253.7 nanometer UVG lamps, water molecules are split and surface-bound hydroxyl radicals are formed. Any organic matter, no matter how small, that contacts these HO- radicals is instantly destroyed. Airocide is listed by the FDA as a Class II medical device and has been shown by independent Air Quality Labs to be free of any ozone emission. The process results in only trace amounts of pure water vapor and CO₂. Airocide oxidizes mold spores, mycotoxins, bacteria, viruses, VOCs (gasses) and Ozone on contact. Proven on the International Space Station and Space Shuttle flights, Airocide is simply the one that was developed for NASA. Airocide works.

Airocide® Systems - Product Specifications

	GCS-25	GCS-50	GCS-100
Dimensions (length x width x depth)	21" x 23" x 5" in.	29" x 23" x 5" in	42" x 24" x 5" in.
	51.5 x 56.5 x 11.5 cm	72.5 x 57.5 x 11.5 cm	107 x 59 x 11.5cm
Max Room Size	4000sqft	5000sqft	6650sqft
Recommendations			
Cleaning Capacity	925 m ³ /h	1150 m ³ /h	1530 m ³ /h
Cleaning Type	Automatic	Automatic	Automatic
Min Particle Removal Size	> 0.001µm	> 0.001µm	> 0.003µm
Cleaning Efficiency	99.99%	99.99%	99.97%
Gases Removal	Yes	Yes	Yes
Max Noise Level	42 dBa	46 dBa	50 dBa
Cover	Thermoform	Thermoform	Thermoform
Standard Color	White	White	White
Weight	19.03 lbs	37.04 lbs	64.15 lbs
Power	100-240Volt 50/60Hz	100-240 Volt 50/60Hz	100-240 Volt 50/60Hz
Amps	Maximum Current 1.0 Amp	Maximum Current 2.5 Amp	Maximum Current 5.0 Amp
Placement	*Mobile/ Wall or Ceiling Mount	*Mobile/ Wall or Ceiling Mount	*Mobile/ Wall or Ceiling Mount
Power Cord	7'-9'	7'-9'	7'-9'

* Trolley Mounted With Lockable Castors