

COMMERCIAL PORTABLE HEPA AIR CLEANER WITH ULTRAVIOLET LIGHT & PHOTO CATALYTIC FILTER

Description

- The Evolution Air 5-in-1 Commercial Portable HEPA Air Cleaner offers the ultimate in air filtration and sterilization. This patent-pending combination uses HEPA, UVC Germicidal Light (non ozone producing) and Photo Catalytic Oxidation. It removes and destroys allergens, lung damaging atmospheric dust, biological and chemical contaminants and odors, such as toluene, benzene, cooking odors, tobacco & cannabis smoke and odors, bacteria, viruses, mold and lots more.
- Ideal for commercial applications such as dental, medical, chiropractic, optometry, massage therapy, physiotherapy and laser/ Botox clinics, along with hair/ nail/ beauty salons, health and relaxation spas, classrooms, daycare centers, retail stores, reception areas, offices and lots more.
- Also ideal for light commercial and residential applications where there is construction/ renovation, smokers, animals or mold, water and sewer damage.

Standard Features

- Carbon Prefilter removes lint, hair and larger particles.
- Long-life, 99.97% HEPA Media Filter removes particles 0.3 micron (1/84,000 of an inch) and larger such as atmospheric and household dust, coal dust, insecticide dust, mites, pollen, mold spores, fungi, bacteria, viruses, dander, cooking smoke & grease, tobacco & cannabis smoke particles and more. The HEPA filter becomes more efficient as it becomes dirtier with time.
- Two UVC Germicidal Lights are enclosed in a Reflector which intensifies the UV rays.
- Unique CinQuartz® Photo Catalytic Oxidation Filter (PCO) has a very high surface exchange capability and allows UVC light into the mass of the material — means there is absorption throughout the whole filter instead of just on surface. The combination of the UVC light and the CinQuartz® decomposes organic materials into basic molecules such as H₂O and CO₂, and destroys viruses, bacteria and more.
- Carbon/ Potassium Permanganate Final Filter for removal of Volatile Organic Compounds (VOC's) and light gases.
- Powerful energy efficient, variable speed German motor delivers up to 250 CFM of pure air.

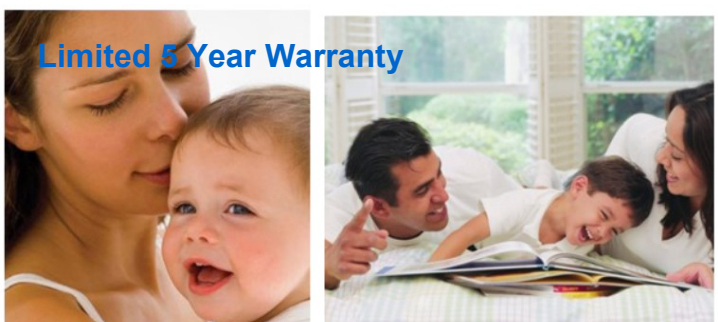
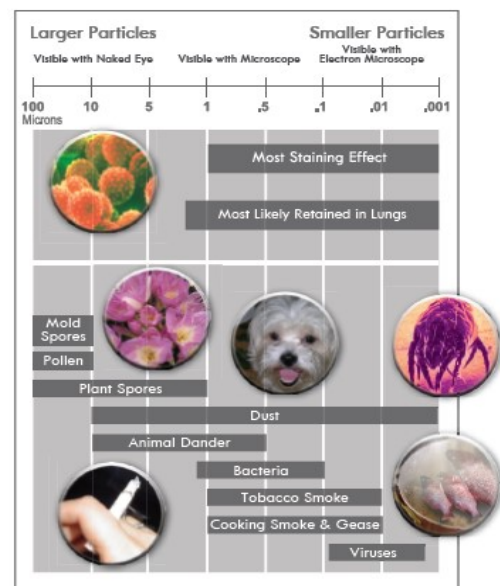


- Plug-in Power Cord provides convenient electrical connection.

Cabinet Construction

- One piece wrap, steel cabinet has TGIC environmentally-friendly powder-coat paint finish to provide long life and durability. Easy to wipe clean.

POLLUTION CHART



Limited 5 Year Warranty

SPECIFICATIONS

MODEL	EVSA900VS	
Air Flow: Variable Speed Motor Control	Up to 250 cfm	Up to 425 m ³ /hr
Carbon Prefilter: DM900-0855 Removes lint and large particles	Replace every 3-6 months	
Long-Life, 99.97% HEPA Media: DMH4-0400 Removes pollutants 0.3 micron	40 ft ² Replace every 2-4 years	3.7 m ² Replace every 2-4 years
Germicidal UVC Light: DM900-0191 Strongest light intensity kills bacteria, viruses, mold, fungi, allergens	2 Bulbs Replace every 13,000 hours or 2-3 years	
CinQuartz[®] Substrate PCO Filter: DM900-0450 Removes Volatile Organic Compounds (VOC's)	Replace every 13,000 hours or 2-3 years	
Carbon/ Potassium Permanganate Final Filter: DM900-0810 Removes VOC's and light gases	Replace every 1 year	
Complete 2-3 Year Maintenance Kit: DM900-1003 Contains 1 HEPA Filter, 4 Carbon Prefilters, 2 UVC Lamps, 1 Photo Catalytic Oxidation (PCO) Filter, 2 Carbon/ Potassium Permanganate Final Filters, gloves	Replace every 2-3 years	
Cabinet Dimensions: H x W x D	29.5 x 16.25 x 12.75 in	74.9 x 41.3 x 32.4 cm
Input Voltage	120 V 60 hz	
Power Consumption	200 watts	
Power Cord	10.0 ft	3.05 m
Unit Weight	47 lbs	21.3 kg

HOW IT WORKS

The air passes through a pleated Carbon Prefilter which removes lint and large particles to extend the life of the HEPA filter.

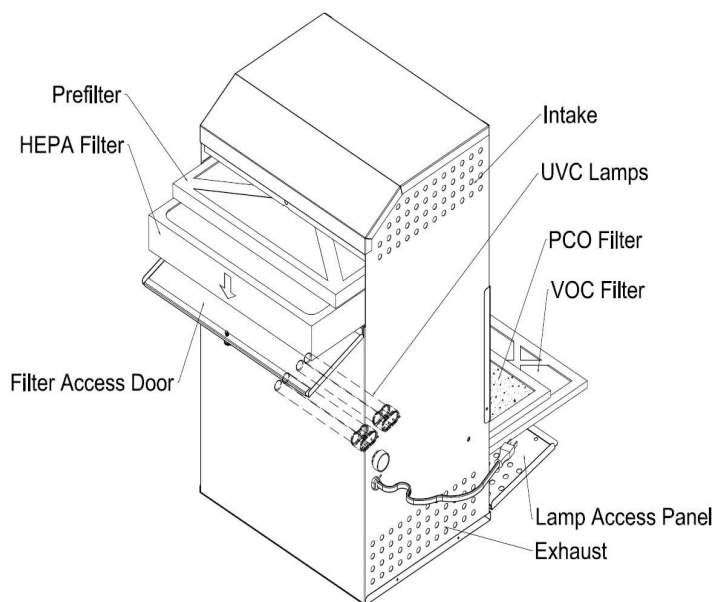
Smaller particles then pass through a long-life, 99.97% HEPA (High Efficiency Particulate Air) Media Filter which captures particles 0.3 micron (1/84,000 of an inch) and larger.

The clean air passes through a reflection chamber where two Ultraviolet Germicidal Lamps emit powerful UVC light rays which are designed to kill or inhibit bacteria, viruses, mold, fungus and microbial growth. These are non-ozone producing lamps. The Ultraviolet Lights are also used to activate the unique CinQuartz Media located below the UVC lamps.

The Photo Catalytic Oxidation (PCO) Filter is a Quartz media coated with nanoparticles of Titanium Dioxide (TiO₂). The combined action of the UVC light and the TiO₂ decomposes organic materials into basic molecules such as H₂O and CO₂ and reduces odors and VOC's as a result. The filter is self-cleaning and also destroys the DNA of viruses, bacteria, mold, etc.

A Carbon/ Potassium Permanganate Final Filter further reduces VOC's and light gases.

Clean air is discharged.



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