

TECHNICAL SPECIFICATIONS

Whole-House Duct Mount Hepa Air Cleaner With Ultraviolet Light & Photo Catalytic Filter

The CinQuartz® by Nortek Global HVAC 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 formaldehyde, toluene, benzene, cooking odors, tobacco smoke, bacteria, viruses, mold and lots more. Ideal for residential and light commercial applications where there are allergy, asthma or respiratory sufferers, new construction odors, smokers, pets, cooking odors, mold, water and sewer damage. Ideal for residential and light commercial applications where there are allergy, asthma or respiratory sufferers, new construction odors, smokers, pets, cooking odors, mold, water and sewer damage.



WARRANTY

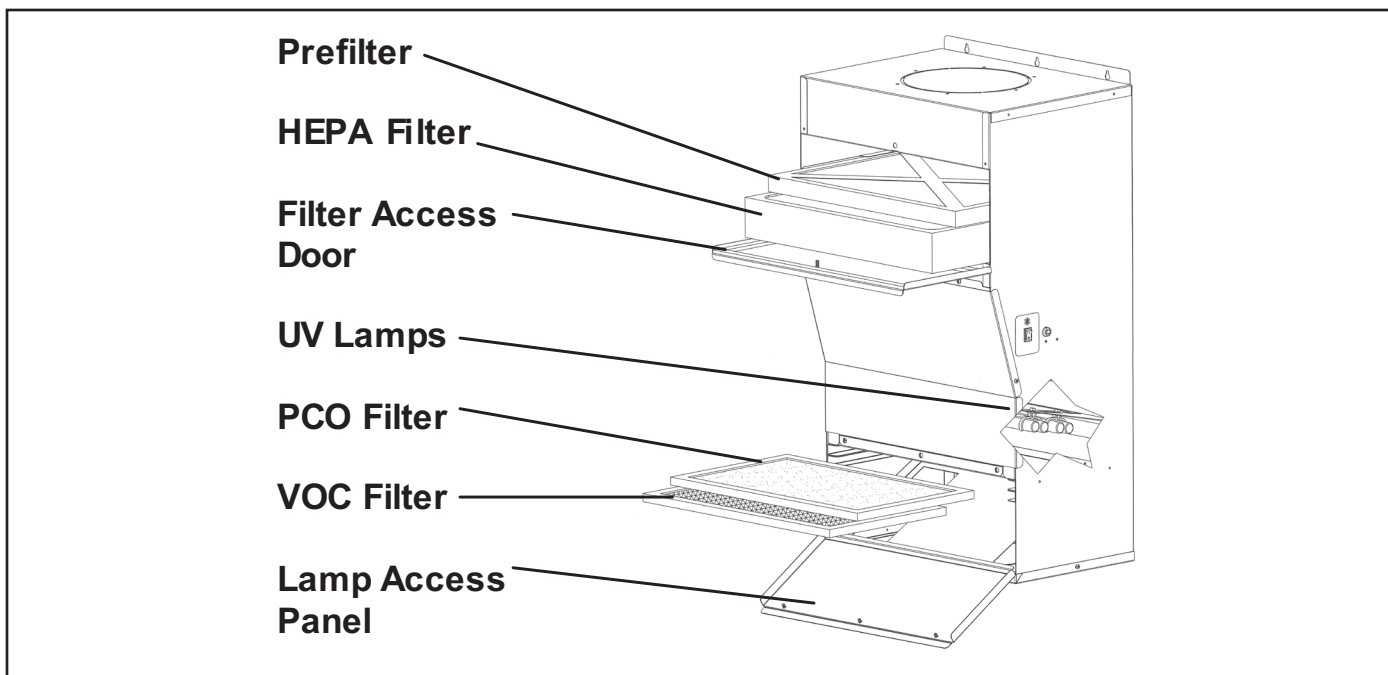
- 5 Year Limited Warranty

FEATURES and BENEFITS

- **Carbon Prefilter:** Protects the HEPA filter while removing 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, pet dander, cooking smoke and grease, tobacco smoke particles and more. The HEPA filter becomes more efficient as it becomes dirtier with time.
- **Two UV Germicidal Lights:** 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 UV light into the mass of the material — means there is absorption throughout the whole CinQuartz filter instead of just on the surface. The combination of the UV light and the CinQuartz decomposes organic materials into basic molecules such as H₂O and CO₂.
- **Carbon/Potassium Permanganate Final Filter:** For removal of Volatile Organic Compounds (VOC's) and light gases.
- **Powerful Motor:** Delivers 250 CFM of pure air, without adding static pressure to the HVAC system.
- **Plug-In Power Cord:** Provides convenient electrical connection.
- **Versatile Installation:** Can be duct mounted or collar mounted.

Cabinet Construction Features

- **One Piece Wrap, Steel Cabinet:** Has powder-coat paint finish to provide rigid installation and durability.
- **Pre-Punched Openings at Back of Unit and Mounting Template:** Are provided for easier duct mount installation; no external ducting required.
- **Pre-Punched Openings at Top and Bottom of Unit:** Facilitate collar mount installation.



REPLACEMENT FILTERS & LAMPS

PART NUMBER	DESCRIPTION	REPLACE EVERY
FSDMH40400	HEPA Media Filter	2-3 years
FSDM9000855	Prefilter, Carbon	3-6 months
FSDM9000191	UV Lamp	2 years
FSDM9000450	Photo Catalytic Oxidation (PCO) Filter	2 years
FSDM9000810	Final Filter, Carbon/ Potassium Permanganate	1 Year
FSDM9001002	UV Lamp & PCO Filter Kit: Contains 2 UV lamps and 1 PCO filter, gloves	See above
FSDM9001003	Complete 2 Year Filter Kit: Contains 1 HEPA Filter, 4 Carbon Prefilters, 2 UV Lamps, 1 Photo Catalytic Oxidation (PCO) Filter, 2 Carbon/ Potassium Permanganate Final Filters, gloves	2 Years

SPECIFICATIONS

MODEL	01-1256	
Airflow	250 CFM	425 m³/hr
Carbon Prefilter: Removes lint and large particles	Replace every 3-6 months	
Long-Life, 99.97% HEPA Media: Removes pollutants 0.3 micron	40 ft² Replace every 2-3 years	3.7 m² Replace every 2-3 years
Germicidal UV Light: Strongest light intensity kills bacteria, viruses, mold, fungi, allergens	2 Bulbs Replace every 13,000 hours or 2 years	
CinQuartz® Substrate PCO Filter: Removes Volatile Organic Compounds (VOC's)	Replace every 13,000 hours or 2 years	
Carbon/ Potassium Permanganate Final Filter: Removes VOC's and light gases	Replace every 1 year	
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
Intake Duct Fitting	14.5 x 3.75 in or 8 in (dia)	36.8 x 9.5 cm or 20.3 cm (dia)
Outflow Duct Fitting	14.5 x 4.37 in or 8 in (dia)	36.8 x 11.1 cm or 20.3 cm (dia)
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

Millions of airborne pollutants are carried through the return air ducts of the heating/cooling system. The Air Cleaner has been designed to be installed on the return air duct. A portion of this return air is by-passed through an opening on the rear of the unit and passes through a 4-stage filtration system.

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 UV lamps.

The Photo Catalytic Oxidation (PCO) Filter is a Quartz media coated with nanoparticles of Titanium Dioxide (TiO₂). The combined action of the UV light and the TiO₂ decomposes organic materials into basic molecules such as H₂O and CO₂ and reduces odors and VOC's as a result.

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

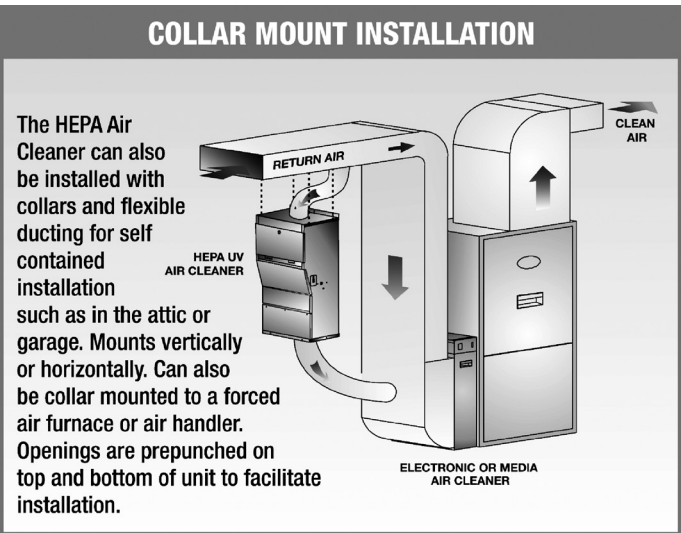
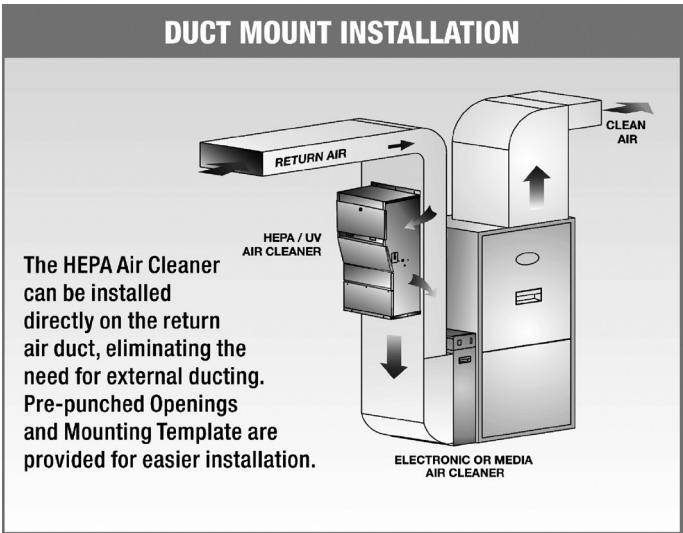
Clean air is discharged back into the return air duct.

The 01-1256 will provide the following whole house/room air changes per day in these sized areas.

1000 ft² (93 m²)	45
1200 ft² (112 m²)	38
1400 ft² (130 m²)	32
1600 ft² (149 m²)	28
1800 ft² (167 m²)	25
2000 ft² (186 m²)	23

The stands below allow the unit to be used for stand-alone applications such as hair and nail salons, waiting rooms, doctor and dentist offices, day care centers, nursing homes, animal clinics or where venting to HVAC system is not possible.

Part No.	Description
FSDM9001001	Stand for 01-1256, includes intake & exhaust grilles, Powder Coat Paint Finish
FSDM9001006	Stand with Wheels for 01-256, includes intake & exhaust grilles, Powder Coat Paint Finish



Performance of the Air Cleaners will depend on house plan design, duct design and heating/cooling equipment.



GENERAL TERMS OF LIMITED WARRANTY

Nortek Global HVAC, LLC will furnish a replacement for any part of this product which fails in normal use and service within the terms and conditions of the warranty.

For complete details of the Limited Warranty, including applicable terms and conditions, see your local installer or contact the Nortek Global HVAC, LLC warranty department for a copy.

Before purchasing this appliance, read important energy cost and efficiency information available from your retailer. Specifications and illustrations subject to change without notice and without incurring obligations. Printed in U.S.A (05/2019)