

TECHNICAL SPECIFICATIONS

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

The CinQuartz® by NORDYNE 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

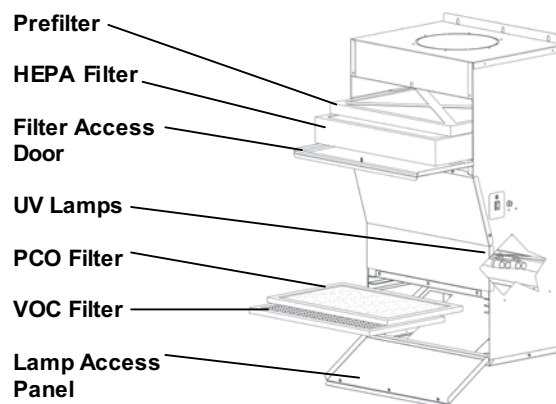
FEATURES and BENEFITS

- 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 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 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 | |
|---|--|-----------------------------------|
| Air Flow | 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.

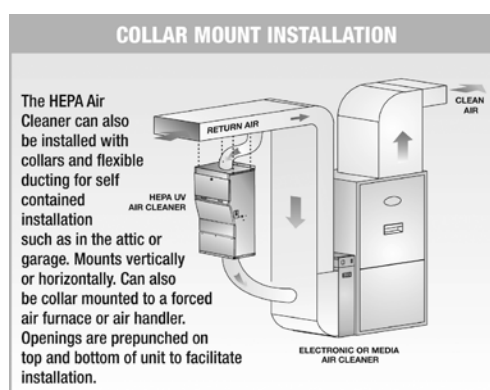
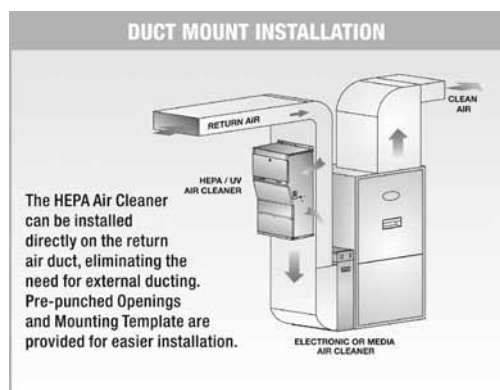
Clean air is discharged back into the return air duct.

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 |



Manufacturer reserves the right to discontinue or change at any time, specifications or designs without notice or without incurring obligations. Performance of the Air Cleaners will depend on house plan design, duct design and heating/cooling equipment.