

Fantech

Air Cleaning and Air Transfer Solutions
with CM / DM Series Filter Cabinets

There is definitely a need for clean indoor air...

The EPA estimates that the air in your home can be as much as 10 times more polluted than outside air.

Asthma affects more than 23 million Americans, including an estimated 6 million children

Nasal allergies affect more than 50 million people in the U.S.

Most people spend more than 90% of their time indoors

Asthma and nasal allergy triggers include mold spores, pollen, animal dander and dust mites

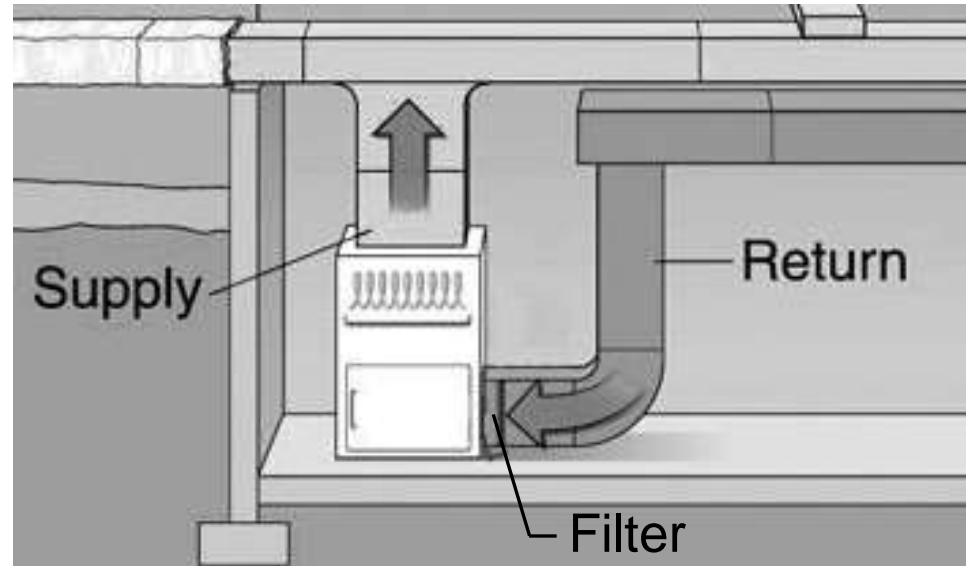
The retail market is littered with air “purifying” products, but...

- Homeowners are wary, as they should be, of gimmick air purifiers and portable air cleaners.
- How effective are these things?
- What about the other rooms in the home?



Central, Ducted HVAC Systems

- A central, ducted HVAC system will typically include only a nominal level of filtration, since a high efficiency filter would impede the proper flow of air.
- ***Nominal filtration might not be adequate for occupants with asthma, allergies, and other sensitivities to airborne particulate matter.***



The flow of return air is entirely drawn through the system filter, which can reduce the flow rate of the system.

Air Cleaning Solutions for Ducted, Central HVAC Systems

- How about an air cleaning solution that is connected to the HVAC system which ***serves the entire house?***
- One that is installed by a trusted ***HVAC professional....***
- *...and one that doesn't restrict the HVAC system's performance...*
- *...and one from a reputable brand of ventilation products.*



Air Cleaning Solutions for Ducted, Central HVAC Systems

Fantech's CM / DM Series Filter Cabinet Models

- HEPA filtration removes 99.97% of particles 0.3 microns in size
 - Mold spores (3-10 microns)
 - Pollen (6-100 microns)
 - Pet dander (12-100 microns)
 - Dust mites (200-300 microns)
- Includes pre- and carbon filters
- Includes a 240 CFM fan
- Operates in a bypass arrangement, such that it does not impact the performance of the central HVAC system's blower
- Cleans the air in a 2200 sq. ft. house once per hour



Cut-away View

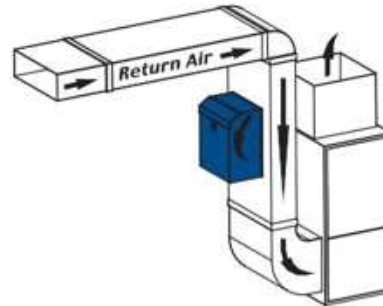
*All models are powered
via a 5'-long, 120V cord*

Air Cleaning Solutions for Ducted, Central HVAC Systems

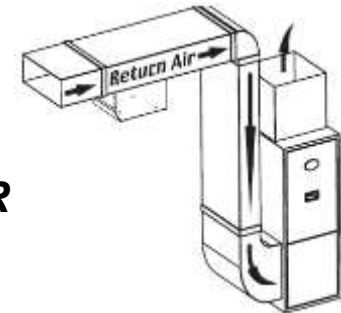


Model DM 3000P

Mounts directly onto
the return duct plenum

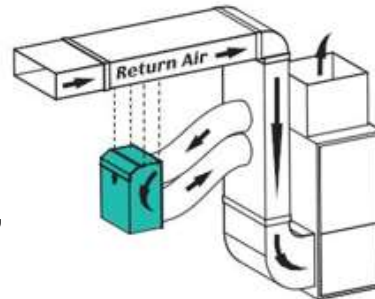


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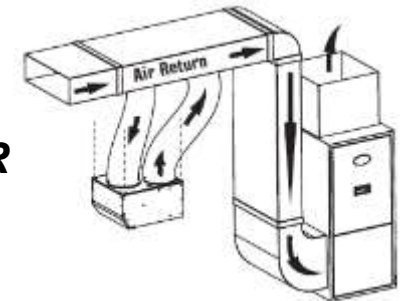


Model CM 3000

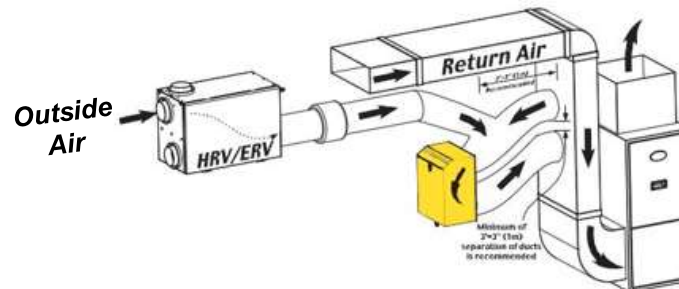
Independently suspended,
connects to the system
via 8" ducts



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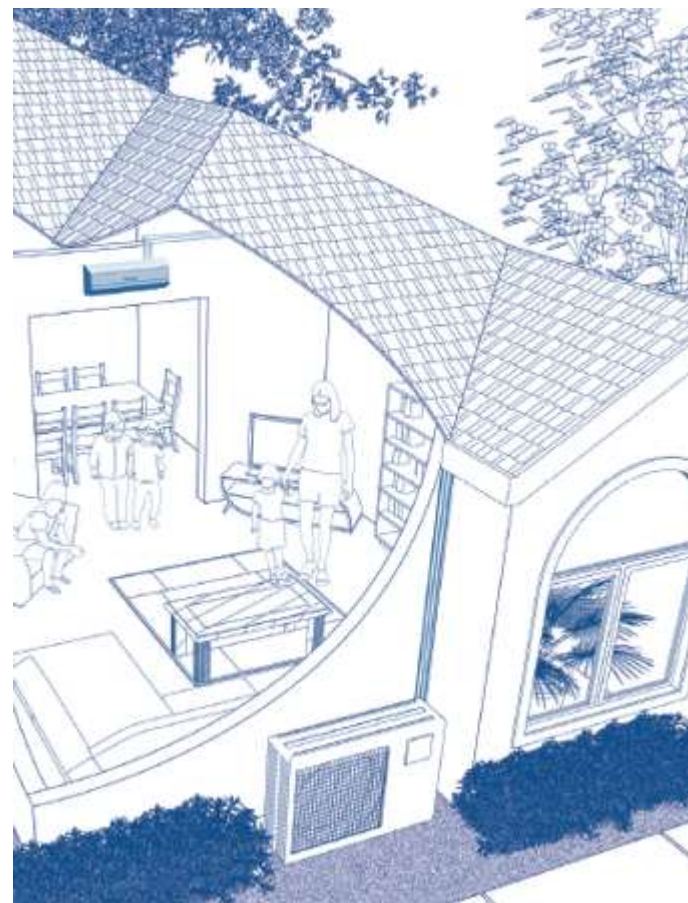


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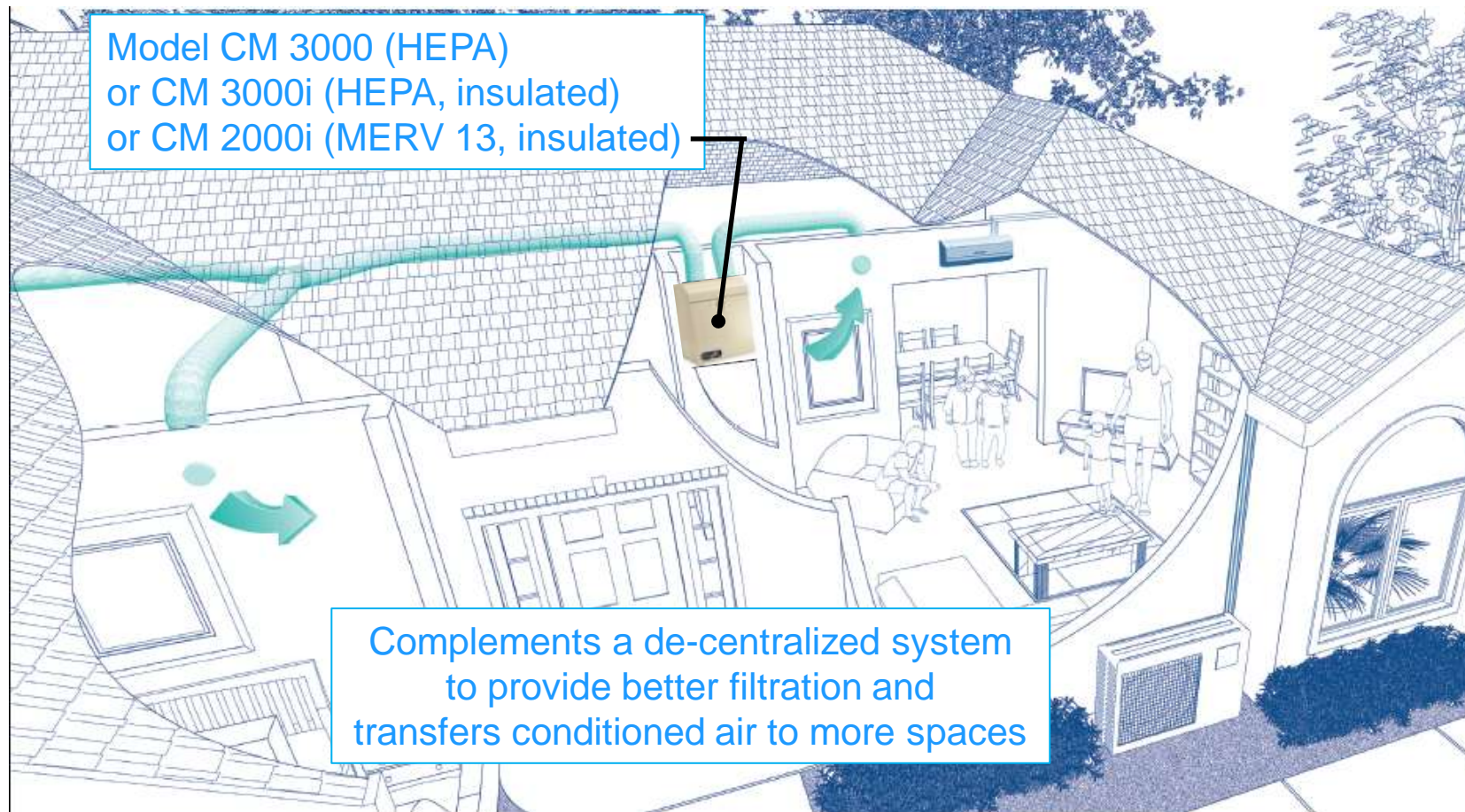


Air Cleaning and Transfer Solutions for Ductless HVAC Systems

- Ductless heating and cooling systems and other de-centralized systems provide comfort for a variety of applications.
- However, ***such systems provide minimal filtration*** for the spaces they serve.
- And, since conditioned air is delivered only to the spaces where terminal units are located, ***spaces not directly conditioned can become uncomfortable.***

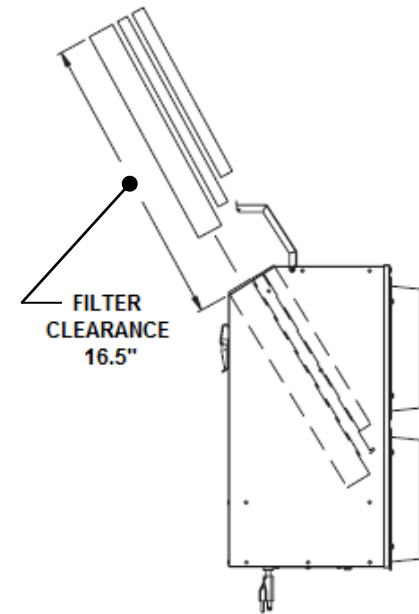


Air Cleaning and Transfer Solutions for Ductless HVAC Systems







Some Installation Notes

- Install unit in a location where there is clearance for filter removal and replacement.
- If unit is located in an **unconditioned space**, utilize model CM 3000i (HEPA filtration) or model CM 2000i (MERV 13 filtration), both of which include an insulating jacket to prevent the formation of condensation on the cabinet.



Model CM 3000i
or
Model CM 2000i

Fan-powered Filter Cabinet - Models CM & DM
Quick Reference Guide (current as of March 19, 2018)

Item #	Item (Model) Name	Description	List Price	Filter Media Included				Other Items Included
				Pre-filter	Carbon	MERV 13	HEPA	
40217	DM 3000P 	HEPA filter cabinet, fan-powered, for mounting directly onto a rectangular plenum duct	\$ 519	Qty 1	Qty 1	n/a	Qty 1	Cabinet back panel with air inlet/outlet openings for direct mounting of unit onto a rectangular duct; Continuous/Off/Standby switch and pressure switch
40219	CM 3000 	HEPA filter cabinet, fan-powered, w/ 8" inlet/outlet duct collars	\$ 519	Qty 1	Qty 1	n/a	Qty 1	Suspension hardware, four 8" round port collars, two pieces of uninsulated 8" flexible duct
40220	CM 3000i 	HEPA filter cabinet, fan-powered, w/ 8" inlet/outlet duct collars and insulating jacket	\$ 519	Qty 1	Qty 1	n/a	Qty 1	Suspension hardware, two 8" round port collars, cabinet insulation jacket
44928	CM 2000i 	MERV 13 filter cabinet, fan-powered, w/ 8" inlet/outlet duct collars and insulating jacket	\$ 475	n/a	n/a	Qty 1	n/a	Suspension hardware, two 8" round port collars, cabinet insulation jacket








Features Common to All Models: Requires 115V / 1~ / 60 Hz power via integral 5-foot power cord.
240 CFM @ 0.4" w.c. static pressure.
External rotor motor with centrifugal, backward curved fan wheel.
Hinged filter access door with spring latch.
7-year warranty on motor; 5-year warranty on cabinet parts (no filter warranty)

Note: List Price is subject to change; reference most current list pricing information.

Fantech Fan-powered Filter Cabinet - Models CM & DM

Replacement Filter Guide (current as of March 19, 2018)

Item #	Item (Model) Name	Description	List Price	Filter Media Included				For Filter Cabinet Models
				Pre-filter	Carbon	MERV 13	HEPA	
40195	RPFH 1315 	Replacement filter combination pack (includes 1 pre-filter and 1 carbon filter)	\$ 40	Qty 1	Qty 1	n/a	n/a	DM 3000P CM 3000 CM 3000i
40196	RPFH 1315B 	Bulk quantity of replacement filter combination pack (includes 24 of RPFH 1315)	\$ 720	Qty 24	Qty 24	n/a	n/a	DM 3000P CM 3000 CM 3000i
40193	RHF 16 	Replacement HEPA filter	\$ 130	n/a	n/a	n/a	Qty 1	DM 3000P CM 3000 CM 3000i
40194	RHF 16B 	Bulk quantity of replacement HEPA filter (includes 12 of RHF 16)	\$ 1,085	n/a	n/a	n/a	Qty 12	DM 3000P CM 3000 CM 3000i
44930	RMF 16B 	Bulk quantity of replacement MERV 13 filter (includes 25 filters)	\$ 485	n/a	n/a	Qty 25	n/a	CM 2000i



Features Common to All Models: Filters do not have dimensions that are typical of standard, off-the-shelf filters. Filter dimensions are 15.5" x 16"

Note: List Price is subject to change; reference most current list pricing information.



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a systemair company