



CC500-VHU

Air Purifier/Isolation Unit



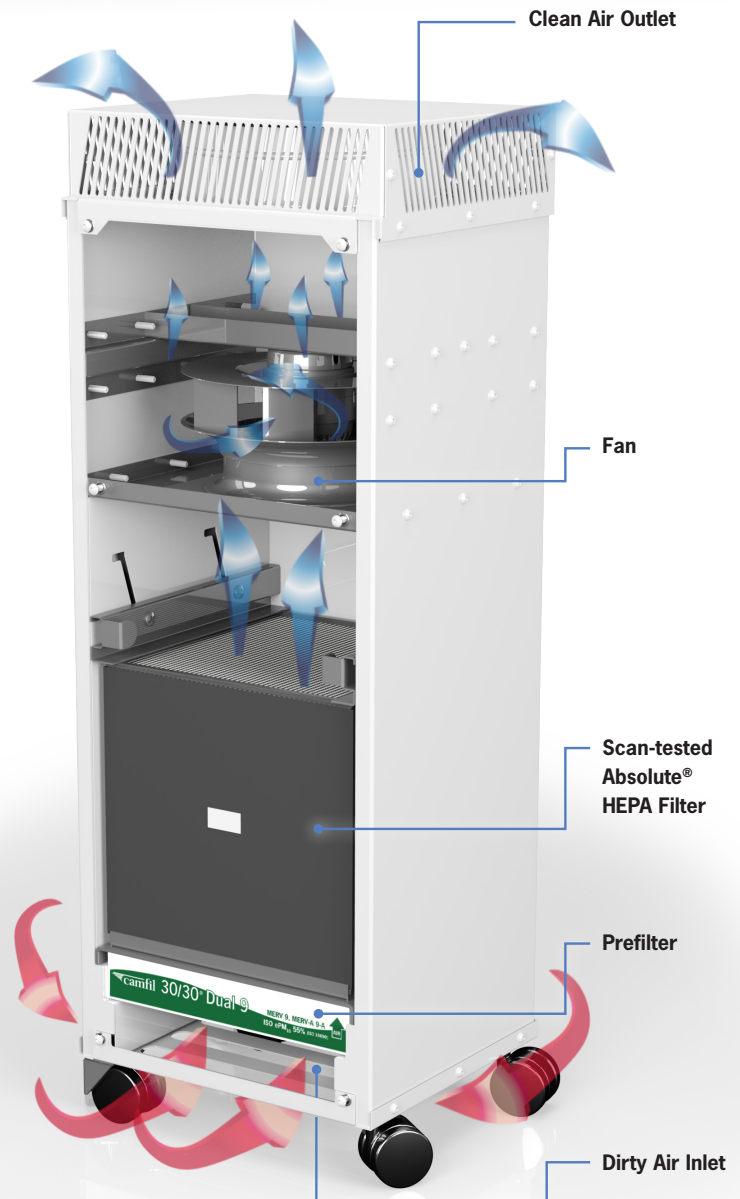
The Camfil CC500-VHU can direct up to 500 cubic feet of air per minute through a 99.99% HEPA filter as an in-room recirculation air purifier or can be configured to exhaust HEPA filtered air in negatively pressurized isolation areas. The versatile, all aluminum unit can be rolled into position, mounted on a wall or ceiling, or interstitially mounted horizontally in a ceiling. The quiet motor operates on a standard 120-volt three-prong outlet and includes a multispeed control switch to maintain desired airflow.

Camfil CC500-VHU:

- The backward curved fan delivers up to 12 air changes per hour (ACH) in 2500 ft³ as an in-room HEPA air purifier
- Optional 2" MERV 9A prefilter to extend HEPA (gasket or gel versions) service life
- Easy access filter replacement
- Bottom air intake with purified air exhausted through slotted vent cap or optional duct
- Cabinet dimensions: 34" tall x 12.5" wide by 14" deep; cabinet with casters and outlet plenum: 40" tall
- The hospital-grade cord set plugs into any standard 120-volt three-prong electrical outlet and draws maximum 2.5 amps while running, 3.5 amps at startup
- Weighs 50 lbs including filters
- Available with smooth rolling caster wheels for portability
- Mounting kit provided for wall or ceiling-mount configurations
- Available in white

Available Operating Configurations:

- In-room recirculation: Upright with perforated plenum and caster wheels, air intake through bottom
- In-room exhaust: Upright on caster wheels with 10" diameter outlet slip collar installed on top
- Interstitial recirculation/exhaust: Mounted with bracket kit, inlet and outlet collars installed



Configurations and Filters

Contact factory for additional models.

Part Number	Description
M21VH05012	CC500-VHU Gasket Seal, In-room Recirculation
M21VH05013	CC500-VHU Gasket Seal, In-room Exhaust
M21VH05033	CC500-VHU Gasket Seal, Interstitial Recirc/Exhaust
M21VH05112	CC500-VHU Gel Seal, In-room Recirculation
M21VH05113	CC500-VHU Gel Seal, In-room Exhaust
M21VH05133	CC500-VHU Gel Seal, Interstitial Recirc/Exhaust
406331099	30/30® Dual 9 Replacement Prefilter
855211681	Absolute® XH Gasket Seal Replacement HEPA
855210933	Absolute® XH Gel Seal Replacement HEPA

Physical and Technical Specifications

Height (inches)	34 (40" with casters & exhaust plenum)
Width (inches)	14
Depth (inches)	12.5
Weight (pounds) including installed filters	50
Minimum Ambient Operating Temperature	-20 F
Maximum Ambient Operating Temperature	140 F

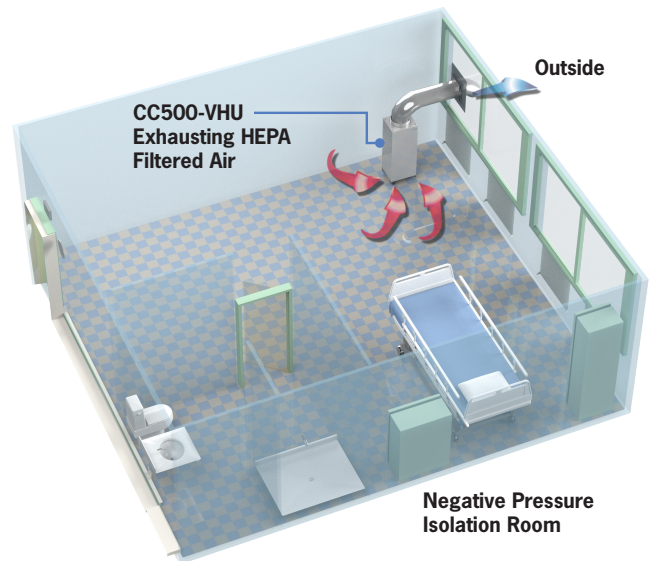
Electrical Data

Operating Voltage	120 Volts
Frequency	50/60 Hz
Motor Speed	2900 RPM (max)
Power	250 Watts (max)

Airflow Specifications

Configuration	Max Airflow (cfm)
Prefilter and HEPA	425
HEPA Only	500

Airflow range: 50 - 500 CFM



CC500-VHU Air Purifier/Isolation Unit Specification

1.0 General

1.1 – Air purifier shall be a lightweight and compact multi-configurable self-contained unit with fan, two stages of filtration, minimum MERV 8/8A prefilter and high capacity HEPA filter. Unit shall be able to be configured to install and operate as an in-room recirculation device, interstitial room recirculation device or in-room exhaust for a negative pressure isolation device.

2.0 Construction

2.1 – Unit enclosure shall be of painted aluminum construction with removable front panel to facilitate air filter module filter replacement. The enclosure shall have an inlet screen and allow air intake from all four sides to treat air from the conditioned space.

- For in-room recirculation configurations, the enclosure shall include perforations on all four sides of the ventilation cap to exhaust HEPA filtered air into the conditioned space for retreatment. There shall be four exhaust outlets at the top of the purifier to allow 360-degree distribution of purified air to the conditioned space. There shall be four non-marking lockable swivel casters on the inlet side of the unit.
- For in-room exhaust configurations, the unit shall have a slip collar on the exhaust side for attaching exhaust duct and shall be equipped with an inlet configuration as used for in-room recirculation configurations.
- For interstitial room recirculation configurations, the enclosure shall have a slip collar for attaching recirculation duct. The unit shall have integrated hardware to allow suspension in the interstitial space.

2.2 – The unit shall have accommodated two stages of filtration. One filter stage shall hold a nominal 2" prefilter and stage shall hold a nominal 12" deep high capacity HEPA filter. The HEPA filter track shall have a filter clamping mechanism to allow for positive seal in either the gel or gasket seal configurations.

2.3 – The HEPA filter shall have a minimum efficiency of 99.99% at a particle size of 0.3 microns and be individually certified by the manufacturer for tested performance on an identification label that includes the filter's serial number for reference.

2.4 – The prefilter shall have a Minimum Efficiency Reporting Value of MERV 9 when evaluated under the guidelines of ASHRAE Standard 52.2. It shall also have a MERV-A of 9 when tested per Appendix J of the same standard. The filter shall have an eMP₁₀-55 value when tested under ISO Standard 16890. The media shall maintain or increase in efficiency over the life of the filter.

2.5 – A fan shall be located between the filter section and the outlet section and be capable of delivering an airflow to the conditioned space that ranges from 50 cubic feet per minute to 500 cubic feet per minute. The fan shall be controlled through the use of a solid-state control capable of adjusting the output from the range of aforementioned airflows. Maximum sound produced by the unit shall be no more than 53 dBA at minimum airflow setting and no more than 63 dBA at maximum airflow setting.

2.6 – A standard six-foot hospital-grade power cord with a 15A three-prong electrical connection shall be provided. Electrical requirements shall not exceed 250 watts at 120 VAC.

Manufacturer shall warrant the unit to be free from defects for a period of one year from date of installation.

For detailed specifications, please consult your local Camfil distributor, representative, or www.camfil.com.

Camfil has a policy of uninterrupted research, development, and product improvement. We reserve the right to change designs and specifications without notice.