



# CamSorb® Pleated V-Cell Cartridge Filter

Pleated Panel V-Cell Particulate + Carbon Filter With Header



Improve indoor air quality and reduce building energy costs by controlling dust, pollution and odors with a single filter.

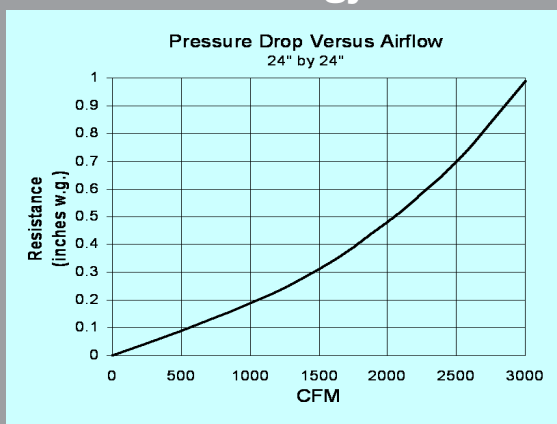
The CamSorb Pleated V-Cell Cartridge Filter is designed to fit in place of existing 12" deep filters within an air-handler. Use of the CamSorb Pleated V-Cell Particulate + Carbon Cartridge Filter for dust, pollution and odor control. The filter also allows make-up air intake flow to be lowered, thereby significantly reducing operating costs associated with the energy purchased for heating and cooling that make-up air. This method for contaminant removal is specifically prescribed in ASHRAE Standard 62 - Ventilation for Acceptable Indoor Air Quality.

The CamSorb Pleated V-Cell Cartridge high efficiency particulate (MERV 15) plus carbon adsorber filter is recommended for control of indoor and ambient airborne pollution and odors in offices, shops, sports halls, concert halls, hotels, banks, and schools. The acid gas model is recommended for control of airborne pollution in sensitive applications including museums, clinics and airports. The filters are designed for both make-up and air recirculation applications.

Indoor sources of chemical contamination include: carpets, photocopiers, cleaning products, paint odor, wood finishes, padded furniture, dry cleaned clothes, and human occupants. Outdoor chemical contamination is controlled from sources that include: traffic, power stations, incinerators, sewerage treatment facilities, forest fires, industrial plants, and agricultural treatments. CamSorb™ Pleated V-Cell Cartridge Filters:

- Offer low resistance to airflow.
- Emit no carbon dust.
- Feature a polystyrene frame with a 1-inch mounting header.
- Are completely incinerable.
- Include Camfil Farr's exclusive Rapid Adsorption Dynamic (RAD) carbon featuring very small granules that promote extremely rapid and efficient collection of target pollutants and odors within a compact filter design.
- Includes a pleated filter media for particulate removal that is MERV 15 per ASHRAE Standard 52.2.

**Innovative adsorber cartridge with MERV<sup>1</sup> 15 particle capture efficiency improves IAQ and reduces energy costs.**

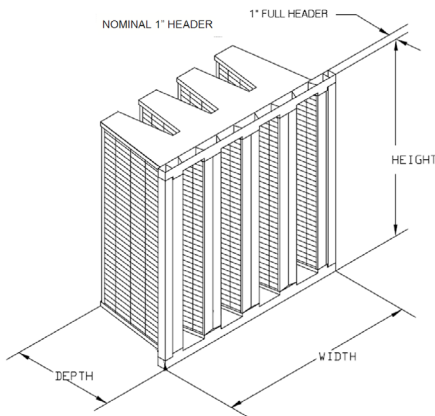


Camfil Farr's Pleated V-Cell Cartridge offers low pressure drop and will not tax system airflow.

<sup>1</sup> MERV Minimum Efficiency Reporting Value per ASHRAE Standard 52.2

## Performance Data

Model	Actual Size H x W x D (inches)	Capacity	Initial Resistance (inches w.g.)	Media Area	MERV	Shipping Weight (Lbs)
<b>For Standard HVAC Applications</b>						
OPKCC 242412/21-85-0	23.38 x 23.38 x 11.50	2000	0.48	86.1	15	24
OPKCC 242012/21-85-0	19.38 x 23.38 x 11.50	1650		71.0		21
OPKCC 241212/21-85-0	11.38 x 23.38 x 11.50	1000		37.7		12
<b>For Acid Gas Applications</b>						
OPKCC 242412/21-85-ACID-0	23.38 x 23.38 x 11.50	2000	0.48	86.1	15	24
OPKCC 242012/21-85-ACID-0	19.38 x 23.38 x 11.50	1650		71.0		21
OPKCC-241212/21-85-ACID-0	11.38 x 23.38 x 11.50	1000		37.7		12



RAD Media

## Specifications

### 1.0 General

**1.1** - Air filters shall be compact 12" deep adsorbent type with combination sorbent/particulate removal media, impact-resistant plastic end caps, plastic vertical support channels, and a nominal 1" header for front or side-access applications.

**1.2** - Sizes shall be as noted on drawings or other supporting materials.

### 2.0 Construction

**2.1** - Filter media shall be specifically manufactured for the removal of molecular and particulate contaminants. Sorbent shall be broad spectrum grade of carbon incorporating Rapid Adsorption Dynamics (RAD) designed for the removal of a wide range of odors, VOCs and acid gases.

**2.2** - Total media area shall be at least 0.038 square feet per rated cfm of filter.

**2.3** - The media shall be formed into uniform pleats using hot-melt separators, assembled into multi media packs and bonded into a high-impact resistant plastic frame to prevent air bypass.

### 3.0 Performance

**3.1** - Resistance to airflow shall not exceed 0.48 inches w.g. at 500 feet per minute velocity.

**3.2** - The media shall have a particulate removal efficiency of MERV of 15 when tested per ASHRAE Standard 52.2.

**3.3** - Manufacturer shall provide evidence of facility certification to ISO 9001:2000.

Filters shall be Camfil Farr CamSorb pleated V-Cell Cartridges or equal.

For detailed specifications please consult your local Camfil Farr Distributor or Representative or [www.camfilfarr.com](http://www.camfilfarr.com).

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

