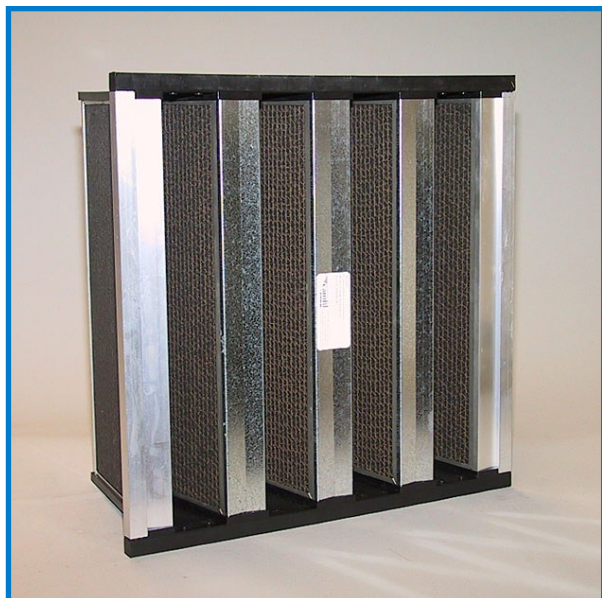
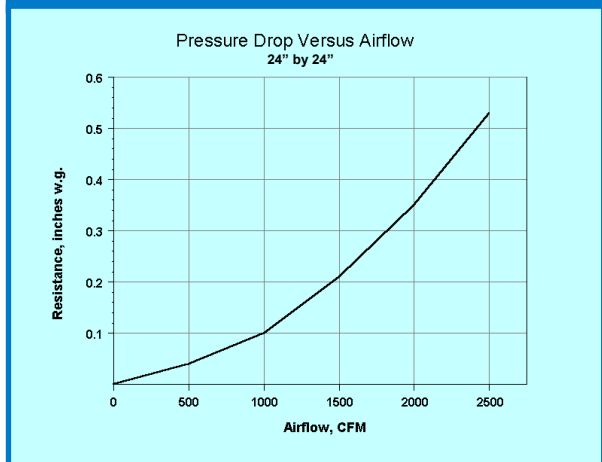


Camsorb CH Loose-Fill V-Cell Cartridge

Loose-Fill V-Cell Sorbent Panel Cartridge Filter With Header



Cost effective filter for control of odors and outdoor pollution



Data for 24" by 24" configuration



The Camsorb CH Loose-Fill V-Cell Cartridge is recommended for reduction of modest occupancy odor loads, peak-shaving* of ambient air pollutants, and continuous control of low-level gaseous contaminants in make-up and air recirculation applications.

The Camsorb CH Loose-Fill V-Cell Cartridge may be installed in any HVAC application where the use of outside air for contaminant dilution is burdensome and cost-prohibitive to the building operator. Use of the Camsorb CH Loose-Fill V-Cell cartridge for contaminant adsorption and removal allows for minimal introduction and conditioning of outside air, thereby significantly reducing energy costs associated with heating and cooling of required make-up air where a sorbent filter is not applied. This method for contaminant removal is specifically prescribed in the ASHRAE Standard 62, *Ventilation for Acceptable Indoor Air Quality*.

Each Camsorb CH Loose-Fill V-Cell Cartridge features:

- Lightweight and compact honeycomb panels containing the sorbent media, mounted in a plastic frame for easy installation and disposal
- Nominal 1-inch mounting header
- Low resistance to airflow (nominal 0.38" w.g. at 500 fpm)
- 65% initial mechanical removal efficiency.

To maximize sorbent lifetime, install a minimum MERV 10 efficiency particulate filter upstream of the cartridge (to control carbon dusting, install a second particulate filter downstream).

Camsorb CH Loose-Fill V-Cell cartridges may be installed in front-access built-up filter banks, or in two-stage 3P Glide/Pack® or 6P Glide/Pack side-access housings with a minimum 12 inch depth. (Order special 3P glide/pack with extra column reinforcement for stacked applications.)

Available with activated or impregnated carbon, potassium permanganate or blends.

Specialized sorbents are available. Consult the factory.

* Peak-shaving describes the reduction of airborne molecular contaminants during high or intermittent periods of contaminant generation to concentrations below human sensory detection, or industry/government defined thresholds.

Camfil Farr	Product sheet
Camsorb™ CH	2113 - 0606
Camfil Farr—clean air solutions	

PERFORMANCE DATA

Camsorb™ CH Loose-Fill V-Cell Cartridge

Camsorb CH Model	Actual Size H x W x D (inches)	Bed Thickness (inches)	Airflow Capacity (500 fpm)	Resistance @ Capacity (inches w.g.)
242412	23.38 x 23.38 x 11.50	1.0	2000	0.38
242012	23.38 x 19.38 x 11.50		1667	
241212	23.38 x 11.38 x 11.50		1000	

DATA NOTES:
 Maximum continuous operating temperature is 100° F (38° C). Maximum continuous relative humidity level should not exceed 75%. Optimum operating levels are the same as human comfort 72° F (23° C) and 50% relative humidity.
 Additional sorbents are available, contact factory.

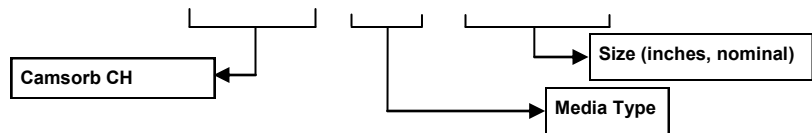
Minimum residence time of 0.026 seconds at 500 fpm (airflow capacity).

Sorbent	Description	Typical applications*	Sorbent Weight (pounds)		
			24" H	20" H	12" H
CFS-201	Coconut shell activated carbon	New construction odors, VOCs, tobacco, ozone	26	21	13
CFS-202	Impregnated carbon for corrosive & acid gases	Pulp & paper, sewage treatment facilities, manufacturing & chemical processing	33	26	16
CFS-101/ Campure 4	Activated alumina impregnated with 4% potassium permanganate	Indoor air quality, low molecular weight hydrocarbons	43	35	22
CFS-002	Blended carbon & Campure 4	Airports, pharmaceutical make-up air, funeral & nursing homes, animal care facilities, make-up air	28	22	14
CFS-103/ Campure 6XL	Activated alumina impregnated with 6% potassium permanganate and other proprietary impregnations	Pulp & paper, sewage treatment facilities, manufacturing & chemical processing and acidic sulfur gases	43	35	22
CFS-004	Blended carbon & Campure 6XL	Airports, pharmaceutical make-up air, funeral & nursing homes, animal care facilities, make-up air	28	22	14

* Consult factory for assistance in selecting the right sorbent for your application.

Sample Model Number Code

CSCH - 201 - 242412



SPECIFICATIONS

1.0 General

1.1 - Air filters shall be compact 12 inch deep adsorber type with multiple panels of 1-inch deep sorbent media, impact-resistant plastic end caps, galvanized steel vertical support channels, and a 1-inch nominal size header for side-access or built-up bank application.

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

2.0 Construction

2.1 - Media shall be sorbent type specifically manufactured for the removal of molecular contaminants. The media shall be formed in one-inch panels, enclosed in 26-gauge galvanized steel frame and supported and protected by a combination of corrugated Kraft honeycomb and nylon mesh.

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

2.2 - The media packs shall be formed into a V-cell configuration with an appropriate number of panels to meet pressure drop requirements. The panels shall be secured in impact-resistant plastic enclosure caps.

2.3 - Galvanized steel channel supports shall be installed on the vertical axis on the air-entering and the air-exiting sides to effect a rigid and durable enclosure.

3.0 Performance

3.1 - Resistance to airflow shall not exceed 0.38 inches w.g. at 500 feet per minute velocity.

3.2 - Media volume shall be appropriate to provide a minimum residence time of 0.026 seconds when operated at a velocity of 500 feet per minute.

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

Filters shall be Camfil Farr Camsorb CH Loose-fill V-Cell Cartridges or equal.

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