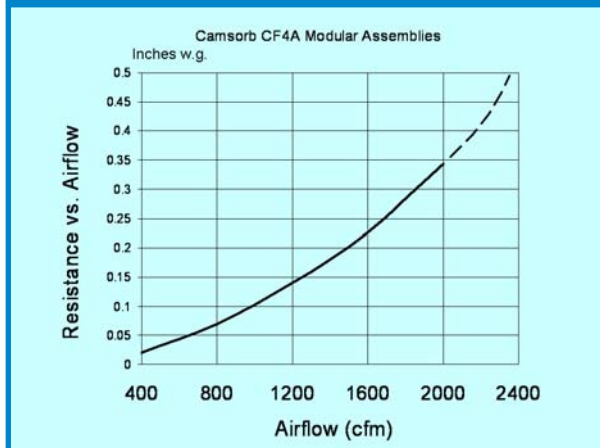


camsorb™ cf4a modular assemblies

Modular, Built-up Bank, High-Capacity, Loose-Fill Sorbent Panel Assemblies



High-capacity gaseous contaminant and odor control in a modular, built-up bank assembly.



Top: Camsorb CF4A built-up bank adsorber assembly less panels (order panels separately).
 Top: Pressure drop values require 12 panels per 24" x 24" (6 panels per 12" x 24") opening.



The Camfil Farr built-up bank sorbent panel assembly can be used in commercial applications, industrial applications, manufacturing facilities, medical facilities or any other applications where the control of gaseous contaminants or odors may be a concern. It may also be used to reduce outside air by increasing recirculated air, thus saving energy during the heating and cooling seasons.

Each Camfil Farr built-up bank adsorber module assembles into a built-up bank of gaseous and particulate filtration with 85 pounds of adsorbent per 2000 cfm, a prefilter (of any depth) and a final filter (of any depth) . Each Camsorb built-up bank adsorber includes:

- corrosion-resistant 16-gauge galvanized steel adsorber sections with integral adsorber panel tracks to facilitate the installation of adsorber panel trays (twelve 1-inch panels per 2000 cfm of rated capacity)
- Panels slide in and out of housing for easy replacement
- A snap-on, snap-off, adsorber panel retainer with foam panel seals to facilitate adsorber panel service from either the air entering or air exiting sides (unit is bi-directional and panel service side is established during installation)
- Prefiltration and final filtration holding frames. The sorbent section is sandwiched between two particulate filter holding frames, also of 16-gauge galvanized steel construction
- The frames allow installation of various combinations of prefiltration and ASHRAE grade final filtration
- The frames are pre-punched with lances for the application of various fasteners dependent upon particulate filter requirements.

Each full size unit uses twelve Camsorb CF one-inch panels with 0.25 cubic feet of sorbent media per panel, or three cubic feet per 2000 cfm (see Product Sheet 2101). Panels may be filled with application specific sorbent media or sorbent media blends. Consult factory for application guidance.

Camfil Farr modular built-up bank adsorbers may be stacked up to six units high (12 feet) without modifications. Resistance to airflow is also minimal at 0.35" w.g. at 500 fpm.

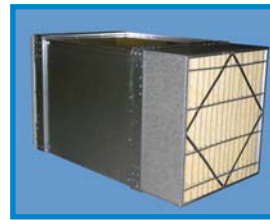
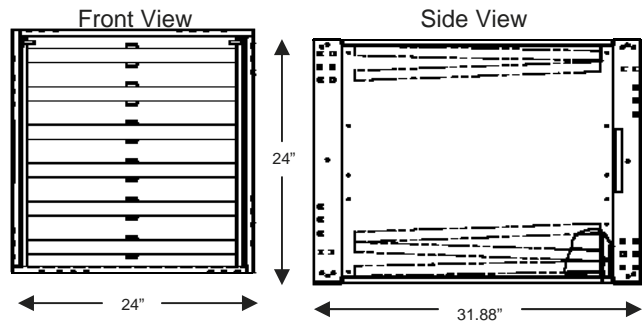
Camfil Farr	Product sheet
Camsorb™ CF4A Modular Assemblies	2106 - 0606
Camfil Farr—clean air solutions	

Modular, Built-up Bank, High-Capacity, Loose-Fill Sorbent Panel Assemblies

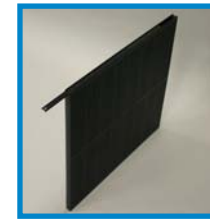
	FULL SIZE	HALF SIZE
	24" x 24" x 32"	12" x 24" x 32"
Height (with panels horizontal)	24"	12"
Rated Airflow	2000 cfm	1000 cfm
Number of Adsorber Panels	12	6
Net Volume of Sorbent Media	3.0 cubic feet	1.5 cubic feet
Approximate Weight of Complete Unit (standard sorbent)*	190 lbs (85 lbs. of carbon)	145 lbs (42 lbs. of carbon)

DATA NOTES:

* Filter bank support structure must be capable of supporting static load of 190 pounds. Weights are based on unimpregnated carbon sorbent media. Camisorb CF4A modular built-up bank adsorber assembly for high-capacity, loose-fill, sorbent panels was formerly known as Farr CF4A Housing.
 Airflow rated at 500 fpm.
 Airflow may be in either direction.
 Maximum recommended duct pressure 5.0" w.g.
 Consult factory for other sorbent types.
 Contact your Camfil Farr representative for shipping and installed housing weight.
 Order panels separately. 12 required per full size modules. 6 required per half size module.
 Temperature limitations:
 Cells arranged horizontal 140° F (preferred orientation)
 Cells arranged vertically 155° F



Single module with MERV 14 Riga-Flo® final and 30/30® MERV 7 prefilter in under 40" of in-line space.



Rechargeable panels may be selected with various grades of sorbents. Photo shows panel removable service end cap open.

Available Options:

Stainless steel construction
 Panels may be filled with application specific sorbent media or sorbent media blends. Contact factory for more information.

SPECIFICATIONS

1.0 General

1.1 - Modular built-up bank adsorbers shall be 16-gauge galvanized steel, with adsorber panel mounting tracks and integral universal holding frames for addition of prefiltration and final filtration.

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

2.0 Construction

2.1 - The module shall be constructed of 16-gauge galvanized steel, integrating universal holding frames on both the air entering and air leaving sides.

2.2 - Adsorber panels, of heat-resistant plastic construction, shall be accessible for change through either the upstream or downstream holding frames (dependent upon installation orientation). The unit shall be capable of airflow in either direction. Panel service access shall be accomplished through a removable panel support face grille. Panel to housing junctures shall be sealed with foam gaskets to prevent air bypass.

2.3 - Universal holding frames, of 16 gauge galvanized steel construction shall be integral with the module on both the air inlet and outlet sides. The frames shall have pre-punched lances to accept various types of prefiltration or ASHRAE level final filtration. The frames shall be capable of accepting any industry standard filter with a nominal size of 12" x 24" or 24" x 24".

2.4 - Adsorber panels shall be of high-impact heat-resistant polystyrene construction. Panels shall be capable of holding 0.25 cubic feet of sorbent media and shall be rechargeable through the use of a removable service end cap.

2.5 - Full size module shall contain twelve adsorber panels filled with 3.0 cubic feet of granular sorbent media, sufficient to provide 0.090 seconds residence time.

3.0 Performance

3.1 - Resistance to airflow with charged panels installed shall not exceed 0.35" w.g. at 500 fpm.

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

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

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