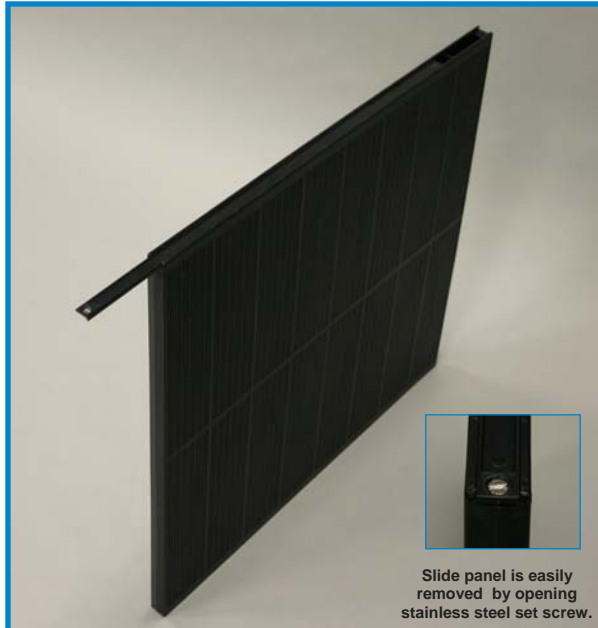
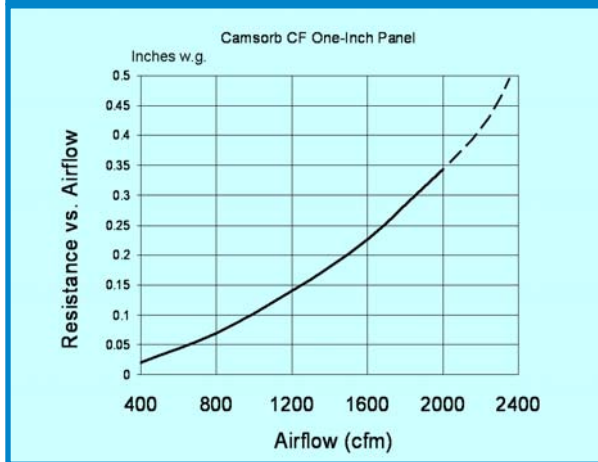


camsorb™ cf one-inch panels

High-Capacity, Loose-Fill, Rechargeable Polystyrene Sorbent Panels



High-capacity loose-fill plastic panels for gaseous contaminant & odor removal



Top: Camfil Farr loose-fill polystyrene sorbent panels have a low resistance to airflow when used in matching Camfil Farr Camsorb front access frames or Camsorb side-access housings (six panels per 1000 cfm rated). Photo shows removable service end cap used for sorbent replacement.

Bottom: Pressure drop values require 12 panels per 24" x 24" (6 panels per 12" x 24") opening.



The industry standard for practical odor control, Camfil Farr 1-inch polystyrene panels (formerly known as Farr CF panels) were the first high-velocity 'straight through' carbon purification filters available. Recommended for high gas/vapor load make-up air and recirculation applications, where high removal efficiency and a large quantity of sorbent media is required. Applications include:

- Treat *make-up air* for buildings containing objectionable levels of:
 - Ozone (O₃) from outdoor air (smog)
 - Automobile fumes and bus and truck diesel engine exhaust (SO_x, H₂S, VOCs)
 - Jet fumes in airports (SO_x, H₂S, VOCs)
 - Medivac helicopter exhaust in hospitals
 - Light levels of industrial emissions (acid gases, NH₃, solvents)
 - Kitchen odors from nearby restaurants
- Eliminate objectionable odors and emissions from *recirculated or exhaust air*
- *Protect sensitive objects* from harmful air pollutants:
 - Sensitive museum, library or archival storage (art, fabric, documents, sculpture, relics)
- *Reduce building operating cost.*
 - Permits the recirculation (all or part) of ventilating air, reducing heating cost in the winter and cooling costs in the summer

Camfil Farr loose-fill polystyrene panels:

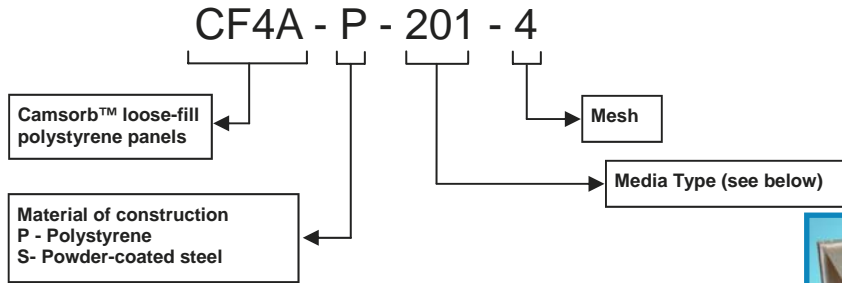
- Are filled with at least 7 pounds of high quality coconut shell carbon for applications that require the removal of gaseous contaminants
- Are designed to easily slide in and out of Camfil Farr housings on special panel guides
- Are installed in sets of twelve panels for a 24" x 24" opening or six panels for a 12" by 24" opening, providing a nominal residence time of 0.09 seconds to ensure optimum contaminant-to-sorbent surface contact for high capture efficiency
- Are resistant to corrosive environments
- May be filled with a variety of sorbents to meet the gaseous removal needs of additional specific applications
- Are easily recharged. Panels include a removable service end cap that opens to allow the removal of spent sorbent and refill with fresh media.

Camfil Farr	Product sheet
Polystyrene Panels	2101 - 0606
Camfil Farr—clean air solutions	

PERFORMANCE DATA

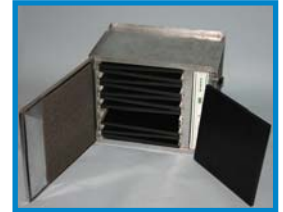
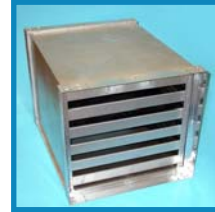
CAMSORB™ CF One-Inch Panels Loose-Fill Rechargeable Construction

Model Designators



Data Notes:

Camsorb loose-fill polystyrene panels were formerly known as Farr CF Panels. Powder coated steel panels are available, consult factory. Consult Camfil Farr Product Sheet 2106 for built-up bank modules and Product Sheet 2107 for side-access housings. Operating temperatures to 155° F (68° C), consult factory or sales submittal drawings. Not for installation in condensing environments or when entrained moisture is present.



Matching hardware includes built-up bank modules and side-access housings.

Sorbent*	Description	Typical applications
CFS-201	Activated carbon	New construction odors, VOCs, tobacco, ozone
CFS-202	Impregnated carbon for corrosive & acid gases	Pulp & paper, sewerage treatment facilities, manufacturing & chemical processing
CFS-101/Campure 4	Activated alumina impregnated with 4% potassium permanganate	Indoor air quality, low molecular weight hydrocarbons, oxidizable acid gases
CFS-002	Blended carbon & Campure 4	Airports,, pharmaceutical make-up air, funeral & nursing homes, animal care facilities, commercial building make-up air
CFS-103/Campure 6XL	Activated alumina impregnated with 6% potassium permanganate and other proprietary impregnations	Pulp 7 paper, sewerage treatment facilities, manufacturing & chemical processing and acidic sulphur gases
CFS-004	Blended carbon & Campure 6XL	Airports,, pharmaceutical make-up air, funeral & nursing homes, animal care facilities, commercial building make-up air

* Other sorbents are available, consult factory.

SPECIFICATIONS

1.0 General

- 1.1 - Sorbent panels shall be loose-fill, rechargeable type, filled with (select sorbent from above or consult factory)* designed for installation in matching (built-up banks, side access housings)*.
- 1.2 - Number of panels shall be six panels per 1000 cfm of system airflow.

2.0 Construction

- 2.1 - Panel shall be of high-impact resistant polystyrene construction. Panel size shall be nominal 22" by 24" by 1" deep.
- 2.2 - Sorbent shall be loose-fill, and factory-filled, using a shaker assembly that ensures at least 7 pounds of sorbent per panel.
- 2.3 - Each panel shall include a removable service end cap on the short side, accessible through a permanently mounted set screw to allow the replacement of sorbent media.

- 2.4 - Each panel shall contain 60 perforations per square inch of exposed panel surface area. Perforation slots shall be 0.050" by 0.08", and shall preclude sorbent granule migration.
- 2.5 - Panels shall be capable of operating temperature range of 35° F (2° C) to 155° F (68° C).

3.0 Performance

- 3.1 - When installed in matching hardware, system pressure drop shall not exceed 0.34" w.g. at a velocity of 500 fpm.
- 3.2 - Manufacture shall provide a letter of certification noting sorbent activity rating to published values.
- 3.3 - Manufacturer shall provide evidence of facility certification to ISO 9001:2000.

* Items in parenthesis require selection.

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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