

# camsorb™ rs80 two-inch panel

## Loose-Fill, Medium-Capacity Sorbent Panels



2-inch panel for removal of odors or cleaning of make-up air at medium loads



Top photo shows rechargeable model (unit may have carbon replaced after carbon has served a useful life of contaminant removal). Inset photos shows removable panel. Bottom photo shows disposable model.

Camfil Farr Camsorb RS 80 two-inch panels can be used to control odors or limit VOC exposure created by contaminants in the typical office environment. They may also be used in areas of non-attainment to clean make-up air before it is introduced to the indoor environment.

Applications include:

- Treat *make-up air* for buildings containing objectionable levels of:
  - Ozone (O<sub>3</sub>) from outdoor air (smog)
  - Automobile fumes and bus and truck diesel engine exhaust (SO<sub>x</sub>, H<sub>2</sub>S, VOCs)
  - Medivac helicopter exhaust in hospitals
  - Light levels of industrial emissions (acid gases, NH<sub>3</sub>, solvents)
  - Kitchen odors from nearby restaurants
- Eliminate objectionable odors and emissions from *recirculated or exhaust air*
- *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

Camsorb RS80 two-inch loose-fill sorbent panels are:

- Filled with 12 pounds of high quality coconut shell carbon for applications that require the removal of gaseous contaminants
- Designed to easily slide in and out of Camfil Farr Camsorb Riga-Sorb housings, v-bank applications, or any application where velocity does not exceed 125 fpm
- Installed in sets of four panels for a 24" x 24" opening (four panels per 2000 cfm)
- Available with a variety of sorbents to meet the gaseous removal needs of additional specific applications
- Available in rechargeable or disposable models.

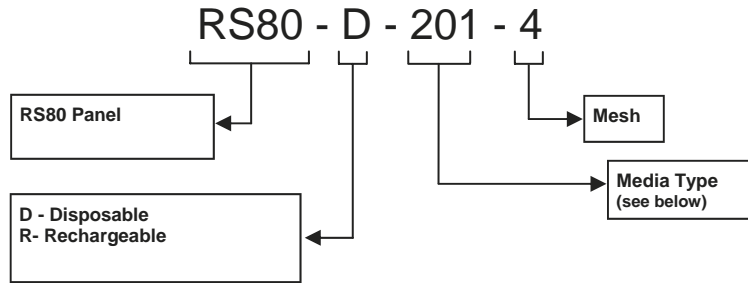


Camfil Farr	Product sheet
Camsorb™ RS80 Panels	2103 - 1606
Camfil Farr—clean air solutions	

# PERFORMANCE DATA

# Camsorb™ RS80 Two-Inch Panels Loose-Fill, Medium-Capacity Sorbent Panels

Model Designators



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

**Data Notes:**

Camsorb RS80 two-inch panels were formerly known as Farr Riga-Sorb 80 Panels. Consult Camfil Farr Product Sheet 2102 for built-up bank modules and Product Sheet 2108 for side-access housings. Panels may also be installed in any v-bank configuration. Panel face velocity should not exceed 125 fpm. Actual panel size is 23.38" wide by 23.38" high by 1.88" deep. Operating temperatures to 155° F (68° C), consult factory or sales submittal drawings. Powders-coated steel panels available, consult factory.

Sorbent*	Description	Typical applications
CFS-201	Coconut shell activated carbon	New construction odors, VOCs, tobacco, ozone
CFS-202	Impregnated carbon for corrosive & acid gases	Pulp & paper, sewage treatment facilities, manufacturing & chemical processing
CFS-101	Activated alumina impregnated with potassium permanganate	Indoor air quality, low molecular weight hydrocarbons
CFS-002	Blended carbon & alumina impregnated with potassium permanganate	Airports, pharmaceutical make-up air, funeral & nursing homes, animal care facilities, make-up air

\* Other sorbents are available, consult factory.

## SPECIFICATIONS

### 1.0 General

**1.1** - Sorbent panels shall be loose-fill, (rechargeable, disposable) type, filled with (select sorbent from above or consult factory)\* designed for installation in matching (built-up banks, side access housings)\* or v-bank configuration.

**1.2** - Number of panels shall be four panels per 2000 cfm of system airflow.

### 2.0 Construction

**2.1** - Panel shall be of powder-coated steel construction. Panel size shall be nominal 24" by 24" by 2" deep.

**2.2** - Sorbent shall be loose-fill, and factory-filled, using a shaker assembly that ensures at least 12 pounds of sorbent per panel.

**(2.3** - Each panel shall include a removable service end cap, accessible through a permanently mounted set screw to allow the replacement of sorbent media.

**2.3** - Each panel shall be totally disposable. Panel construction materials shall be designed to allow incineration.)

**2.4** - 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 0.32" w.g. at a velocity of 500 fpm for a four-panel installation.

**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.*

**Camfil Farr, Inc.**

Washington NC Tel: (252) 975-1141 Fax: (252) 975-1041

Corporate Locations:

United States Tel: (973) 616-7300 Fax: (973) 616-7771

Canada Tel: (450) 629-3030 Fax: (450) 662-6035

E-mail: camfilfarr@camfilfarr.com

© Camfil Farr

<http://www.camfilfarr.info>  
<http://www.camfilfarr.com>

