

camsorb™ rs retainer/pack

Built-up Bank Modules for Two-Inch Sorbent Panels



Medium-capacity odor and dust control in a low pressure drop built-up bank system.



Adsorber panels are available in a rechargeable version (left photo) for economy or a disposable version (right photo) for convenience.

The Camsorb RS80 Retainer/Pack can be used in commercial applications, industrial applications, manufacturing facilities, medical facilities or any other applications where the control of gaseous contaminants may be a concern. It may also be used to reduce ventilation air through recirculation, thus saving energy during the heating and cooling seasons. The Camsorb RS80 Retainer/Pack is an excellent choice for ventilation air improvement in areas of air quality non-attainment per ASHRAE Standard 62.

Each adsorber module is a single unit that may be stacked up to four units high, and any number of units wide, to form a complete filter bank. Each module may include 48 pounds of adsorbent, a prefilter or dusting filter and a high efficiency particulate filter. Each Camsorb Retainer/Pack includes:

- A 16-gauge powder coated steel load-bearing module with integral 2" adsorber panel tracks
- A snap-on/snap-off 1" particulate panel filter mounting mechanism for installation of a prefilter or dusting filter
- A universal filter holding frame for the installation of various combinations of prefiltration or final filtration. Each frame includes pre-punched lances for the installation of appropriate fasteners, dependent upon particulate filter selection
- Is capable of holding up to 4 disposable or rechargeable adsorber panels each incorporating up to 0.4 cubic feet of sorbent media. One full size module (rated 2000 cfm) can hold up to 48 pounds of sorbent. Panels may be filled with an application specific sorbent or sorbent media blends. Consult factory for application guidance
- Extremely low resistance to airflow, with adsorber panels installed, is a minimal 0.32" w.g. at 500 fpm (2000 cfm per full size module).



Camfil Farr	Product sheet
Camsorb™ RS Retainer/Pack®	2102 - 0606
Camfil Farr—clean air solutions	

Module Dimensions & Airflow Capacities

NUMBER OF FILTERS HIGH	HEIGHT	NUMBER OF FILTERS WIDE					
		1	2	3	4	5	6
1/2	12"	1000	2000	3000	4000	5000	6000
1	24"	2000	4000	6000	8000	10000	12000
1-1/2	36"	3000	6000	9000	12000	15000	18000
2	48"	4000	8000	12000	16000	20000	24000
2-1/2	60"	5000	10000	15000	20000	25000	30000
3	72"	6000	12000	18000	24000	30000	36000
3-1/2	84"	7000	14000	21000	28000	35000	42000
4	96"	8000	16000	24000	32000	40000	48000
WIDTH		24"	48"	72"	96"	120"	144"

Available Options:

Stainless steel construction.

Various application specific sorbent medias are available (see product sheet 2103).

Contact factory for more information.

DATA NOTES:

Product was formerly known as Farr Riga-Sorb Retainer/Pack.

Module depth is 28-1/2".

Rated maximum airflow is 500 fpm. For higher velocities contact factory.

At airflow capacities listed above, 4 adsorber panels are required for each 2000 cfm of air, unless the unit is airflow derated. Consult factory for higher velocity applications.

Contact your Camfil Farr representative for shipping and installed housing weight.

SPECIFICATIONS

1.0 General

1.1 - Adsorber modules shall be 16-gauge powder coated steel, with adsorber panel mounting tracks and integral universal holding frame for application of prefiltration or ASHRAE grade 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 powder coated steel, epoxy paint coated, and supported directly by a universal holding frame and the welded adsorber enclosure. Module depth shall not exceed 29".

2.2 - Adsorber panels shall be mounted on powder coated steel mounting tracks and shall be accessed from the downstream side of the module. Prefilters shall be accessed from the upstream side of the module. The adsorber to module sealing surface shall be gasketed to prevent air bypass.

2.3 - A snap-on snap-off mechanism shall allow service of 1" deep particulate filters without removal of adsorber panels.

2.4 - A universal holding frame of 16-gauge powder coated steel construction shall be mounted on the adsorber module. The frame shall be capable of acceptance of any industry standard filter (12" by 24" or 24" by 24" nominal). The frame shall have pre-punched lances to accept various types of prefiltration or ASHRAE level final filtration.

2.5 - Full size module shall include 4 adsorber panels containing 1.6 cubic feet of granular sorbent media, sufficient to provide 0.048 seconds residence time. Standard sorbent shall be coconut shell granular activated carbon with a minimum activity rating of 60. Adsorptivity shall be 40% by weight and retentivity shall be 29% by weight when evaluated with toluene.

3.0 Performance

3.1 - When filled with sorbent media and installed in module, the resistance to airflow across the sorbent media panel, shall not exceed 0.32" 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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