

camsorb[®] holding frames

Built-up Bank Holding Frames for Cylindrical Sorbent Canisters



Combines high-capacity sorbent canisters with built-up bank frames for large system gaseous contaminant control



Adsorbent cylinders (available in two sizes) install on frames with a twist, and create tight filter-to-frame seal. A tool is provided that tightens the cylinder to the frame and ensures an air tight seal. (see Product Sheet 2112 for cylinder information)

Camfil Farr built-up bank holding frames for cylindrical sorbent canisters are recommended for high gas/vapor load make-up air and recirculation applications. Up to 96 pounds of impregnated carbon per 2000 cfm of system capacity and a gasketed seal provides a higher capacity and removal efficiency than other adsorbent systems.

Frames are ideal for large system retrofits, custom air handling systems and other HVAC systems handling large volumes of air. When properly installed, the combination of Camsorb holding frames and Camsorb sorbent canisters ensure that virtually all of the air flowing through the system will be efficiently treated by the filters.

Camsorb holding frames:

- Include a unique bayonet mount that assures a tight filter-to-frame seal
- Are manufactured of 14-gauge welded aluminized steel (also available in stainless steel)
- Include mounting holes and flow paths for lock-mounting of Camsorb sorbent cylinders (order separately, see Camfil Farr Product Sheet 2112)
- Include pre-drilled holes for riveting or bolt-together installation of built-up banks
- May be assembled in banks up to six units high and any number of units wide (flat stock vertical stiffener bars are required for banks 4 to 6 units high alternating every other filter frame)
- May be combined with additional banks of frames for additional gaseous or particulate filtration
- Excellent noise attenuation (when matched with Camfil Farr cylindrical canisters, sound attenuation is comparable to conventional silencers and sound absorbing dampers).

Camsorb cylinders, ordered separately, are available for removal of a wide variety of gaseous contaminants. Consult Camfil Farr Product Sheet 2112 for information on specific contaminant removal. Specialized sorbents are also available. Please consult your local Camfil Farr Representative or contact the factory.



Camfil Farr	Product sheet
Camsorb [™] Canister Holding Frames	2117 - 0607
Camfil Farr—clean air solutions	

PERFORMANCE DATA

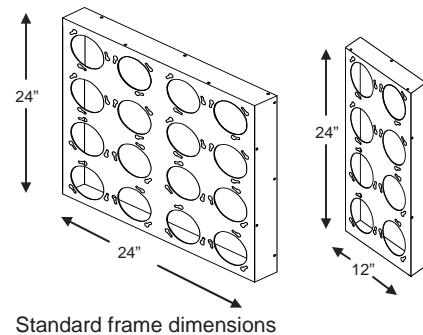
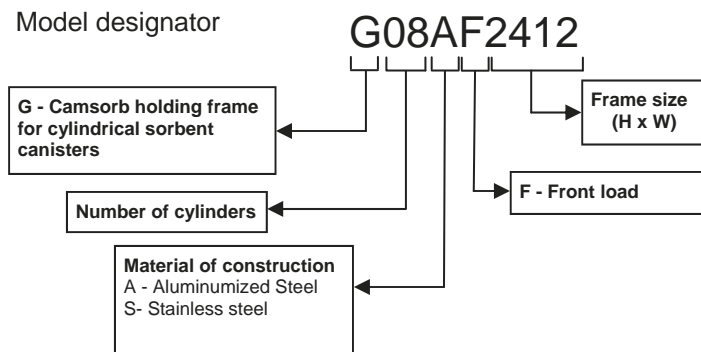
Dimensions & Airflow Capacities

Camsorb® Holding Frames For Cylindrical Sorbent Canisters

Model Number	Frame Material	Actual Frame Depth (inches)	Actual Dimensions (inches)		Number of Cylinders required	Rated Airflow	Resistance to Airflow @ 500 fpm (inches w.g.)	
			Height	Width			18" Deep Cylinders	24" Deep Cylinders
G16GF2424	Aluminized	2.75	24	24	16	2000	0.63"	0.59"
G08GF2412			24	12	8	1000		
G16SF2424	Stainless Steel		24	24	16	2000		
G08SF2412			24	12	8	1000		

Typical sorbent weight for a 1 x 1 configuration is 80 or 96 pounds of sorbent for 18" or 24" cylindrical canisters respectively. Sorbent residence time may be increased, improving gaseous removal efficiency and system capacity by de-rating airflow capacities. Consult Camsorb cylindrical sorbent canister product Sheet 2112 for sorbent canister selection. Sorbent canisters ordered separately. Camsorb cylindrical sorbent canisters are also known by the trade name of Camcarb (in Europe).

Model designator



SPECIFICATIONS

1.0 General

1.1 - Air filter holding frames shall be 14-gauge aluminized steel with cylindrical sorbent cylinder mounting perforations.

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

2.0 Construction

2.1 - Filter holding frame shall be constructed of 14-gauge aluminized steel. The frame shall be assembled from a single piece of sheet metal and welded at junctures to assure a rigid and durable frame assembly.

2.2 - The frame shall include pre-punched mounting holes and airflow paths for cylindrical filter fastener attachment.

2.3 - The frame surface shall have a flat sealing surface to ensure a secure sorbent canister mount when matched with sorbent cylinders and sealing gasket.

3.0 Performance

3.1 - System pressure drop shall not exceed (0.63, 0.59)" w.g. at a velocity of 500 fpm when proper quantity of (18", 24") cylinders are installed on frames.

3.2 - Cylinder to mounting hardware procedure shall form a mechanical connection forming a tight seal that minimizes hardware air bypass.

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

* Items in parentheses () 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.com>

