

Camfil CamContain FB-R (gel seal) and GB-R (gasket seal) Housings are designed for use in critical processes where hazardous airborne materials must be prevented from escaping to the atmosphere. Air filters may be replaced from the topside of the unit using a control barrier to protect change-out personnel from contaminants within the housing or captured by the filters. The unit may be mounted vertically or horizontally.

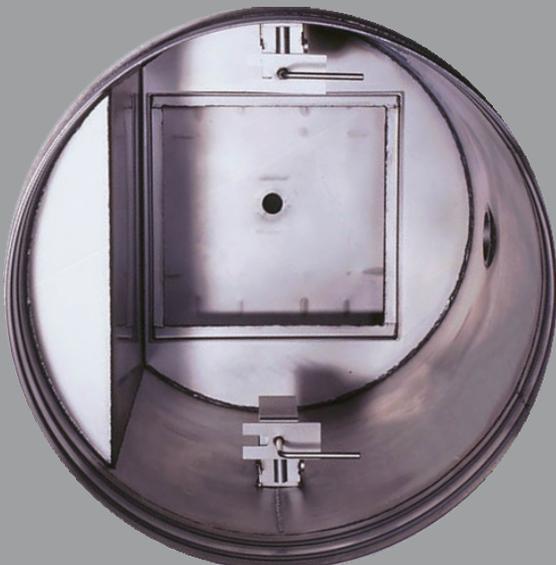
The CamContain FB-R/GB-R Housing minimizes exposure to harmful contaminants during filter service through the use of a PVC bag enclosure system. The entire filter changing process isolates personnel from the hazardous materials.

Various options specific to your application are available in the CamContain FB-R/GB-R Housing design.

These housings are typically used in facilities that incorporate hazardous materials in their processes. These contaminants may include biomedical, radiological, carcinogenic or other materials of concern. Some applications include:

- Chemical manufacturing facilities
- Food processing
- Genetic research and biotechnology facilities
- Industrial processes exhaust
- Microelectronic and semiconductor facilities
- Nuclear power plants
- Pharmaceutical facilities
- Radioisotope handling facilities
- University research laboratories
- US Department of Energy Facilities
- Veterinary research and animal disease laboratories
- Government and military facilities.

Bag-in/bag-out round housing for particulate and gaseous contaminant removal



Sample internal component view including air baffle, filter mounting flange, seal/release clamps and air outlet. FB-R shown

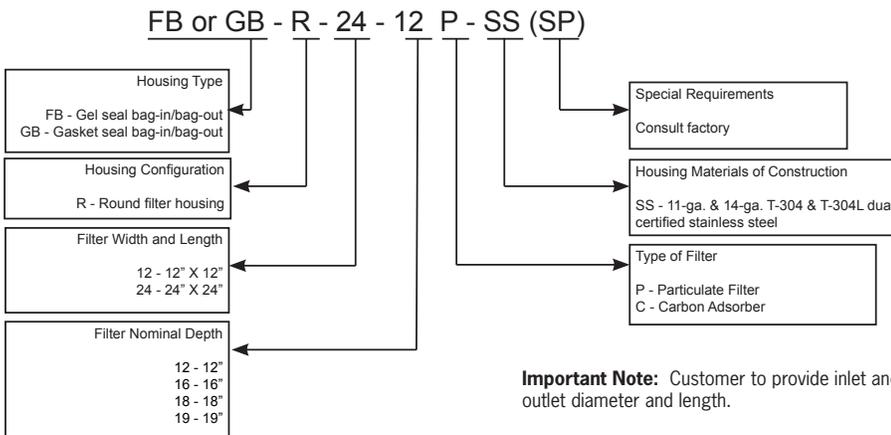
## Performance and Model Number Data

## CamContain™ FB-R /GB-R

Standard Model Number	Primary Filter Dimensions (inches)	Adsorber Size (inches)	Rated Airflow (cfm)	Actual Dimensions (inches)		Weight (lbs.) No filter or options
				Height	Diameter	
FB-R-12-12P-SS GB-R-12-12P-SS	12 x 12 x 12-¼ 12 x 12 x 11-½	N/A N/A	250 250	29 29	18-¼ 18-¼	125 125
FB-R-24-12P-SS GB-R-24-12P-SS	24 x 24 x 12-¼ 24 x 24 x 11-½	N/A N/A	1000 1000	29 29	36-¼ 36-¼	125 125
FB-R-12-12C-SS GB-R-12-12C-SS	N/A N/A	12 x 12 x 12-¼ 12 x 12 x 11-½	700 700	29 29	36-¼ 36-¼	245 245
FB-R-24-16C-SS GB-R-24-16C-SS	N/A N/A	24 x 24 x 16-¾ 24 x 24 x 16	1000 1000	32 32	36-¼ 36-¼	265 265
FB-R-24-18C-SS GB-R-24-18C-SS	N/A N/A	24 x 24 x 18-¾ 24 x 24 x 18	1250 1250	32 32	36-¼ 36-¼	265 265
FB-R-24-19C-SS GB-R-24-19C-SS	N/A N/A	24 x 24 x 19-¾ 24 x 24 x 19	1500 1500	32 32	36-¼ 36-¼	265 265



**Support Stand** option available for FB-R or GB-R free-standing applications.



**Important Note:** Customer to provide inlet and outlet diameter and length.

### Standard FB-R/GB-R Components

CamContain FB-R/GB-R Housings are typically applied in low air volume systems, and incorporate either a HEPA filter, or a gaseous adsorber.

Connections to the unit are typically through a round inlet and outlet, with flange dimensions supplied by the user.

Units may be installed in a horizontal or vertical position.

FB-R: Spring-loaded stainless steel filter clamps secure the filter in position during operation.

GB-R: Pressure bar with spring-loaded stainless steel filter clamps secure the filter in position during operation.

The door of the housing is secured by swing away latches so filter access is not restricted. A silicone sealing gasket assures a leak-free seal after each change.

The access opening includes a ribbed bagging ring assembly for an 8-mil changing PVC bag. The bagging ring is continuously welded and hemmed to prevent damage to the bag.

### FB-R/GB-R Options

#### Static Pressure Taps

Static pressure taps for pressure drop tests, may be installed on the inlet and outlet of the housing. Ports are ¼" NPT stainless steel half-couplings, and shipped with brass plugs, for field connection of differential pressure gages or pneumatic sensor controls.

#### Testing Ports

Testing ports are available for overall efficiency evaluation of the filter. A challenge injection port is installed on the inlet. The challenge is dispersed by an air baffle plate for complete mixing. The sampling port is on the outlet flange connection for downstream measurement.

### Housing Drain

A ½" NPT drain with a positive shut-off ball valve and brass plug may be included where moisture removal may be required. Other sizes available.

### High Temperature Design

Construction component options are available to allow operation to 450° F (230° C).

### Low Leak Test

A low leak test is available to meet requirements as listed in the Nuclear Air Cleaning Handbook (0.2% of the housing volume per hour at a pressure of 15" w.g.).

### High-Pressure Option

The standard CamContain FB-R/GB-R Housing is capable of withstanding 15" w.g. positive or negative pressure. Camfil has manufactured round housings capable of withstanding up to 15 PSI positive or 14.2 PSIG negative pressure. Consult factory for specific design pressure requirements.

### Metal Door Pocket

A stainless steel door pocket is available for storage of installation, maintenance, operation and spare parts manuals.

### Seismic Certification

Consult factory for special seismic certification qualifications and codes.

### Flanges

7-gauge plate or 150 lbs flanges available.

For assistance specific to this product, please contact the Camfil Washington NC facility at Sales-WA@camfil.com or by telephone at 877-658-6588.



For detailed specifications or drawing, please consult your local Camfil Distributor or Representative or download from the Containment Toolbox located in the **Segments Tab** of **CamTab File Archive** at [www.camfil.us](http://www.camfil.us).

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



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