

V-Bank Glide/Pack®

Side-Access Housing for Panel Filters in a V-Bank Configuration



Longer filter life
and energy savings in a
housing with less than
 $\frac{1}{2}$ of 1% leakage.



Left: Filters are sealed into place by a fin seal on the filter track that eliminates air bypass and ensures cleaning of all air through the housing.

Top right: Each door is completely covered with a memory-based gasket that makes a new seal each time the housing door is closed. No filter bypass.

Bottom right: Downstream static tap allows connection to a control system or magnehelic gauge for filter pressure drop evaluation to ensure longest filter life and energy savings.

The Camfil Farr V-Bank Glide/Pack® provides a filter configuration that reduces filter face velocity thereby decreasing system resistance for energy savings and longer filter life. Initial pressure drop savings can be as high as 60%.

Each Camfil Farr V-Bank Glide/Pack housing:

- Is constructed of 16-gauge galvanized steel with pre-drilled standing flanges to mate to existing HVAC equipment. All components are weatherproof for interior or exterior installation.
- Includes Z-channel support to maintain housing integrity to ± 3.0 " w.g.
- Has dual-access doors for filter service from either side of the unit. The door perimeter includes a high memory gasket to prevent door leakage. The doors swing open and are engineered to be square to the housing flange to prevent the introduction of contaminated air. UV resistant star-style handles assure a tight door seal even after repeated door openings and closings.
- Includes high-memory sponge neoprene full face door gaskets to ensure door-to-filter seal after every filter change.
- Has an integral pneumatic fitting for the installation of an optional static pressure gauge capable of evaluating filter pressure drop or for connection to an HVAC control system.
- Has 2" nominal size aluminum filter tracks each with filter fin seals to eliminate filter air bypass to ensure that all air is being treated by the installed filters. The track includes ribs to allow filters to slide easily in multi-wide filter banks. Filter installation does not require any clips or fasteners.



Camfil Farr	Product sheet
V-Bank Glide/Pack®	2421 - 0108
Camfil Farr - clean air solutions	

Housing Dimensions and Airflow Capacities

Number of Filters Wide	$\frac{1}{2}$	1	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	$4\frac{1}{2}$	5	$5\frac{1}{2}$	6	
Width (inches)	12.00	24.00	36.00	48.00	60.00	72.00	84.00	96.00	108.00	120.00	132.00	144.00	
System Capacity at 500 fpm Housing Velocity (total cfm)													
$\frac{1}{2}$	15.25	-	2,000	-	4,000	-	6,000	-	8,000	-	10,000	-	12,000
1	27.25	2,000	4,000	6,000	8,000	10,000	12,000	14,000	16,000	18,000	20,000	22,000	24,000
$1\frac{1}{2}$	39.50	-	6,000	-	12,000	-	18,000	-	24,000	-	30,000	-	36,000
2	51.50	4,000	8,000	12,000	16,000	20,000	24,000	28,000	32,000	36,000	40,000	44,000	48,000
$2\frac{1}{2}$	63.75	-	10,000	-	20,000	-	30,000	-	40,000	-	50,000	-	60,000
3	75.75	6,000	12,000	18,000	24,000	30,000	36,000	42,000	48,000	54,000	60,000	66,000	72,000
$3\frac{1}{2}$	88.00	-	14,000	-	28,000	-	42,000	-	54,000	-	70,000	-	84,000
4	100.00	8,000	16,000	24,000	32,000	40,000	48,000	56,000	60,000	72,000	80,000	88,000	96,000

DATA NOTES:

See Camfil Farr Sales Drawing 404881 for additional dimensional information.

Filters ordered separately.

Operating temperature to 250° F (121° C).

Meets NFPA 90A and tested per ASTM-E84.

SPECIFICATIONS

1.0 General

1.1 - Filter housing shall be single stage filter system consisting of 16-gauge galvanized steel enclosure, aluminum filter mounting tracks in a v-bank configuration, dual-access doors, static pressure tap, filter sealing gaskets and door seals. In-line housing depth shall not exceed 28".

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

2.0 Construction

2.1 - The housing shall be constructed of 16-gauge galvanized steel with pre-drilled standing flanges to facilitate attachment to other system components. Corner posts of Z-channel construction shall ensure dimensional adherence. The housing shall be weatherproof and suitable for rooftop/outdoor installation.

2.2 - The housing shall incorporate the capability of a single stage of 2" deep nominal filters without modification to the housing. The filter tracks, of aluminum construction, shall be an integral component of housing. The tracks shall have fin seals to eliminate filter air bypass and ribs to allow filters to slide easily in the filter track.

2.3 - Dual access doors, swing-open type, shall include high-memory sponge neoprene gasket to facilitate a door-to-filter seal. Each door shall be equipped with adjustable and replaceable positive sealing UV-resistant star-style knobs and replaceable door hinges.

2.4 - The housing shall include a pneumatic fitting to allow the installation of a static pressure gauge to evaluate pressure drop across any combination of installed filters.

3.0 Performance

3.1 - Leakage at rated airflow, upstream to downstream of filter, shall be less than 1% at 3.0" w.g. Leakage into or out of the housing shall be less than one half of 1% at 3.0" w.g.

3.2 - Accuracy of pneumatic pressure fitting, when used to evaluate a single-stage shall be accurate within ± 3% at 0.6" w.g.

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

Camfil Farr 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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