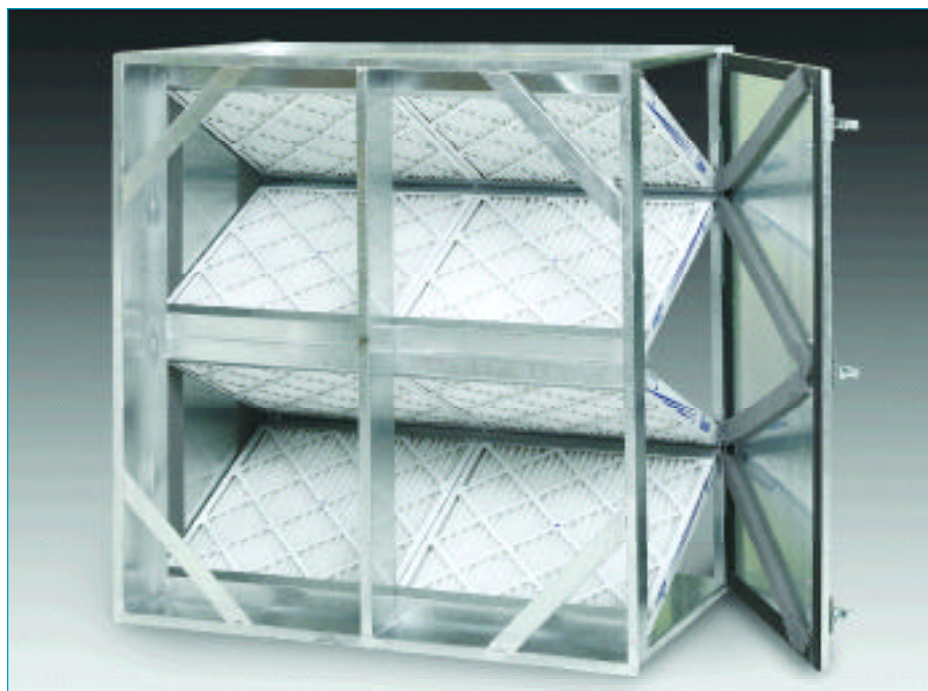


FILTRATION GROUP

SEAL V-BANK HOUSING



- Available in 16 gauge galvanized steel or 304L stainless steel
- Holds 2" or 4" HVAC filters
- 2 doors for easy access
- No clips or extra gasketing necessary
- Flange for installation to ductwork
- Custom made available to meet end user requirements



DESCRIPTION

The Aerostar Seal V-Bank housing is a single stage unit designed to hold HVAC filters. Standard housing depth is 30" and it will accommodate either 2" or 4" filters in a low-pressure drop configuration. It is designed for minimum air by-pass. Constructed with 16 gauge-galvanized steel, the housing components are permanently fastened for added strength. Corner gussets are positioned along the upstream side and for housings that are wider than 24", center stability bars have been added for extra rigidity.

BENEFITS

The Seal V-Bank configuration allows for double the air volume compared to flat bank housings with the same size opening. The strength and versatility of the Seal V-Bank design make it ideal for all

applications. Doors are mounted on both sides of the housing for ease of filter change-outs. Positive tension door locks provide a tight seal between the housing and the gasketing on the door. For the filter installation no clips or extra gasketing is necessary.

APPLICATIONS

The Aerostar Seal V-bank housing can replace any existing filter housing. It is designed for use with any 2" or 4" filter. This housing can be used in any application where there is a need for air filtration such as schools, office buildings, hospitals and industrial applications



PERFORMANCE DATA (STANDARD CAPACITY, HEPA)

FILTER HOUSING CAPACITY (CFM)*						
HEIGHT	WIDTH					
	.5	1	1.5	2	2.5	3
.5	—	2000	—	4000	—	6000
1	2000	4000	6000	8000	10000	12000
1.5	—	6000	9000	12000	15000	18000
2	4000	8000	12000	16000	20000	24000
2.5	—	10000	15000	20000	25000	30000
3	6000	12000	18000	24000	30000	36000

* Based on a 24 x 24 filter @ 2000 cfm

TO DETERMINE HOUSING SIZE: Find the cfm you are filtering and go to the left to the height column. Write down the number. Then go from the cfm up to the width row and write down that number. Example 20,000 cfm = 2.5 x 2. Note there may be more than one size for most cfm; choose the one that will best fit your space.

TO DETERMINE NUMBER OF FILTERS: Example housing is 2.5 h x 2 w. First determine number of filters in a row (width). Example: Width = 2 is 4 - 24x24x2 pleated filters. Second, multiply each size by the number of rows (height). Example: Height = 2.5. There are 10-24x24x2 pleated filters in this configuration.

ENGINEERING SPECIFICATIONS

FILTER HOUSING V-bank filter housing shall be Aerostar Seal V-Bank as manufactured by Filtration Group Inc. Housing shall be factory assembled and capable of accepting filters without the use of holding frames or clips. Housing shall be suitable for operation between +/- 3 "w.g. Perimeter gaskets and track seal gaskets shall be used to prevent any leakage. The gasket shall be oil and moisture resistant high density PVC foam gasket.

CONSTRUCTION Housing shall be 16 gauge-galvanized steel. Panels and posts shall be permanently fastened to maintain tolerances. Corner gussets shall be positioned along the upstream side and for housings that are wider than 24", center stability bars shall be added for rigidity. There shall be a 1" flange around the air entering and leaving sides to accommodate connections to ductwork and air handling equipment. No holes shall be drilled or punched, assuring leak-free field installation.

DOORS shall be 16 gauge galvanized steel and mounted to both sides of the housing for ease of filter removal. Hinges and latches shall be permanently mounted to maintain factory tolerances in the field. Positive tension door locks shall provide a tight seal between the housing and the gasketing on the door. The gasket shall be oil and moisture resistant high density PVC foam gasket.

OPTIONS

- Weatherproofing, pitched roof with rain guard over the door
- 304L stainless steel
- Insulation
- Double wall insulation
- Vertical flow application
- Bottom access
- Custom flanged housing
- Static port(s)
- Magnehelic gauge
- Lifting lugs
- Transitions

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