

Microlock

V-Bank ASHRAE Housings

FEATURES

- Available in two depths
- Galvanized or stainless steel
- Welded construction
- Corner supports for rigidity
- Flexible filter configurations
- Gasketed, positive-tension doors
- V-Bank design
- Welded and caulked seams
- Large list of options

OPTIONS

- Vertical flow application
- Weather cover
- Bottom access
- Lifting lugs
- Transitions
- Custom and drilled flanges
- Double wall insulation
- Static port(s)
- Magnehelic gauge
- Seam welding



MICROLOCK VB ASHRAE HOUSINGS CONSTRUCTION & APPLICATIONS

The Microlock VB ASHRAE Housing is a permanent, single stage unit designed to hold ASHRAE rated prefilters. The Microlock VB ASHRAE Housing accommodates both 2 and 4 inch deep filters in a low pressure drop, V-Bank configuration.

The Microlock VB ASHRAE Housing is fabricated from galvanized steel or optional stainless steel, and utilizes a welded construction to ensure a robust assembly. In addition, the filter tracks inside the Microlock VB ASHRAE Housing are welded in place to guarantee years of dependable performance. Upstream corner supports increase the rigidity of the unit.

Each Microlock VB ASHRAE Housing is custom manufactured to meet specific end user requirements. The housing accommodates different types and efficiencies of ASHRAE rated filters, so specific efficiency and flow rates are determined by the

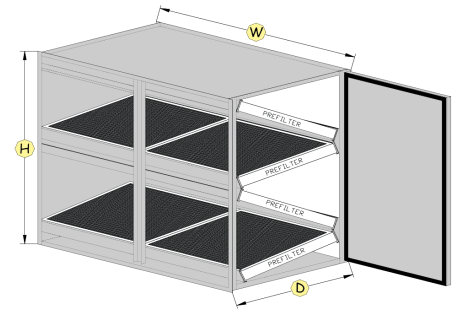
individual filter rating. The angled V-Bank design doubles the filter face area, allowing a smaller footprint in applications where space is at a premium. Positive tension door locks make filter servicing easy and combined with a perimeter gasketing around the door, ensures a positive seal.

Straight seams on the Microlock VB ASHRAE Housing are intermittently welded and silicone caulked to prevent air leakage.

The Microlock VB ASHRAE Housing comes with a large number of options so housings can be customized to meet any application specific requirements.

**MICROLOCK VB ASHRAE HOUSING
TECHNICAL DATA**

		UNIT WIDTH				
		1	2	3	4	
UNIT HEIGHT	1	Capacity	4,000 CFM	8,000 CFM	12,000 CFM	16,000 CFM
		Dimensions	26 ⁷ / ₈ x 26 ¹ / ₈ "	26 ⁷ / ₈ x 49 ¹ / ₂ "	26 ⁷ / ₈ x 72 ⁷ / ₈ "	26 ⁷ / ₈ x 96 ¹ / ₄ "
		No. Filters	2	4	6	8
		Face Area	8 sq. ft.	16 sq. ft.	24 sq. ft.	32 sq. ft.
	2	Capacity	8,000 CFM	16,000 CFM	24,000 CFM	32,000 CFM
		Dimensions	51 x 26 ¹ / ₈ "	51 x 49 ¹ / ₂ "	51 x 72 ⁷ / ₈ "	51 x 96 ¹ / ₄ "
		No. Filters	4	8	12	16
		Face Area	16 sq. ft.	32 sq. ft.	48 sq. ft.	64 sq. ft.
	3	Capacity	12,000 CFM	24,000 CFM	36,000 CFM	48,000 CFM
		Dimensions	75 ¹ / ₈ x 26 ¹ / ₈ "	75 ¹ / ₈ x 49 ¹ / ₂ "	75 ¹ / ₈ x 72 ⁷ / ₈ "	75 ¹ / ₈ x 96 ¹ / ₄ "
		No. Filters	6	12	18	24
		Face Area	24 sq. ft.	48 sq. ft.	72 sq. ft.	96 sq. ft.
	4	Capacity	16,000 CFM	32,000 CFM	48,000 CFM	64,000 CFM
		Dimensions	99 ³ / ₄ x 26 ¹ / ₈ "	99 ³ / ₄ x 49 ¹ / ₂ "	99 ³ / ₄ x 72 ⁷ / ₈ "	99 ³ / ₄ x 96 ¹ / ₄ "
		No. Filters	8	16	24	32
		Face Area	32 sq. ft.	64 sq. ft.	96 sq. ft.	128 sq. ft.



NOTES

- Capacity** is reported in CFM at a flow rate of 500 FPM
- Dimensions** are reported in exact size in inches and height x width
- Number of filters** are reported in quantity and nominal dimensions of 24 x 24 inch
- Face area** is reported as face area of air filters - nominal size in square feet
- Standard housing depths** relative to filter depth 2"-filter = 26³/₈", 4"-filter = 27³/₈"
- Special and half size units** are also available

MANN+HUMMEL is committed to continual product development - all descriptions, specifications and performance data are subject to change without notice. MANN+HUMMEL products are manufactured to exacting criteria - there can be a ±5% variance in filter performance.

LOCAL REPRESENTATIVE