

EliteV

ASHRAE Mini Pleat V-Bank Filters

OVERVIEW

The EliteV products are designed and tested to meet the requirements of High Purity critical manufacturing, commercial applications, and laboratories and reach maximum total cost of ownership (TCO) value due to high dust holding capacity. They fill the void between ASHRAE grade high-efficiency filters and ultra-high efficiency HEPA filters and are ideal for use in variable-air-volume (VAV) systems due to their rigid nature. The EliteV, mini pleat V-bank air filters are available in 2V and 4V configurations. Each style is offered in three efficiencies: MERV 11, MERV 13, MERV 14 and MERV 15. EliteV filters have a long service life which reduces expenses associated with materials and labor and lessens disruptions due to shut down for change-outs.

CONSTRUCTION

The EliteV Series includes two options for configuration, three options for efficiency and numerous options for size. Available in 2V or 4V, the EliteV filters are constructed with moisture-resistant, microfibre fiberglass media and can be ordered as MERV 11, MERV 13, MERV 14 and MERV 15.

Available in single header or box style, the EliteV filters utilize aerodynamic vertical supports, constructed from ABS plastic, to reduce air-entrance turbulence. The top and bottom sides of the frame are made of high-impact polystyrene (HIPS) to enhance rigidity. The EliteV's frame is equipped with a built-in pre-filter spacer and removal handles. The handles incorporated in the frame allow for ease of handling and filter removal, while the spacer reduces configuration loss when mounting a pre-filter directly to the EliteV filter. The frame is also fully incinerable.

The Elite2V is designed to be a fraction of the weight of standard cell box style air filters. It has a low initial pressure drop of 0.50 in. w.g. @ 500 fpm and 125 square feet of microfibre fiberglass media. In comparison, the Elite4V has an industry-leading pressure drop of 0.28 in. w.g. @ 500 fpm and 195 square feet of microfibre fiberglass media. A vital benefit of this filter's increased media area is its high dust holding capacity.

APPLICATION

The EliteV mini pleat V-bank air filters are ideal for use in applications located within a humid climate. They are also able to be used in VAV systems. Pamlico Air recommends the EliteV filters for applications in which they meet the requirements such as healthcare, life sciences, microelectronics, and other commercial and industrial applications.

ADDITIONAL OPTIONS

- ProPac Series - ASHRAE rigid box style filters (see DSPAC)
- ProPac Plus Series - ASHRAE rigid box style filters (see DSPPP)
- EliteCell Series - ASHRAE mini pleat filters (see DSELC)



PRODUCT SPOTLIGHT

- Available in nominal 12" depth
- MERV 11, 13, 14 & 15
- Available in 2V & 4V configurations
- Moisture-resistant media
- High-impact polystyrene (HIPS) cell sides
- UL Classified
- Max Temp: 175°F

CONSTRUCTION SPOTLIGHT



Mini pleat closeup

EliteV

ASHRAE Mini Pleat V-Bank Filters

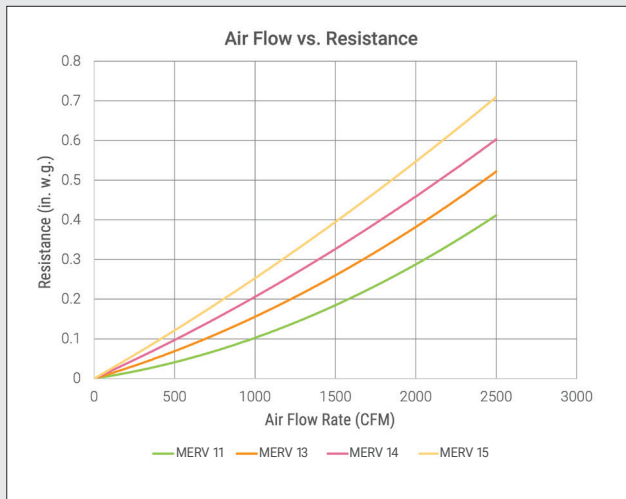
PERFORMANCE DATA

Nominal Depth	Nominal Size (WxHxD)	Actual Size (in.)			Air Flow @ Capacity (CFM)	Resistance @ Capacity (in. w.g.) - Elite2V				Resistance @ Capacity (in. w.g.) - Elite4V			
		Width	Height	Depth		M11	M13	M14	M15	M11	M13	M14	M15
12"	12x24x12	11.38	23.38	11.50	1000	0.29	0.39	0.45	0.55	0.20	0.25	0.35	0.45
	20x20x12	19.38	19.38		1400								
	20x24x12	19.38	23.38		1650								
	24x24x12	23.38	23.38		2000								

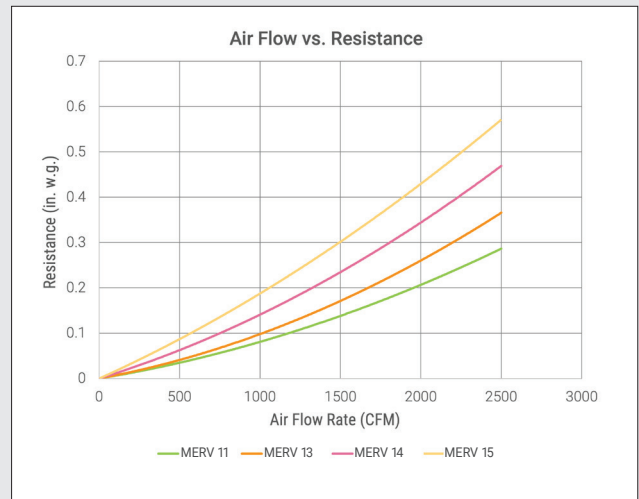
- Notes:
- 12" deep filters are rated at 500 fpm.
 - Filters designed to operate bidirectional.
 - Performance data is based on ASHRAE Test Standards 52.2 – 2017.

TECHNICAL DATA

Elite2V



Elite4V



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