

VariCel® VXLS

HIGH-EFFICIENCY SUPPORTED PLEAT FILTERS



- Available in MERV 15, MERV 13, and MERV 11
- Excellent performance in humid environments
- Lightweight and easy to install
- Fully incinerable
- Superior durability
- Reduced energy costs
- Made in USA

The VariCel VXLS filter is an 8-panel high efficiency filter designed for use in commercial and industrial HVAC installations. The filter delivers the desired air quality when used in systems with difficult operating conditions, such as turbulent airflow, repeated fan shutdown, or high humidity. The performance of the VariCel VXLS filter is not affected by difficult operating conditions, as it maintains a steady pressure drop throughout the life of the filter. The low initial resistance of the VariCel VXLS filter means less energy is required to maintain airflow.

Construction

The header and cell sides provide a sturdy construction that resists damage during shipping, handling, and operation. Constructed of plastic, the VariCel VXLS filter is fully incinerable and rust free. The media packs are sealed to the frame with polyurethane sealant.

Durable Self-Supported Media

The VariCel VXLS filter employs a highly uniform and durable media that helps resist tearing, abrasion, and handling damage. The gradient density construction offers low resistance to airflow and higher dust holding capacity than competing grades of synthetic media. The media is heat set during the pleating process, resulting in V-shaped pleats in a self-supported media pack.

Specifications

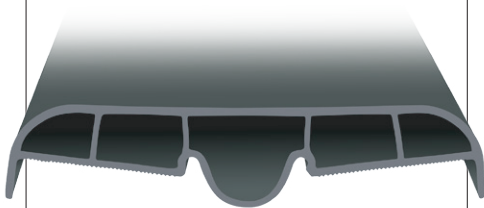
Maximum Operating Temperature: 176°F/80°C

Media: Gradient density synthetic composite formed into pleats.

Cell Sides: The molded end panels are made of high impact polystyrene (HIPS). The extruded vertical components are made of acrylonitrile butadiene styrene (ABS).

Sealant: Polyurethane

Underwriters Laboratories Classification: UL Classified. Testing was performed according to UL Standard 900.



Double-walled cross sectional support adds reinforced strength to the filter.

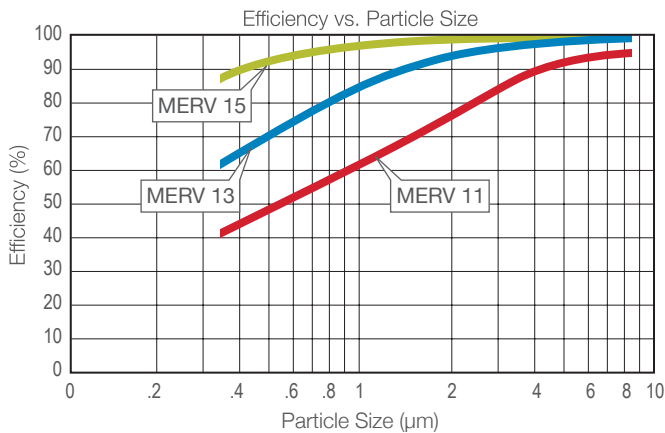
VariCel® VXLS Filters

Product Information

Sizes (Inches) (W x H x D)	Actual Sizes (Inches) (W x H x D)	Rated Airflow Capacity (SCFM)			Media Area (sq. ft.)
		Low	Med	High	
24 x 12 x 12	23 $\frac{3}{8}$ x 11 $\frac{3}{8}$ x 11 $\frac{1}{2}$	600	1,000	1,250	65
24 x 20 x 12	23 $\frac{3}{8}$ x 19 $\frac{3}{8}$ x 11 $\frac{1}{2}$	1,000	1,650	2,100	120
24 x 24 x 12	23 $\frac{3}{8}$ x 23 $\frac{3}{8}$ x 11 $\frac{1}{2}$	1,200	2,000	2,500	145

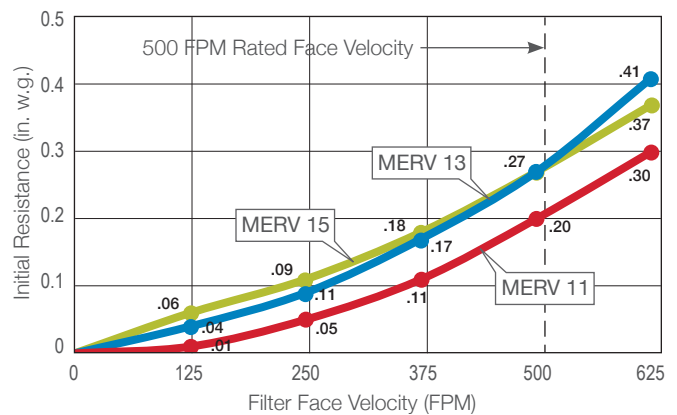
Performance Data

Composite Minimum Efficiency Curve



Tested in accordance with ASHRAE Standard 52.2.

Initial Resistance vs. Filter Face Velocity



Recommended final resistance for all VariCel® VXLS filters is 1.5 in. w.g.*
VariCel VXLS filters can be operated to 2.0 in. w.g.

*Significant energy savings may be realized by operating the VariCel VXLS filter to a lower final resistance. Contact your local AAF representative for a Total Cost of Ownership (TCO) analysis for your specific application.

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