THE WORLD LEADER IN CLEAN AIR SOLUTIONS

VariCel® VXL RC



HIGH EFFICIENCY SUPPORTED PLEAT FILTERS

- MERV 15/15A and MERV 14/14A efficiencies
- Excellent performance in difficult operating conditions
- Lightweight and easy to install
- Fully incinerable
- Single and double header models
- Available with antimicrobial
- Meets LEED® Project Certification efficiency requirements

The VariCel VXL filter is an 8-panel high efficiency filter designed for use in commercial and industrial HVAC installations. The VariCel VXL filter delivers the desired air quality when used in systems with difficult operating conditions, such as variable air volume, turbulent airflow, repeated fan shutdown, or moderate to high humidity. VariCel VXL filters can be used in high velocity systems operating at up to 750 FPM.



Header on the end panels allows installation in reverse flow installations.

Multiple mini-pleat media packs, assembled into a series of V-banks, permit substantially more media to be contained in the VariCel VXL filter—up to 50% more than standard rigid cartridge filters. Maximum effective media area provides greater airflow capacity, low resistance, high Dust Holding Capacity (DHC), and unusually long service life.

Construction

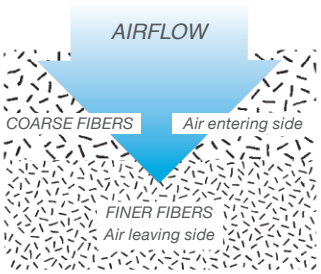
The header and cell sides provide a sturdy construction that resists damage during shipping, handling, and operation. Constructed of plastic, the VariCel VXL filter is fully incinerable.

Separators

The thermoplastic separators maintain uniform spacing between pleats to allow optimal flow of air into and through the filter. They also ensure a large effective media area for low resistance and high DHC.

Dual-Density Media Reduces Operating Costs

The VariCel VXL media is manufactured with two layers of glass fibers, coarse fibers on the air entering side and finer fibers on the air leaving side.



Our dual-density design allows dirt particles to be collected throughout the entire depth of the media pack, utilizing the full filtering potential of the media and maximizing dust holding. Maximum DHC extends the life of the filter, minimizing operating costs.

Specifications

Maximum Operating Temperature: 176˚F (80˚C)

Media: Moisture-resistant, dual-density microglass paper formed into pleats.

Frame: The molded end panels are made of high impact polystyrene (HIPS).

Separators: Continuous beads of low profile thermoplastic material.

Underwriters Laboratories Classification: UL and ULC Classified. Testing was performed in accordance with UL 900 and CAN/ULC-S111.

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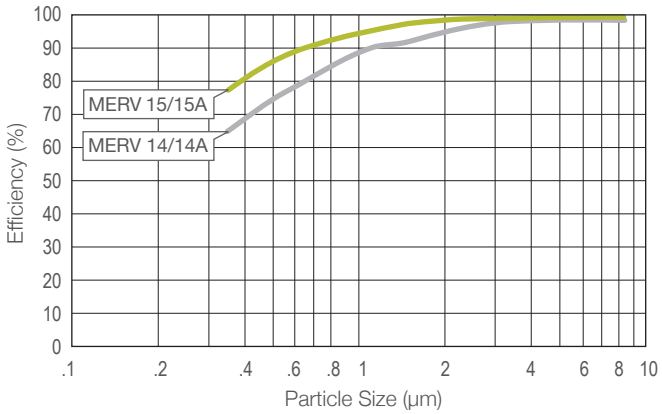
VariCel® VXL RC Filters

Product Information – Standard Sizes

Nominal 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	
20 x 20 x 12	19⅜ x 19⅜ x 12	1,400	1,750	2,100	137
24 x 12 x 12	23⅜ x 11⅜ x 12	1,000	1,250	1,500	88
24 x 20 x 12	23⅜ x 19⅜ x 12	1,650	2,100	2,500	161
24 x 24 x 12	23⅜ x 23⅜ x 12	2,000	2,500	3,000	197

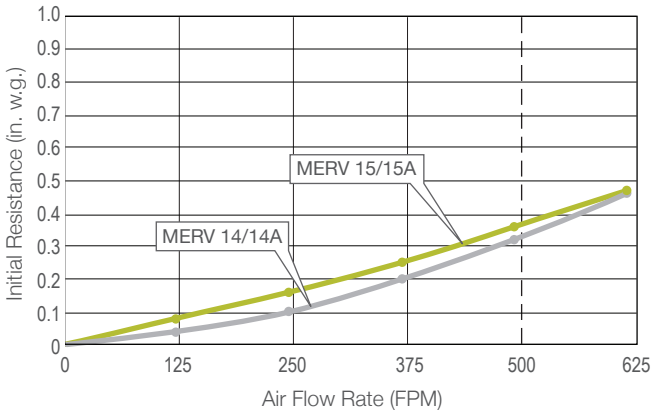
Performance Data

Composite Minimum Efficiency Curve



Tested in accordance with ASHRAE Standard 52.2.

Initial Resistance vs. Filter Face Velocity



Maximum recommended final resistance for all VariCel® VXL filters is 2 in. w.g.*

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

VariCel® is a registered trademark of AAF International in the U.S. and other countries.

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ISO Certified Firm

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