THE WORLD LEADER IN CLEAN AIR SOLUTIONS

VariCel® VXL

HIGH EFFICIENCY SUPPORTED PLEAT FILTERS

- Available in efficiencies ePM1 and ePM10 (ISO 16890); M6–F9 (EN779:2012)
- Excellent performance in difficult operating conditions
- Lightweight and easy to install
- Fully incinerable
- Single and double header models

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 shut-down, 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.

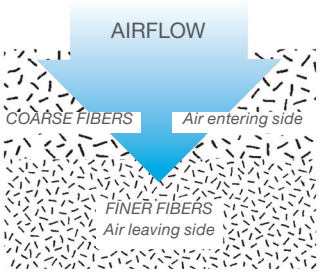
Separators

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: 70 °C

Media: Fiberglass

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

Separators: Hot-melt

AAF® INTERNATIONAL

VariCel® VXL Filters

Standard Configuration

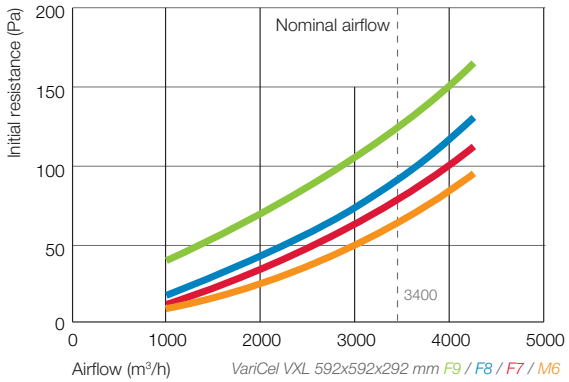
Filter medium		Header	
Material	Fiberglass	Material	Combination of HIPS (High Impact Polystyrene) and ABS
Pack design	Mini-pleat V-shape	Depth	25 mm. Optional: 20 mm
Separator	Hot-melt	**Filter frame**	
Gasket		Material	Combination of HIPS (High Impact Polystyrene) and ABS
Material	Optional: Polyurethane foamed endless	Sealant	Polyurethane

Performance Data

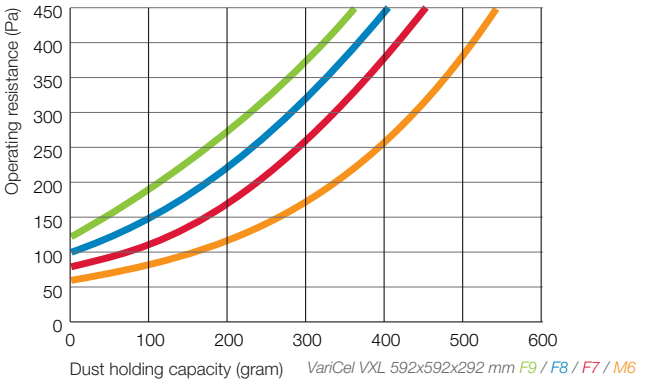
Filter	Part number	Dimensions (mm) W x H x D	Filter area (m^2)	Number of pockets or V	Nominal airflow (m^3/h)	DHC acc. EN779 (g)	EN779:2012 Classification	Initial dp (Pa)	Energy Rating	ISO 16890 Classification	ePM1 (%)	ePM2,5 (%)	ePM10 (%)
VariCel® VXL M6	22-5240-0065	592 x 592 x 292	14,5	4	3400	575	M6	65	C	ePM10 70%	33	44	74
VariCel® VXL F7	22-6240-0065	592 x 592 x 292	14,5	4	3400	475	F7	75	B	ePM1 55%	57	67	88
VariCel® VXL F8	22-7240-0065	592 x 592 x 292	14,5	4	3400	425	F8	95	B	ePM1 75%	77	83	94
VariCel® VXL F9	22-8240-0065	592 x 592 x 292	14,5	4	3400	400	F9	120	B	ePM1 85%	86	90	96

The Width (W) and Height (H) dimensions are interchangeable. All performance data are based on EN779:2012. Reported values for energy class and annual energy consumption are based on Eurovent Guideline 4/21 2014 and RS 4/C/001-2015. Recommended final resistance is subject to optimization of lifecycle costs, be it maximum 600 Pa (a maximum of 450 Pa is used for classification purposes). Filters can be operated at 75% to 125% of the nominal airflow of 3400 m^3/h. Maximum operating temperature is 70 °C (continuous).

Airflow versus operating resistance



Dust holding capacity versus operating resistance



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

VariCel® is a registered trademark of AAF International in Europe and other countries.

AAF International
European Headquarters
Robert-Bosch-Straße 30-32, 64625 Bensheim
Tel: +49 6251 80368 – 0, Fax: +49 6251 80368 – 20
aafintl.com

AAF has a policy of continuous product research and improvement and reserves the right to change design and specifications without notice.

ISO Certified Firm CF_406_EN_052018