

# VariCel<sup>®</sup> V Aero

## EFFECTIVE REDUCTION OF AIRBORNE VIRAL CARRIERS

### Features and Benefits

- ISO 16890: ePM1 95%
  - High filtration efficiency up to EPA filter classes
  - High moisture resistance
  - Plastic grid protection on the downstream side provides additional protection for the media package, e.g. during maintenance works
  - Quick and easy maintenance
- **VariCel V Aero (292 mm depth)** reliably increases filtration efficiency
  - The extra large filter area of the **VariCel V Aero (440 mm depth)** compared to the 292 mm provides not only an increase in filter efficiency, but also a further increase in dust holding capacity and, due to the lower pressure drop, has an even lower total cost of ownership



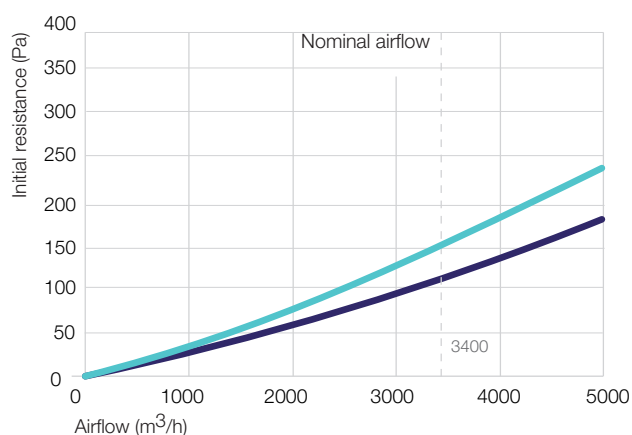
### Applications

The VariCel V Aero filter is an 8-panel high efficiency filter designed for to upgrade the final filter stage of HVAC systems. The use is recommended wherever highest possible efficiency on (bio)aerosols is needed and no compromise in terms of Indoor Air Quality is advisable.

### Configurations

<b>Filter media</b>	Glass fibre
<b>Pack design</b>	Mini-pleat V-shape
<b>Separator</b>	Hot-melt
<b>Gasket (optional)</b>	Polyurethane foamed endless gasket
<b>Header</b>	HIPS. Depth 25 mm, optional 20 mm header available
<b>Max. Operating Temperature</b>	70 °C
<b>Recom. final pressure drop</b>	Subject to optimization of lifecycle costs, max 450 Pa
<b>Recom. airflow range</b>	75% - 125% (of nominal airflow)
<b>Moisture resistance</b>	100% relative humidity

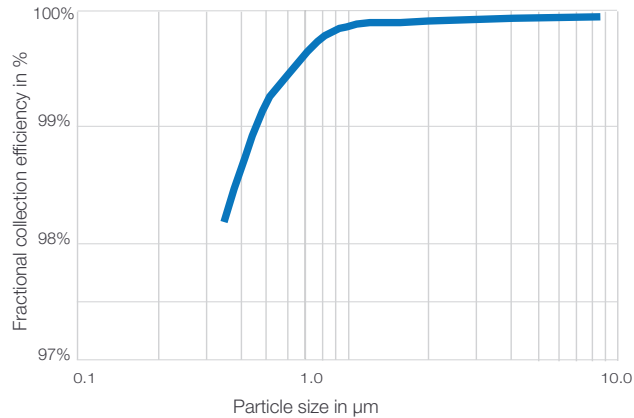
### Performance VariCel V Aero



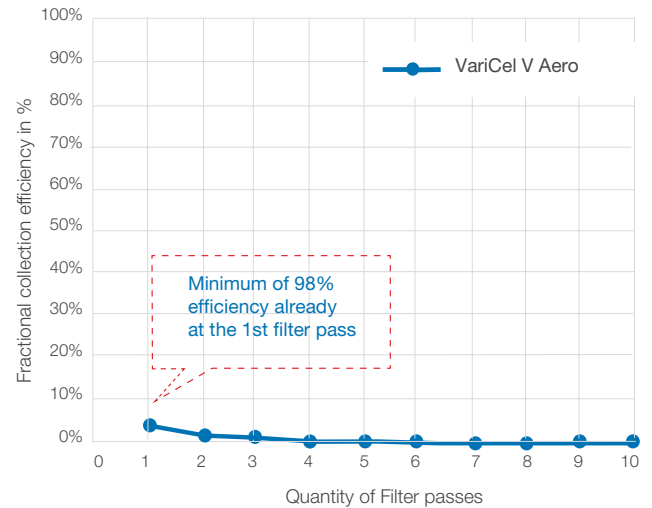
VariCel V Aero - ePM1 95% 592x592x292 / ePM1 95% 592x592x440

# VariCel<sup>®</sup> V Aero

## VariCel<sup>®</sup> V Aero ePM1 95%



## Percentage of 0,3µm-1,0µm virus-carrying particles remaining in the air stream



## Technical data

Filter name	Dimensions (mm) W x H x D	Filter area (m <sup>2</sup> )	Number of V's	Initial dp (Pa)	Airflow m <sup>3</sup> /h	Eurovent 4/21:2018		ISO 16890 Classification	Average values		
						kWh	Energy Rating		ePM1 (%)	ePM2,5 (%)	ePM10 (%)
VariCel V Aero ePM1 95%	592x592x292	17,6	4	150	3400	2100	D	ePM1 95%	99	99	99
VariCel V Aero ePM1 95%	592x592x440	25,7	4	115	3400	1390	A	ePM1 95%	99	99	99

From January 1st 2018 filtration efficiency values are certified according to ISO 16890.

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



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