

# VariCel<sup>®</sup> M-Pak

## LOW DEPTH EXTENDED SURFACE MEDIA FILTER

### Features and Benefits

- ISO 16890: ePM1 and ePM10
- Space saving design
- Lightweight
- Non-corrosive
- Fully incinerable

### Applications

- Pre-filtration in central air handling systems and industrial installations under turbulent conditions
- The filter is also suitable for use in VAV or in systems typified by repeated fan shut down, turbulent airflow, side access or high relative humidity.



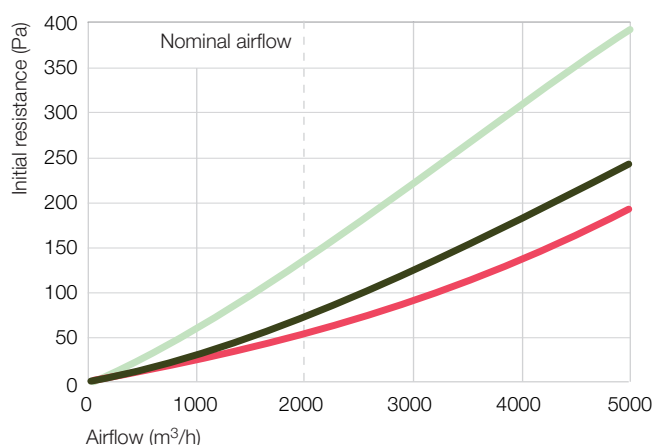
### Configurations

<b>Filter media</b>	Glassfibre. Optional: Antimicrobial treated
<b>Separator</b>	Hot-melt
<b>Gasket (optional)</b>	Polyurethane foamed endless gasket
<b>Header</b>	HIPS. Depth 20 mm
<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

### Standard dimensions

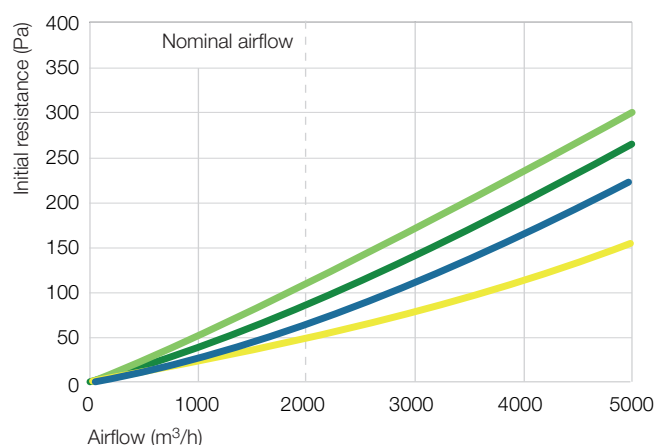
<b>Dimension</b>	592 x 592	490 x 592	287 x 592	592 x 490	592 x 287	490 x 490
<b>Depth Single Header</b>	292 + 149 + 100					
<b>Depth Double Header</b>	292					

### Performance VariCel M-Pak, 100 mm depth



VariCel M-Pak - ePM1 80% 592x592x100 / ePM1 55% 592x592x100 / ePM10 70% 592x592x100

### Performance VariCel M-Pak, 149 mm depth



VariCel M-Pak - ePM1 80% 592x592x149 / ePM1 65% 592x592x149 / ePM1 55% 592x592x149 / ePM10 70% 592x592x149



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# VariCel® M-Pak Filter

## Technical data

Filter name	Dimensions (mm) W x H x D	Filter area (m <sup>2</sup> )	Initial dp (Pa) @ 2000 m <sup>3</sup> /h	Prev. rated EN779:2012	Eurovent 4/21:2018			Average values		
					kWh	Energy Rating	ISO 16890 Classification	ePM1 (%)	ePM2,5 (%)	ePM10 (%)
VariCel M-Pak ePM1 55%	592x592x292	9,8	70	F7	> 2000	E	ePM1 55%	59	66	88
	592x592x149	9,8	70	F7	> 2000	E	ePM1 55%	59	66	88
	592x592x100	7,1	75	F7	> 2000	E	ePM1 55%	59	66	88
VariCel M-Pak ePM1 65%	592x592x292	11,5	90	F8	> 2050	E	ePM1 65%	69	76	90
	592x592x149	11,5	90	F8	> 2050	E	ePM1 65%	69	76	90
VariCel M-Pak ePM1 80%	592x592x292	11,5	110	F9	> 2400	E	ePM1 80%	81	86	94
	592x592x149	11,5	110	F9	> 2400	E	ePM1 80%	81	86	94
	592x592x100	8,2	140	F9	> 2400	E	ePM1 80%	81	86	94
VariCel M-Pak ePM10 70%	592x592x292	9,8	45	M6	> 1300	E	ePM10 70%	28	42	71
	592x592x149	9,8	45	M6	> 1300	E	ePM10 70%	28	42	71
	592x592x100	7,1	50	M6	> 1300	E	ePM10 70%	28	42	71

Further dimensions are available on request. From January 1st 2018 filtration efficiency values are certified according to ISO 16890.

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



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