VariCel® 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 airfl ow, side access or high relative humidity.

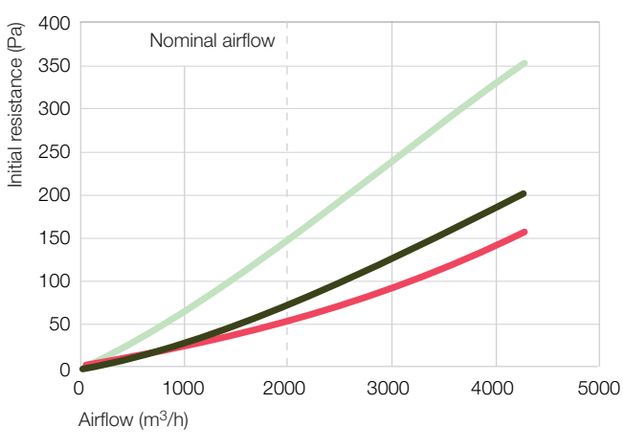
Configurations

Filter media	Glassfibre. Optional: Antimicrobial treated
Separator	Hot-melt
Gasket	Optional
Header	HIPS. Depth 20 mm
Max. operating temperature	70 °C
Recom. final pressure drop	Subject to optimization of lifecycle costs, max 450 Pa
Recom. airflow range	75% - 125% (of nominal airflow)
Moisture resistance	100% relative humidity

Standard dimensions

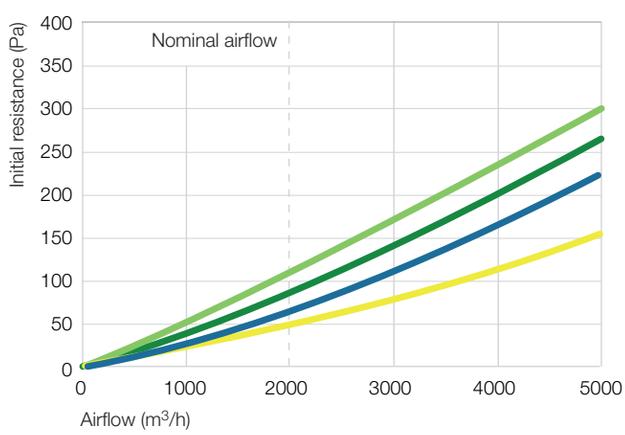
Dimension	592 x 592	490 x 592	287 x 592	592 x 490	592 x 287	490 x 490
Depth Single Header	149 + 100					
Depth Double Header	292					

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^2)	Initial dp (Pa) @ 2000 m^3/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	150	F9	> 2400	E	ePM1 80%	81	86	94
VariCel M-Pak ePM10 70%	592x592x292	9,8	50	M6	> 1300	E	ePM10 70%	28	42	71
	592x592x149	9,8	45	M6	> 1300	E	ePM10 70%	20	32	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.

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