

# VariCel<sup>®</sup> M-Pak



## LOW DEPTH EXTENDED SURFACE MEDIA FILTER

### Features and Benefits

- Space saving design
- Lightweight
- Filter class M6 to F9 in according to EN779:2012
- Non corrosive
- Fully incinerable

### Cost Saving Filter

When installation space is limited and high quality air filtration is required, VariCel M-Pak is the ideal filter. This filter offers OEM's the opportunity to minimize the space requirement of their air handling units and reduce costs. The filter is also suitable for use in existing installations such as VAV or in systems typified by repeated fan shut down, turbulent airflow, side access or high relative humidity. The filter is available in filter class M6 through F9 in accordance with EN779:2012.

### Construction

The header and cell sides of the M-Pak are constructed of high-impact polystyrene. The design, which encloses a fixed media pack, creates a rugged filter that resists damage during shipping, handling and operation. All components of the VariCel<sup>®</sup> M-Pak are fully incinerable. Hotmelt separators maintain uniform spacing between pleats to allow optimal air into, and through, the filter. The filter is optionally available with a biostatic treated media which inhibits the growth of microbial growth on the filter and improves the indoor air quality.

### Temperature Limit

The filter has a operating temperature limit of 70 °C.

VariCel M-Pak is also available with antimicrobial treated media.

# VariCel M-Pak Filter

## Standard configuration

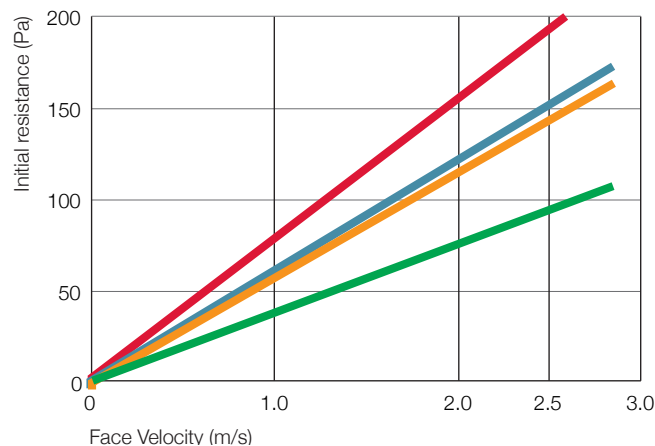
Filter medium		Filter frame	
Material	High efficiency water resistant fibreglass	Material	MDF or beverage cardboard
Gasket			
Material	Optional: Dry seal gasket		

## Product information

Filter	Part number	Dimensions (mm) W x H x D	Filter area (m <sup>2</sup> )	Number of pockets or V	Nominal airflow (m <sup>3</sup> /h)	DHC acc. EN779 (g)	EN779:2012 Classification	Initial dp (Pa)	Energy Rating	ISO 16890 Classification	ePM1 (%)	ePM2,5 (%)	ePM10 (%)
VariCel® M-PAK VM7S	27-7220-0065	592 x 592 x 292	9,6	-	3400	150	F7	140	E	ePM1 55%	59	66	88
VariCel® M-PAK VM8S	27-8220-0065	592 x 592 x 292	11,8	-	3400	200	F8	150	C	ePM1 65%	69	76	90
VariCel® M-PAK VM9S	27-9220-0065	592 x 592 x 292	11,8	-	3400	150	F9	190	D	ePM1 80%	81	86	94
VariCel® M-PAK VM6S	27-6220-0065	592 x 592 x 292	9,6	-	3400	275	M6	110	E	ePM10 70%	28	42	71

Further dimensions are available on request. Until December 31st 2017 filtration efficiency values are certified according to EN779:2012. From January 1st 2018 filtration efficiency values are certified according to ISO 16890.

## Resistance vs Face Velocity



# VariCel M-Pak Filter

## Legend

Type	VM	VariCel M-Pak
Filter Class	6	M6 to EN779:2012
	7	F7 to EN779:2012
	8	F8 to EN779:2012
	9	F9 to EN779:2012
Execution	S	Single Header
	D	Double Header
Gasket	None	No gasket
	C	Foamed gasket at rear of flange (CAS)
	D	Foamed gasket at front of flange (DAS)
	B	Foamed gasket at both sides (Only with D)
Nominal size code (Inch)	2424 6	Nominal sizes are 12, 16, 20, 24
	2424 12	Nominal sizes are 12, 20, 24
Header	A	20 mm

1) Filters can be operated up to 125% of rated capacity.

2) Performance data according to EN779:2012.

3) Recommended final resistance: 450 Pa.

4) For style code see legend.

5) Width and Height dimensions are interchangeable. VariCel M-Pak filters can be installed horizontally or vertically.

6) For maximum service life, VariCel M-Pak filters should always be operated with a prefilter.

7) Only air filters tested at an airflow of 3400 m<sup>3</sup>/h are granted an energy efficiency label (based on Eurovent Guideline 4/21 2014 and RS 4/C/001-2015).

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



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