

VariCel® EcoPak



HIGH EFFECIENCY COMPACT FILTER

Features and Benefits

- Available in M6, F7, F8 and F9 according to EN779:2012
- Non corrosive
- Fully incinerable compact construction
- In line with VDI 6022 and EN13779

These filters are used as either prefilters or main filters in industrial and commercial HVAC installations. The VariCel EcoPak filter may be used instead of panel filters. This upgrade in efficiency results in better filtration of fine particles. This filter is available in two different depths, 48 mm and 98 mm.

Construction

The cell sides of the VariCel EcoPak filter are constructed of high-impact polystyrene. All components of the VariCel EcoPak filter are fully incinerable and non-corrosive. Hot melt separators maintain uniform spacing between pleats to allow optimal air into and through the filter.

Operating temperature

This filter has an operating temperature limit of 70 °C. The VariCel EcoPak filter is also available with antimicrobial treated filtermedia.

VariCel® EcoPak Filter

Standard configuration

| Filter medium | | Header | |
|---------------|--|----------|------|
| Material | High efficiency water resistant fibreglass | Material | HIPS |
| Gasket | | | |
| Material | Optional: Dry seal gasket | | |

Product information

| 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® ECOPAK VEP7 | 25-6672-2201 | 592 x 592 x 98 | 11,4 | - | 3400 | 250 | F7 | 155 | E | ePM1 55% | 59 | 66 | 88 |
| VariCel® ECOPAK VEP7 | 25-6682-2201 | 592 x 592 x 48 | 6,7 | - | 2000 | 175 | F7 | 80 | - | ePM1 55% | 59 | 66 | 88 |
| VariCel® ECOPAK VEP8 | 25-7672-2201 | 592 x 592 x 98 | 11,4 | - | 3400 | 175 | F8 | 180 | D | ePM1 65% | 68 | 76 | 90 |
| VariCel® ECOPAK VEP8 | 25-7682-2201 | 592 x 592 x 48 | 6,7 | - | 2000 | 100 | F8 | 100 | - | ePM1 65% | 68 | 76 | 90 |
| VariCel® ECOPAK VEP9 | 25-8672-2201 | 592 x 592 x 98 | 11,4 | - | 3400 | 150 | F9 | 215 | D | ePM1 80% | 81 | 86 | 94 |
| VariCel® ECOPAK VEP9 | 25-8682-2201 | 592 x 592 x 48 | 6,7 | - | 2000 | 75 | F9 | 130 | - | ePM1 80% | 81 | 86 | 94 |
| VariCel® ECOPAK VEP6 | 25-5672-2201 | 592 x 592 x 98 | 11,4 | - | 3400 | 250 | M6 | 125 | E | ePM10 70% | 28 | 42 | 71 |
| VariCel® ECOPAK VEP6 | 25-5682-2201 | 592 x 592 x 48 | 6,7 | - | 2000 | 150 | M6 | 70 | - | 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.

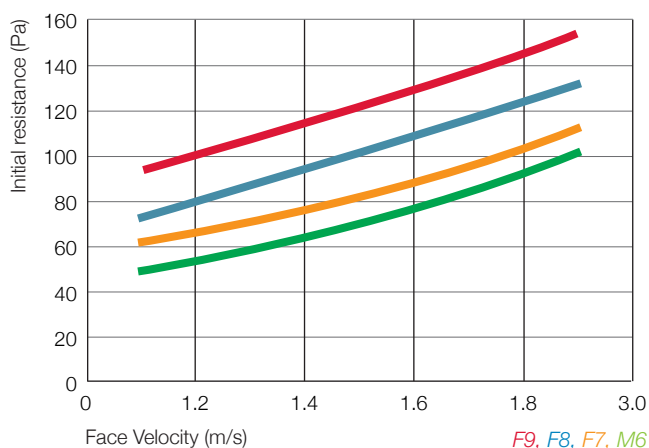
VariCel® EcoPak Filter

Legend

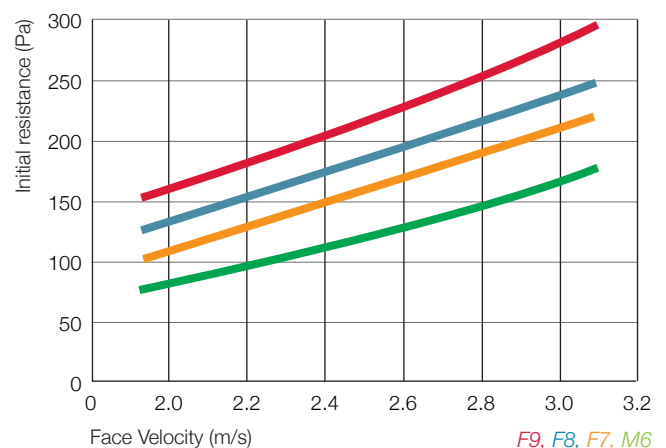
| Type | VE | VariCel EcoPak |
|-----------------|-------|------------------|
| Filter class | 6 | M6 to EN779:2012 |
| | 7 | F7 to EN779:2012 |
| | 8 | F8 to EN779:2012 |
| | 9 | F9 to EN779:2012 |
| Size | 24242 | 592 x 592 x 48 |
| | 20242 | 490 x 592 x 48 |
| | 12242 | 287 x 592 x 48 |
| | 12122 | 287 x 287 x 48 |
| | 24244 | 592 x 592 x 98 |
| | 20244 | 490 x 592 x 98 |
| | 12244 | 287 x 592 x 98 |
| | 12124 | 287 x 287 x 98 |
| Gasket | P | no gasket |
| | S | foamed |
| | X | polyurethane |
| | | gasket |
| | | special |
| Gasket location | 2 | one side |
| | 3 | two sides |

Example: VE 6 24242

Resistance vs Face Velocity 48 mm



Resistance vs Face Velocity 98 mm



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

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CF_409_EN_042017