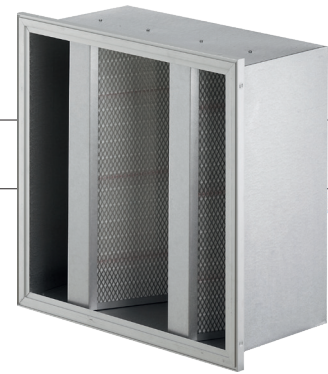


VariCel® V HT



HIGH TEMPERATURE MINIPLEAT FILTER FOR THE AUTOMOTIVE INDUSTRY

Features and Benefits

- ISO 16890: ePM1 and ePM 10
- Designed for recirculation systems in drying lines
- High temperature, high turbulence operation
- Robust, heat resistant materials
- Classification ranges M6, and F7 according to EN779:2012
- Silicon free construction

The VariCel V HT filter is designed for use in the recirculation systems of drying ovens. Made of sturdy materials this filter has a maximum continuous operating temperature of 385 °C. Aluminized steel is used because it does not spall or flake at elevated temperatures. To ensure a high integrity construction, headers and cell sides are mechanically interlocked. The filter is silicon free: no adhesives, sealants or glues are used which could degrade at high temperatures, causing structural damage to the filter or affecting the quality of the drying process.

Filter strength is further enhanced by faceguards on the air entering and leaving sides. The filter is available in the classification ranges M6 and F7 in accordance with EN779:2012



VariCel® V HT Filter

Specifications

| | |
|--------------------------------|--|
| Maximum operating temperature: | 385 °C |
| Media: | Glassfibre |
| Cell sides: | Aluminized steel |
| Header: | Extruded aluminium with provisions for gasket applications on both sides |
| Separators: | Glass media ribbon |
| Gasket: | Glass rope on either the air leaving side or air entering side |
| Faceguards: | Aluminized steel |

Specification

| 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® V HT M6 | 22-5500-7065 | 592 x 592 x 295 | 9,6 | 2 | 3400 | - | M6 | 140 | E | ePM10 70% | 28 | 42 | 71 |
| VariCel® V HT F7 | 20-7400-0202 | 592 x 592 x 295 | 9,6 | 2 | 3400 | | F7 | 180 | E | ePM1 50% | 54 | 64 | 82 |

Notes:

- 1) The airflow capacity is 100%. Filter can operate upto 25% above the suggested airflow capacity.
- 2) VariCel V HT filters cannot operate in conditions that exceed final resistance of 450 Pa.

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



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HT_604_EN_112018