

VariCel® II HT

HIGH TEMPERATURE AIR FILTER



Features and Benefits

- Operating temperature of 385 °C
- Filter classifications M6 and F8 according to EN779:2012
- Final resistance: 450 Pa
- Silicon free construction
- Extruded aluminium cell sides with glass fibre media
- Recycle/disposal friendly

Applications

These sturdy economical panel filters are used for general air filtration in all types of cooling, heating and ventilating systems.

Construction

The VariCel II HT filter is a high temperature compact air filter that is designed for use in automotive drying tunnel installations. The filter features a mini-pleated media pack housed in a sturdy extruded aluminium profile, protected by faceguards on the air entering and air leaving sides. The filter has a one piece glass rope gasket located on one side. No silicon based adhesives, sealants or glues are used that could degrade at high temperatures and affect the curing process.

Recycling /Disposal

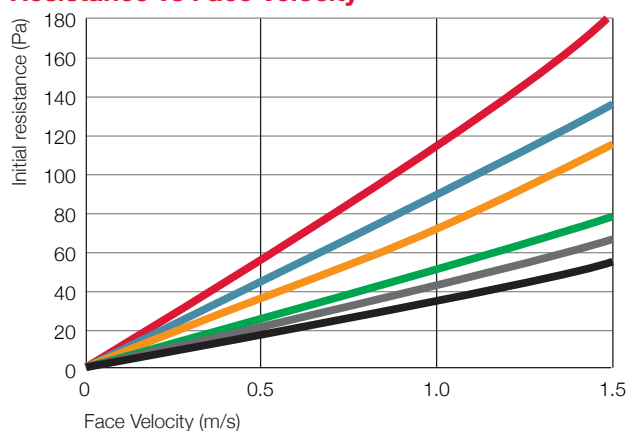
Professional disposal in accordance with valid regulation can be arranged by AAF. This includes return of used filters or metal parts only against a credit for the metal parts. Complete disposal of the filters can be arranged in cooperation with an authorized disposal company, avoiding uncontrolled disposal. With this method AAF contributes to the protection of resources and the environment.

VariCel® II HT Filter

Specifications

| | |
|----------------------------------|-------------------------------------|
| Max. operating temperature: | 385 °C, with a peak of 480 °C |
| Media: | Glassfibre |
| Cell sides: | Extruded aluminium profile |
| Separators: | Glass ribbon separator |
| Gasket: | Glass rope on one side |
| Faceguards: | Chrome alloy on both sides |
| Material separation / recycling: | Consult your local AAF sales office |

Resistance vs Face Velocity



V2HT10-13P, V2HT10-13N, V2HT10-13S, V2HT6-13P, V2HT6-13N, V2HT6-13S

Specification

| Size ¹⁾ mm W x H x D ⁵⁾ | Airflow capacity ²⁾³⁾ | | Initial Resistance Pa | Style Code | Filter Area m ² | Filter Classification according to EN779:2012 |
|---|----------------------------------|-----------|--------------------------|----------------|-------------------------------|--|
| | @ 1 m/s | @ 1,3 m/s | | | | |
| 305 x 610 x 55 | 670 | 870 | 50/65 | V2HT6-13P2/P1 | 2,4 | M6 |
| 610 x 610 x 55 | 1340 | 1740 | 50/65 | V2HT6-13P2/P1 | 5,4 | M6 |
| 457 x 915 x 55 | 1500 | 1960 | 50/65 | V2HT6-13P2/P1 | 6,2 | M6 |
| 305 x 610 x 78 | 670 | 870 | 40/55 | V2HT6-13N2/N1 | 3,3 | M6 |
| 610 x 610 x 78 | 1340 | 1740 | 40/55 | V2HT6-13N2/N1 | 6,5 | M6 |
| 457 x 915 x 78 | 1500 | 1960 | 40/55 | V2HT6-13N2/N1 | 7,3 | M6 |
| 305 x 610 x 78 | 670 | 870 | 30/45 | V2HT6-13S1/S2 | 3,7 | M6 |
| 610 x 610 x 78 | 1340 | 1740 | 30/45 | V2HT6-13S1/S2 | 7,4 | M6 |
| 457 x 915 x 78 | 1500 | 1960 | 30/45 | V2HT6-13S1/S2 | 8,3 | M6 |
| 305 x 610 x 55 | 670 | 870 | 110/155 | V2HT10-13P2/P1 | 2,4 | F8 |
| 610 x 610 x 55 | 1340 | 1740 | 110/155 | V2HT10-13P2/P1 | 5,4 | F8 |
| 457 x 915 x 55 | 1500 | 1960 | 110/155 | V2HT10-13P2/P1 | 6,2 | F8 |
| 305 x 610 x 78 | 670 | 870 | 90/120 | V2HT10-13N2/N1 | 3,3 | F8 |
| 610 x 610 x 78 | 1340 | 1740 | 90/120 | V2HT10-13N2/N1 | 6,5 | F8 |
| 457 x 915 x 78 | 1500 | 1960 | 90/120 | V2HT10-13N2/N1 | 7,3 | F8 |
| 305 x 610 x 78 | 670 | 870 | 75/100 | V2HT10-13S2/S1 | 3,7 | F8 |
| 610 x 610 x 78 | 1340 | 1740 | 75/100 | V2HT10-13S2/S1 | 7,4 | F8 |
| 457 x 915 x 78 | 1500 | 1960 | 75 /100 | V2HT10-13S2/S1 | 8,3 | F8 |

Notes:

- VariCel® II HT filters can be installed with pleats in either horizontal or vertical position.
- Airflow capacity based on condition 20°C, sea level, 1 Bar.
- The airflow capacity is 100%. Filter can operate up to 125% above the suggested airflow capacity.
- VariCel® II HT filters cannot operate in conditions that exceed a final resistance of 450 Pa.

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



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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