

BioCel[®] V HT



HIGH TEMPERATURE MINIPLEAT FILTER

Features and Benefits

- Designed for recirculation systems in drying lines
- High temperature, high turbulence operation
- Robust, heat resistant materials
- Classification E10 to EN1822
- Silicon free construction

The BioCel 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 that could degrade at high temperatures, causing structural damage to the filter or affecting the quality of the drying process.

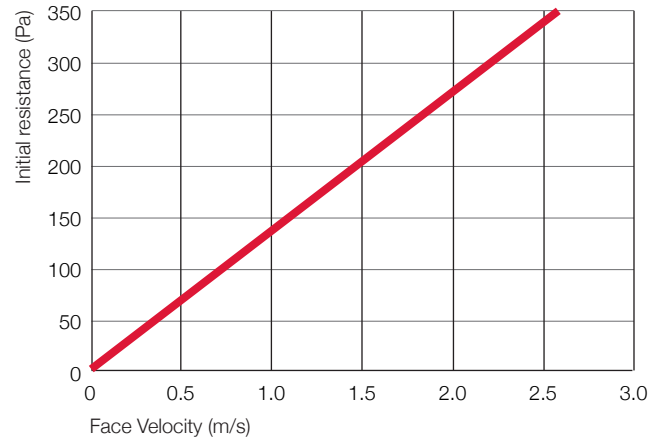
Filter strength is further enhanced by faceguards on the air entering and leaving sides. The filter is available in the classification E10 in accordance with EN1822.

BioCel® V HT Filters

Technical Data

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

Resistance vs Face Velocity



Specification

Size ¹⁾ mm W x H x D ⁵⁾	Airflow capacity ²⁾³⁾		Initial Resistance Pa	Recommended Final Resistance ⁴⁾ Pa	Filter Area m ²	Filter Classification Acc to EN1822
	m ³ /h	m ³ /s				
592 x 592 x 295	2500	0,71	250	450	9,6	E10
287 x 592 x 295	1250	0,35	250	450	4,8	E10
610 x 610 x 295	2500	0,71	250	450	10,0	E10

- 1) BioCel HT filters should always be installed with the separators in a vertical position.
 2) Airflow capacity based on condition - 20 °C, Sea level - 1 Bar.
 3) The airflow capacity is 100%. It can operate upto 25% above the suggested airflow capacity.
 4) BioCel HT filters cannot operate in conditions that exceed a final resistance of 450 Pa.
 5) BioCel HT filters are class 1 approved when tested according to U.L. Standard 900.
 6) Other sizes upon application.

BioCel® is a registered trademark of AAF International in the US and other countries.



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