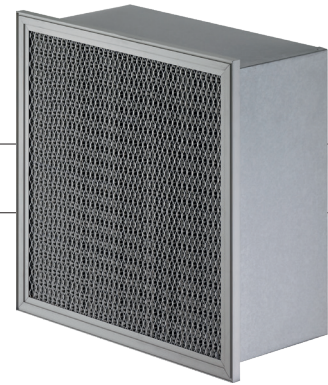


BioCel[®] HT

HIGH TEMPERATURE COMPACT FILTER



Features and Benefits

- Improves air quality in drying lines
- High temperature operation: 385 °C
- Robust, heat resistant aluminized materials
- Classification E10 to EN1822:2009
- Silicon free construction

The BioCel HT filter is designed for use in drying ovens. Made of sturdy aluminized steel, 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 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.

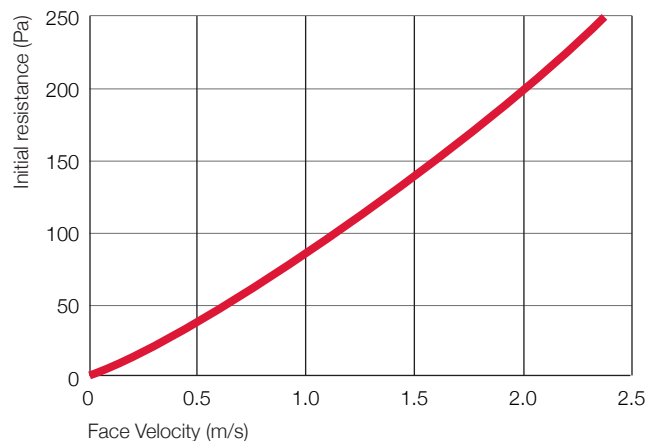
Filter strength is further enhanced by aluminized faceguards and support bars on the leaving sides. The filter is available in the classification range E10 in according to EN1822:2009.

BioCel® HT Filter

Technical Data

Maximum operating temperature:	385 °C
Media:	Fibreglass
Cell sides:	Aluminized steel
Header:	Extruded aluminium with provisions for gasket
Separators:	Corrugated aluminium
Gasket:	Glass rope on either the air leaving side or air entering side
Faceguards:	Aluminized steel
Support bars:	Aluminized steel (2 at right angles on air leaving side)

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 292	3000	0,83	250	450	13,7	E10
287 x 592 x 292	1500	0,42	250	450	6,4	E10
610 x 610 x 292	3000	0,83	250	450	14,6	E10
305 x 610 x 292	1500	0,42	250	450	6,8	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.

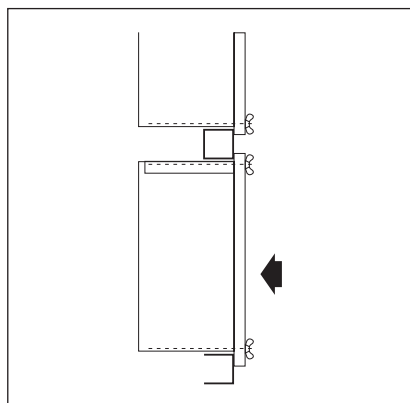
3) The airflow capacity is 100%. It can operate upto 25% above the suggested airflow capacity.

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.

Installation example



BioCel® is a registered trademark of AAF International in the US 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

AAF International has a policy of continuous product research and improvement and reserves the right to change design and specifications without notice.

©2017 AAF International and its affiliated companies.
HT_606_EN_042017