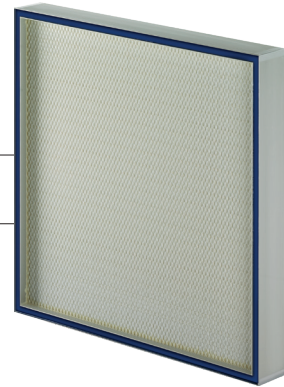


# BioCel<sup>®</sup> II

## HIGH QUALITY HEPA FILTER



### Features and Benefits

- E11 classification in accordance with EN1822:2009
- Low depth minimizes installation space requirements
- Lightweight and easy to install
- One-piece gasket provides leaktight seal

BioCel II filters are designed for installations in which HEPA quality air filtration is required.

As a E11 EN1822:2009 classified air filter, the BioCel II filter is ideal for upgrading an existing non-HEPA installation to a HEPA installation. In new installations these filters' low depth means less installation space is required, which ultimately reduces costs. Compact and lightweight, the BioCel II filter is easy to handle and install: transport costs are low compared to other bulkier types of filters.

The filter has a one piece gasket and alternatives include a knife-edge or fluid seal groove. Typical areas of application include clean zones in the pharmaceutical, microelectronic and healthcare industries.

Temperature limit: 70 °C.

# BioCel® II Filter

## Selection Table

Item	Component	Component Code Definition
A	Media**	<b>D = Waterproof glass fibre</b>
B	Cell Sides	<b>99 = Anodized aluminium extrusion, standard profile</b>
C	Separators	<b>C = Thermoplastic</b>
D	Bond	<b>9 = Cold cured resin</b>
E	Gasket	P = No gasket <b>S = 5 mm, half round profile, one-piece foamed</b> T = 6 mm, flat profile
F	Gasket Location	0 = No gasket <b>2 = One face</b> 3 = Both faces
G	Acceptance Level	<b>F = E11 Min. 95%, @ MPPS acc. to EN1822:2009</b>
H	Faceguard Location	0 = No faceguard, maximum size 610 x 1220 mm and/or 762 x 915 mm 1 = Non-gasket side only, media pack non-gasket side 2 = Gasket side only, media pack gasket side <b>3 = Both sides, media pack gasket side</b> 4 = Both sides, media pack non-gasket side
I	Options	Consult local sales office

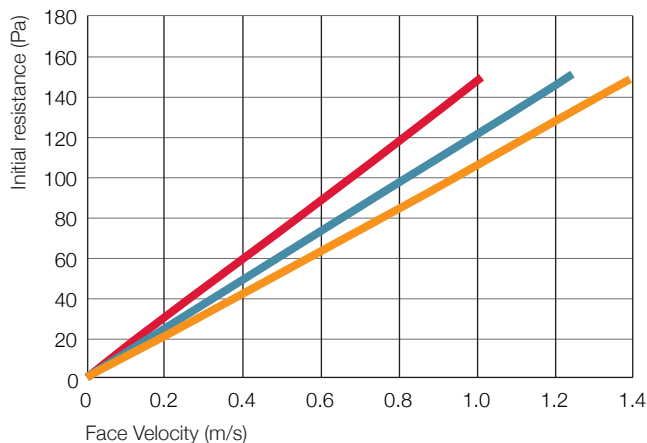
\*Bold typeface: standard execution. \*\*To be determined by AAF engineering. For Fluid Seal execution '96' depth is 80 mm, 104 mm and 128 mm. For Knife Edge execution '98' depth is 86 mm, 110 mm and 134 mm. With 20 mm Knife Edge.

## How to Order

Below is a typical example of how to order a standard BioCel II filter using the Component Code Definition System.

Item	A	B	C	D	E	F	G	H	I
Component	D	99	C	9	S	2	F	3	-

## Resistance vs Face Velocity



48 mm, 72 mm, 96 mm

## Standard Sizes and Ratings

Size in mm without gasket			Nominal airflow (0,45 m/s)	
H	W	D	m³/h	m³/s
305	305	69	150	0,04
305	610	69	300	0,08
305	762	69	380	0,11
305	915	69	450	0,13
457	457	69	340	0,09
457	610	69	450	0,13
610	610	69	600	0,16
610	762	69	750	0,21
610	915	69	900	0,25
610	1220	69	1200	0,33
915	915	69	1360	0,38
305	305	93	150	0,04
305	610	93	300	0,08
610	610	93	600	0,16
610	762	93	750	0,21
610	915	93	900	0,25
610	1220	93	1200	0,33
305	305	117	150	0,04
457	457	117	340	0,09
610	610	117	600	0,16
610	762	117	750	0,21
610	915	117	900	0,25
610	1220	117	1200	0,33

Recommended final resistance 500 Pa.  
Temperature limit: 70 °C

## Initial resistance (Pa) at nominal airflow

Depth (mm)	v = 0,45 m/s	v = 0,90 m/s
	E11	E11
69	65	135
93	55	110
117	50	95

## Efficiency

Efficiency	Efficiency EN1822:2009	
@ 0,3 µm	@ MPPS	
98%	E11	95%

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



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