

BioCel[®] M-Pak

HIGH-EFFICIENCY EXTENDED SURFACE AIR FILTERS



- Available in E10 (EN1822:2009)
- Space-saving design; reduces freight, storage, and handling costs
- Sturdy high impact polystyrene cell sides enclose a fixed media pack
- Fully incinerable

The BioCel M-Pak high-efficiency filter offers the same media area as the traditional BioCel filter. This design delivers comparable efficiency, pressure drop, and overall performance in a much smaller package.

High Efficiency—Low Resistance

Rated 95% on 0,3 μm particles and E10 efficiency rating (EN1822:2009), BioCel M-Pak filters have the advantage of a much lower pressure drop than a typical HEPA filter.

This compact, lightweight filter will withstand operating temperatures to 70 °C, if recommended final resistance is not exceeded.

To maximize service life, use BioCel M-Pak filters with high quality AAF prefilters.

Construction

The header and cell sides of the BioCel M-Pak filter are constructed of high impact polystyrene. The design, which encloses a fixed media pack, creates a rugged filter that resists damage during shipping, handling, and operation. All components of the BioCel M-Pak are fully incinerable.

Applications

The BioCel M-Pak filter is designed primarily to remove airborne biological contaminants in hospital critical areas and food and pharmaceutical processing plants. It is engineered to meet the exacting requirements of precision manufacturing operations and laboratories, where very high-efficiency filtration of fine particulate matter is necessary.

Cost-Saving Design

Due to the smaller footprint of the BioCel M-Pak filter, less space is required for storage. M-Pak filters are approximately 50% lighter than conventional filters that have metal cell sides. Easy handling means reduced maintenance costs and time savings. Disposal costs are also reduced, as two M-Pak filters can be disposed of in the space of one traditional BioCel filter.

BioCel® M-Pak Filters

Specifications

Media: High efficiency water resistant glass fiber

Cell Sides: High impact polystyrene (HIPS)

Header: 20 mm

Separators: Hot melt

Disposal: Municipal incinerator

Max. Operating Temperature: 70 °C

Technical Data

Actual Size mm B x H x T	Rated Airflow m³/h	Filter Class	Initial Resistance (Pa)	Gross Media Area (m²)	Style Code ⁴
					Single Header
592 x 592 x 149	3000	H10	250	13,7	24 24 6
490 x 592 x 149	2500	H10	250	10,9	20 24 6
287 x 592 x 149	1500	H10	250	6,4	12 24 6
					Double Header
592 x 592 x 292	3000	H10	250	13,7	24 24 12
490 x 592 x 292	2500	H10	250	10,9	20 24 12
287 x 592 x 292	1500	H10	250	6,4	12 24 12

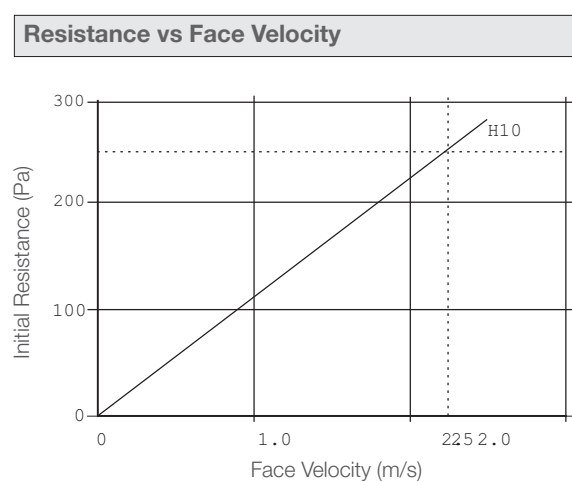
- 1) Filters can be operated up to 125% of rated capacity.
- 2) Performance data according to EN1822.
- 3) Recommended final resistance: 500 Pa.
- 4) For style code see legend.
- 5) Width and Height dimensions are interchangeable. BioCel M-Pak filters can be installed horizontally or vertically.
- 6) For maximum service life, BioCel M-Pak filters should always be operated with a prefilter.

Legend

Type	BM	BioCel M-Pak
Filter Classification	10	H10 to EN 1822, 85 % @MPPS
Execution	S	Single Header
	D	Double Header
Gasket	None	No gasket
	C	Foamed gasket at rear of flange (CAS)
	D	Foamed gasket at front of flange (DAS)
	B	Foamed gasket at both sides (Only with D)
Nominal size code (inch)	2424 6	Nominal sizes are 12, 20, 24
	2424 12	Nominal sizes are 12, 20, 24
Header Size (mm)	A	20 mm

Example: BM10 SC 2424 6 A

Performance Data



BioCel® 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

AAF 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.

ISO Certified Firm EHU_512_EN_052017