

BioCel® M-Pak

Low Depth Hepa Filter for Industrial HVAC Systems

- **Space saving design**
- **Lightweight**
- **Filter class H10 in accordance with EN1822**
- **Non corrosive**
- **Fully incinerable**



Cost Saving Filter

When installation space is limited and high quality air filtration is required, BioCel® M-Pak is the ideal filter. This filter offers OEM's the opportunity to minimize the space requirement of their air handling units and reduce costs. As a H10 EN1822 classified filter, BioCel® M-Pak can be used to upgrade an existing HVAC installation to a HEPA installation. The filter is also suitable for use in existing installations such as VAV or in systems typified by repeated fan shut down, turbulent airflow, side access or high relative humidity.

Construction

The header and cell sides of the M-Pak are constructed of high-impact poly-styrene. 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.

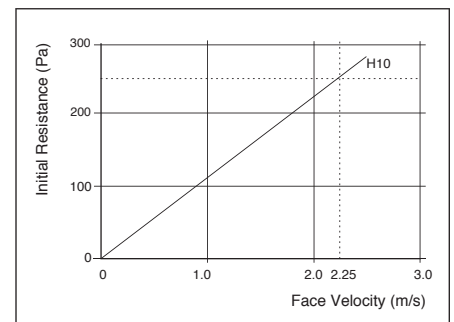
Hotmelt separators maintain uniform spacing and optimal airflow into, and through, the filter. The filter has a high effective media area which results in minimized differential pressure loss.

The filter is optionally available with a biostatic treated media which inhibits the growth of bacteria and fungi spores and improves the indoor air quality.

Temperature Limit

The filter has an operating temperature limit of 70 °C.

Resistance vs Face Velocity



Specifications

Media	:	High efficiency water resistant glass fiber
Cell Sides	:	High impact polystyrene (HIPS)
Header	:	20 mm
Separators	:	Hot melt
Disposal	:	Municipal incinerator
Maximum operating temperature	:	70 °C

Technical Data

Actual size mm WxHxD	Rated Air Flow m³/h	Performance Data			Style Code ⁴⁾
		Filter class - Initial resistance (Pa) - Gross media area (m ²)			
					Single Header
592x592x149	3000	H10	250	13,7	24 24 6
490x592x149	2500	H10	250	10,9	20 24 6
287x592x149	1500	H10	250	6,4	12 24 6
					Double Header
592x592x292	3000	H10	250	13,7	24 24 12
490x592x292	2500	H10	250	10,9	20 24 12
287x592x292	1500	H10	250	6,4	12 24 12

Legend

Type	BM	BioCel M-Pak
Filter Class	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	A	20 mm

- 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.

Example: BM10 SC -2424 6 A

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