

MB Series Melt Blown Filter Cartridges

MB cartridges provide depth filtration with a gradient density design to trap particles throughout the entire cross section of the filter. The innermost fibers form a tight self-supporting matrix, which eliminates the need for a separate center core. The gradient density allows for optimum dirt holding capacity and minimal change outs. The 4 ½" OD cartridges utilize dual micron gradients for two distinct filter zones.

MB cartridges are made entirely of FDA 21CFR177.1520 compliant Polypropylene which provides exceptional chemical compatibility to handle a wide range of process fluids. MB cartridges offer economical filtration with flow rates of up to 5 gpm per 10" length and a maximum operating temperature of 125° F. MB cartridges are designed for knife-edge seal housings without the use of gaskets or seals.



*Various end fittings
are available to match
assorted housings.*

Benefits

- High Flow Rates with Minimum Pressure Drop
- Various Lengths Up to 40"
- Wide Chemical Compatibility
- True Depth Filtration
- Easy Disposal by Incineration
- High Purity Construction

Applications

- Process/Potable Water
- Inks and Coatings
- Chemical Processing
- Metal Finishing/Plating
- Cooling Fluids
- RO Pre-treatment

Specifications

Media:
Polypropylene

Cartridge ID:
1 1/16" (2.7 cm)

Cartridge OD:
Standard Sized: 2 1/2" (6.4 cm)
J Sized: 4 1/2" (11.4 cm)

Lengths:
Standard Sized: 9 7/8", 20", 30", 40", 50"
(25.1, 50.8, 76.2, 102, 127cm)
J Sized: 9 7/8" 20"
(25.1, 50.8cm)

Pressure/Flow Drop:
See Chart

Max Operating Temperature:
125° F (52 °C)

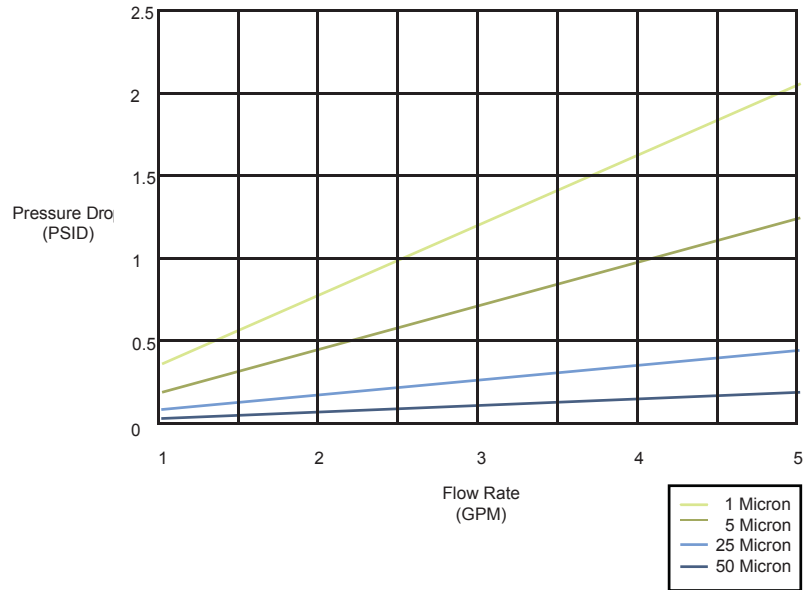
**Recommended Max Change Out
Differential Pressure:**
35 psid (2.6 bar)

Efficiency:
90% nominal 5 micron
85% nominal 0.5 and 1 micron

Note: Special Lengths and micron ratings are available.



Pressure Drop vs. Flow Rate



Based on water at 68°F (21°C)

Model Code/Ordering Information

CARTRIDGE TYPE	MICRON RATING	LENGTH INCHES	DIAMETER	OPTIONS	GASKETS or O-RINGS
MB - Meltblown	0.5	10 - 9.875"	(Blank) – 2.5" OD	2SP - 222 w/ Plug 2SD - 222 w/ Disk 2SF - 222 w/ Fin	B - BUNA E - EPDM S - SILICON
	1	20 - 20"			
	5	30 - 30"	J – 4.5" OD	SPR - Polypro Spring 6SP - 226 w/ Plug 6SD - 226 w/ Disk 6SF - 226 w/ Fin	V - VITON
	25	40 - 40"			
	50				
	1/25				
	5/25				
	25/50			SPR - Polypro Spring E-Extended Core EC-End Caps P-Plug In One End	

EXAMPLE: MB - 5 - 30 - SPR, 2 1/2" OD, 5 micron, 30" long, with Spring