

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 50"

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:

MB: 2 1/2" (6.4 cm)

MBB: 4 1/2" (11.4 cm)

Lengths:

MB: 9 7/8", 20", 30", 40", 50"
(25.1, 50.8, 76.2, 102, 127 cm)

MBB: 9 7/8" 20"
(25.1, 50.8 cm)

Pressure/Flow Drop:

See Chart

Max Operating Temperature:

125° F (52 °C)

Recommended Max Change Out

Differential Pressure:

35 psid (2.6 bar)

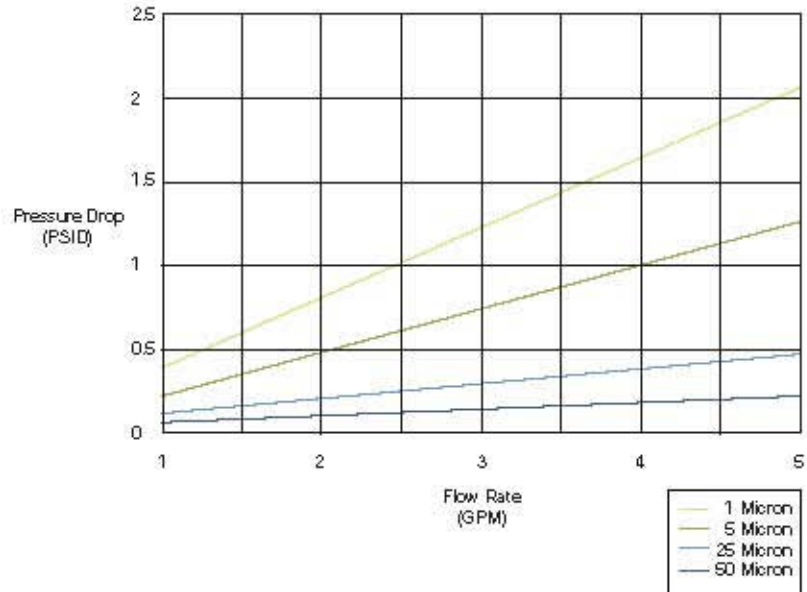
Efficiency:

85% nominal

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	OPTIONS	GASKETS or O-RINGS
MB - Melt Blown (2 1/2" OD)	1	10 - 9.875"	2SP - 222 w/ Plug 2SD - 222 w/ Disk 2SF - 222 w/ Fin SPR - Polypro Spring 6SP - 226 w/ Plug 6SD - 226 w/ Disk 6SF - 226 w/ Fin SPR - Polypro Spring E -Extended Core EC -End Caps P -Plug In One End	B - BUNA E - EPDM S - SILICON V - VITON
	5	20 - 20"		
MBB - Melt Blown (4 1/2" OD)	25	30 - 30"		
	50	40 - 40"		
	1/25	50 - 50"		
	5/25			
	25/50			

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