

MB Series Melt Blown Filter Cartridges

Midwest Filter MB Series cartridges, provide depth filtration with a gradient 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. MB Series cartridges utilize dual micron gradients for two distinct filter zones.

MB Series cartridges are made entirely of FDA 21CFR 177.1520 compliant polypropylene which provides exceptional chemical compatibility to handle a wide range of process fluids. MB Series cartridges offer economical filtration with flow rates of up to 5 gpm per 10" length and a maximum operating temperature of 180° F. MB Series cartridges are designed for knife-edge seal housings without the use of gaskets or seals. A wide variety of end cap options are also available.



MB Series melt blown cartridge filters are manufactured with a tight self-supporting inner matrix, eliminating the need for a separate core

Applications

- RO Pre-filtration, RO pre-treatment
- Process and potable water
- Food and beverage
- Deionized water (DI water)
- Chemical processing
- Groundwater remediation
- Oil and gas
- Cooling fluids
- Inks and coatings

Benefits

- High flow rates with minimum pressure drop
- FDA listed polypropylene media with wide chemical compatibility
- Easy disposal by incineration
- Free of binders, adhesives, and surfactants
- Economical depth filtration
- High dirt holding capacity
- Non-shedding media
- Graded pore construction for long on-stream life

Box Quantities by length

2-1/2" Diameter

10"	Length	30/Box
20"	Length	15/Box
30"	Length	15/Box
40"	Length	15/Box

4- 1/2" Diameter

10"	Length	12/Box
20"	Length	6/Box
30"	Length	3/Box

Specifications

Cartridge ID:

1" nominal standard

Cartridge OD:

2.5"

4.5"

Length:

Up to 40"

Special lengths available

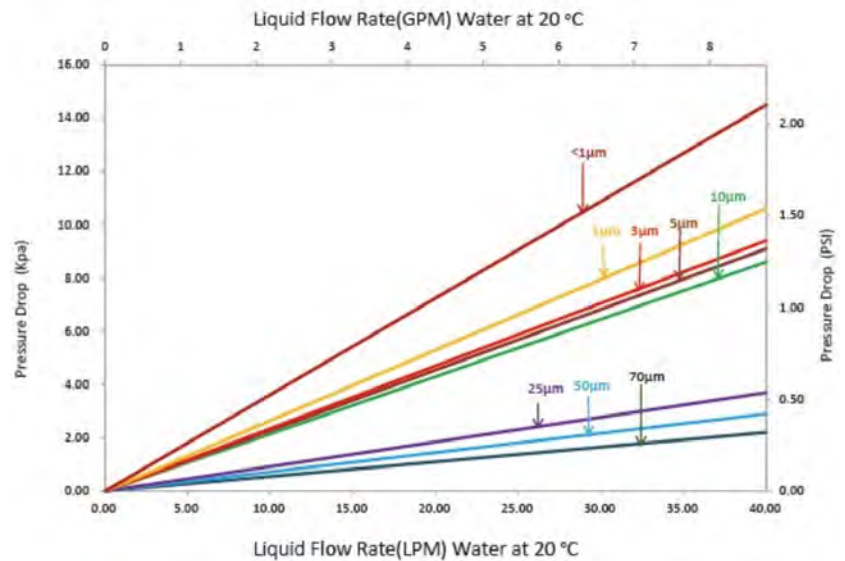
Recommended Maximum DP:

35 PSID (2.4 bar)



Pressure Drop vs. Flow Rate

DLPP Flow Rate Per 10"



Example
MB-10-30-2SD-S

MB - 10 - 30 - [blank] - 2SD - S - ISW

Micron Rating Length Diameter Option O-ring

MB Model/Code Ordering Info

MICRON RATING	LENGTH INCHES	DIAMETER	OPTIONS	O-RINGS
0.5	9.75	Blank = 2.5" OD J = 4.5" OD	Blank - DOE, plain ends 2SPR - 222 w/ spring top* 2SD - 222 w/ disc* 2SF - 222 w/ fin* 6SPR - 226 w/ spring top* 6SD - 226 w/ disc* 6SF - 226 w/ fin* E - DOE, extended core GP - DOE, polyethylene gaskets (heat sealed to filter) SPR - SOE, with polypro spring SPRE - SOE, with polypro spring and extender ISW - Individually shrink wrapped (standard) ISWL - Individually shrink wrapped and labeled	Blank = Buna -E = EPDM -S = Silicone -V = Fluoroelastomer *O-Rings are only available on 222 and 226 options
1	10			
3	20			
5	30			
10	40			
15				
25				
50				
100				