

# MB Series

## Melt Blown Filter Cartridges

AJR Filtration MB Series cartridges, formerly from Delta Pure Filtration, 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 feature an economical and strong self-supporting fiber matrix*

### 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



### Specifications

**Cartridge ID:**  
1" nominal standard

**Cartridge OD:**  
2.5"  
4.5"

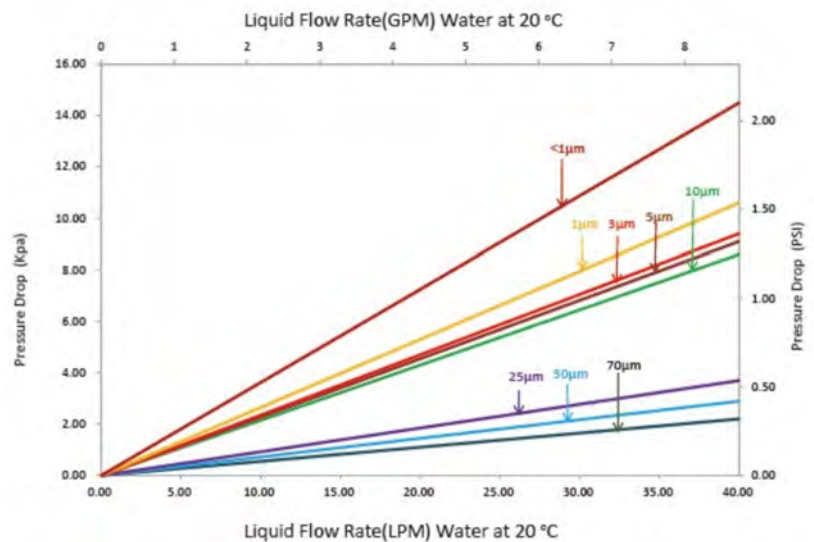
**Length:**  
Up to 40"  
Special lengths available

**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	<b>Blank</b> - DOE, plain ends <b>2SPR</b> - 222 w/ spring top* <b>2SD</b> - 222 w/ disc* <b>2SF</b> - 222 w/ fin* <b>6SPR</b> - 226 w/ spring top* <b>6SD</b> - 226 w/ disc* <b>6SF</b> - 226 w/ fin* <b>E</b> - DOE, extended core <b>GP</b> - DOE, polyethylene gaskets (heat sealed to filter) <b>SPR</b> - SOE, with polypro spring <b>SPRE</b> - SOE, with polypro spring and extender <b>ISW</b> - Individually shrink wrapped (standard) <b>ISWL</b> - Individually shrink wrapped and labeled	<b>Blank</b> = 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				
Contact AJR to inquire about custom materials and configurations		*ISW is standard		