

# 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, 127cm)

MBB: 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)

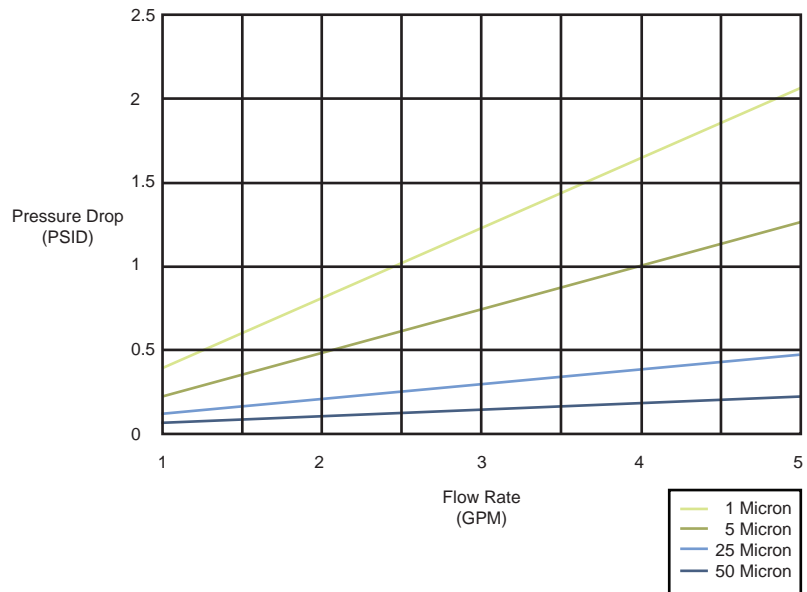
**Efficiency:**

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

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