Melt-Blown Cartridges

Thermally Bonded Cartridges

Clarity
clear solutions

PRODUCT HIGHLIGHTS

- **Nominally-rated** micron ratings: from 1 to 75 um
- **Non-shedding cartridge**, free of binders
- **Graded pore construction** for high dirt-holding capacity
- **Available with molded core** for collapse prevention strength
- **Manufactured** in a Certified ISO 9001 Quality System
- **USP Class VI**: Meets USP Class VI Biological Test for Plastics
- **FDA Listed Materials**: All materials comply with FDA Title 21 CFR Sections 174.5, 177.1520, and 177.2600
- **NSF 61**: Certified to NSF/ANSI STD 61 for materials requirements only



PRODUCT DESCRIPTION

Melt Blown Series filter cartridges are engineered from 100% high-purity polypropylene resin to deliver reliable particle reduction across a wide range of general industrial and food contact applications. Advanced melt-blown technology creates a graded pore structure that maximizes dirt-holding capacity and filtration efficiency while maintaining consistent quality standards certified under ISO 9001.

Superior Design & Construction

The cartridges feature a proprietary graded pore structure with polypropylene end caps and industry-leading gasket/O-ring options to suit diverse chemical environments. These cartridges integrate seamlessly into existing filtration systems available as standard or with a molded core.

ABSOLUTE RATED RETENTION
1, 3, 5, 10, 20, 30, 50, 75µm

CONSTRUCTION METHOD
Thermal Bond

INSIDE DIAMETER
1.0"

OUTSIDE DIAMETER
2.5" with uncut ends and 2.63" with end-cap

RECOMMENDED DIFFERENTIAL PRESSURE
35 psid (2.4 bar)

MAXIMUM DIFFERENTIAL PRESSURE
150 psid @ 68°F (10.3 bar @ 20°C)
90 psid @ 150°F (6.2 bar @ 66°C)
35 psid @ 176°F (2.4 bar @ 80°C)
Recommended change-out pressure:
35 psid (2.4 bar)

MAXIMUM OPERATING TEMPERATURE
176°F (80°C)

FILTER MEDIA
Meltblown Polypropylene

CAGE/CAPS
Polypropylene

LENGTHS
5, 9.75, 10, 19.5, 20, 29.25, 30, 39, 40"

TOXICITY
Cartridge materials meet USP Class VI and CFR 21 for food and beverage contact

CARTRIDGE SEALS
Buna-N | EPDM | Viton | Silicone | Teflon Encapsulated Viton

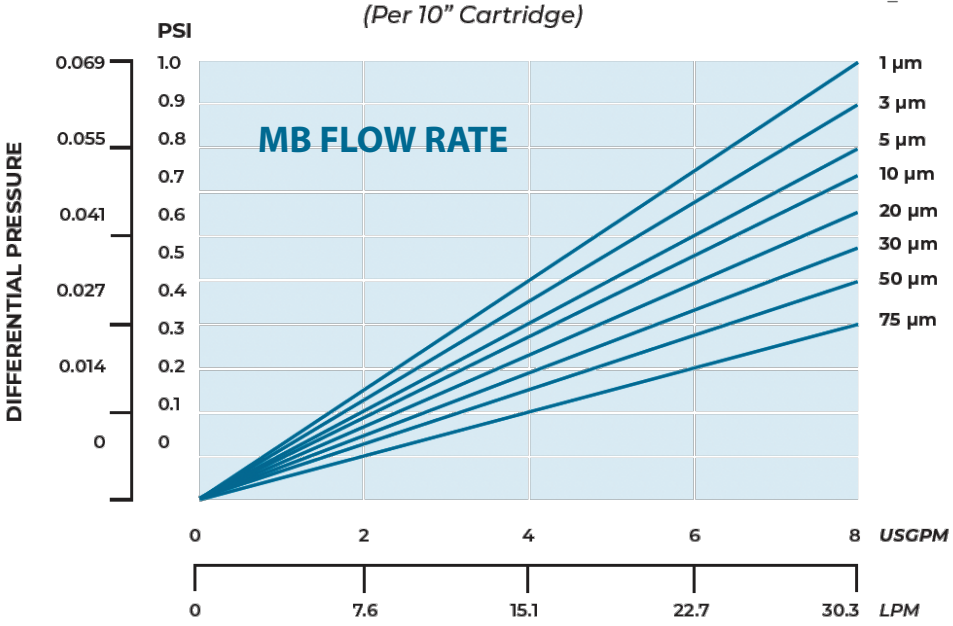
SEALING
Thermal Bond

PACKAGING ECONOMY
Bulk packaging in case quantities to reduce material disposal

SPECIFICATIONS

SCAN FOR MORE INFO

Typical Flow Rate Clean Water at Ambient Temperature
(Per 10" Cartridge)



For liquids other than water, multiply pressure drop by the fluid viscosity in centipoise

ORDER OPTIONS

CARTRIDGE	MICRON SIZE	LENGTH	ENDCAP CONFIGURATIONS	O-RING	CARTRIDGE CORE
MB Melt Blown	1 µm 3 µm 5 µm 10 µm 20 µm 30 µm 50 µm 75 µm	5" 9.75" 10" 19.5" 20" 29.25" 30" 39" 40"	**C1** Double Open Ends **C2** 213/Recessed Cup **C3** 222/Flat **C4** Single Open End/Flat **C5** 222/Recessed Cup **C6** 226/Flat **C7** 226/Fin **C8** 222/Fin **N** None (Cut Ends) * Inquire on alternative options	**B** Buna-N **E** EPDM **N** None **S** Silicone **T** Teflon encap. Viton (O-Rings only) **V** V = Viton	**--** No Core **C** With Core

MB → 1 (MICRON RATING) – 10 (LENGTH) → C1 (ENDCAP) → S (O RING) → C (CARTRIDGE CORE) → **MB1-10C1S**