MBA Series Filter Cartridges

Absolute Rated Melt-Blown Filters

Clarity
clear solutions

PRODUCT HIGHLIGHTS

- **Absolute retention** ratings from 0.3 to 100 microns
- **Non-shedding cartridge**, free of binders, and variety of thermally bonded end-caps
- **Graded pore construction** for high dirt-holding capacity
- **Manufactured** in a Certified ISO 9001 Quality System
- **USP Class VI:** Meets USP Class VI
- **Biological Test for Plastics** (full statement)
- **FDA Listed Materials**: All material 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— Component



PRODUCT DESCRIPTION

MBA Series melt blown depth filters deliver 99.9% efficiency at the stated micron for the most demanding applications. By utilizing ultra fine fibers and controlled thermal bonding, the MBA series retains captured contaminant even at higher differential pressures.

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. Available in nine standard lengths with a 2.5" outer diameter, these cartridges integrate seamlessly into existing filtration systems. Multi-zone melt blown depth filter with a graded pore structure for maximum dirt holding capacity.

ABSOLUTE RATED RETENTION
0.3, 0.5, 1, 3, 5, 10, 20, 30, 50, 70, 100 µm

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 OPERATING TEMPERATURE
176°F (80°C)

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)

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

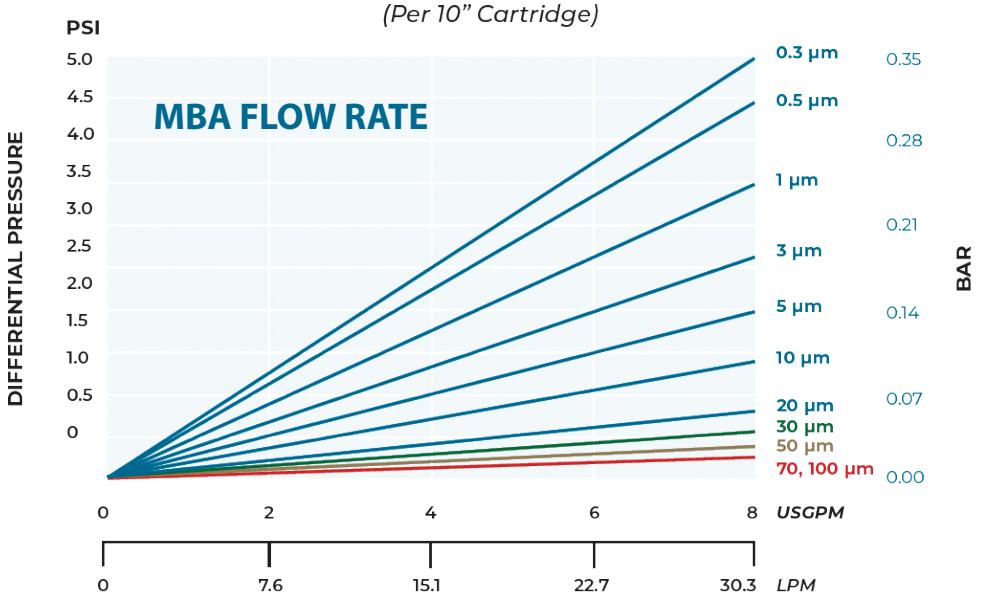
SEALING
Thermal Bond

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

Vk1 1026

ORDER OPTIONS

CARTRIDGE	MICRON SIZE	LENGTH	ENDCAP CONFIGURATIONS	O-RING
MBA | Absolute-Rated Melt Blown	0.3 µm 0.5 µm 1 µm 3 µm 5 µm 10 µm 20 µm 30 µm 50 µm 70 µm 100 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)	**B** Buna-N **E** EPDM **N** None **S** Silicone **T** Teflon encap. Viton (O-Rings only) **V** V = Viton

MBA → 0.5 (MICRON RATING) – 30 (LENGTH) → N (ENDCAP) → N (O RING) → **MBA0.5–30NN**