MBT Series Filter Cartridges

High Performance Filters

Clarity
clear solutions

PRODUCT HIGHLIGHTS

- **Non-shedding cartridge,** free of binders
- **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
- **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— Component



PRODUCT DESCRIPTION

For critical customer applications requiring precise and repeatable depth filtration, MBT Series high performance filters deliver exceptional performance. With multi-zoned construction, true clarifying filtration is achieved with no unloading of captured contaminant.

Superior Design & Construction
The cartridges feature a proprietary multi-zone 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 resulting in 90% removal efficiency at the stated micron ratings. Thermally bonded fibers for high void volume and long on-stream life. Lot traceable filters come with certificate of conformance.

ABSOLUTE RATED RETENTION
0.5, 1, 3, 5, 10, 20, 50, 75, 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

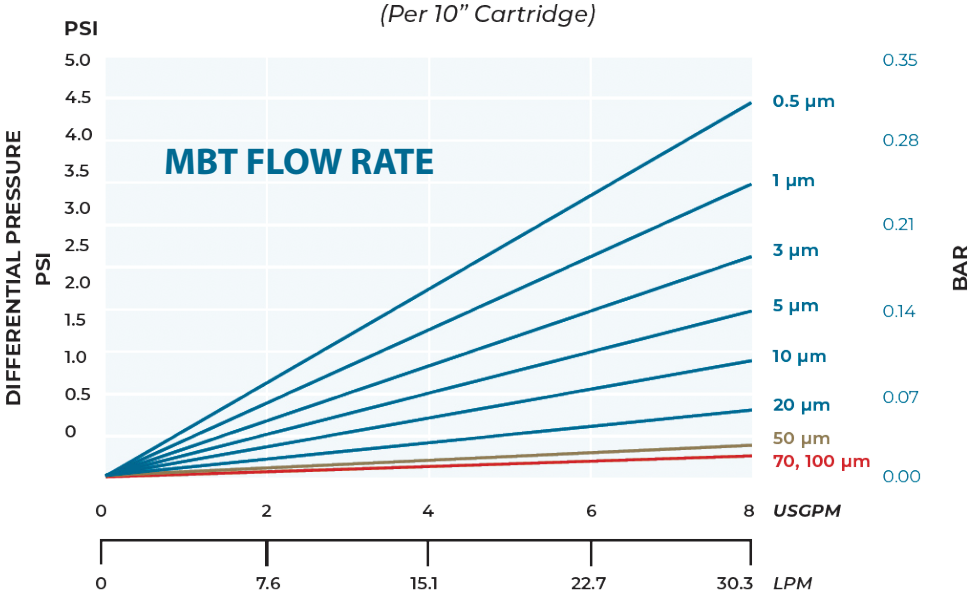
PACKAGING ECONOMY
Bulk packaging in case quantities to reduce material disposal

SPECIFICATIONS

SCAN FOR MORE INFO

v 1026

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
MBT | Melt-Blown with Molded Core	0.5 µm 1 µm 3 µm 5 µm 10 µm 20 µm 50 µm 75 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** Viton

MBT → 0.5 (MICRON RATING) – 30 (LENGTH) → N (ENDCAP) → N (O RING)

MBT0.5–30NN