



Graver Technologies

Filtration | Separation | Purification

MBA™ Melt Blown Filter Series

Absolute Rated Melt Blown Filters

The MBA filter series is 100% polypropylene and exhibits 99.9% retention at its rated pore size. The graded density microfiber matrix is optimized to provide a large void area, resulting in superior dirt holding capacity, higher flow rates and longer service life compared to other absolute rated melt blown filters.

Filter Features-Benefits

- Low pressure drop reduces energy costs
- High dirt holding capacity minimizes change-outs and down time
- Availability in all common configurations allows use of existing filter housings
- High strength polypropylene core provides increased temperature and differential pressure limitations.
- Cost effective absolute filtration at 99.9% efficiency (by ASTM F-795)
- 100% polypropylene offers cleanliness and broad chemical compatibility
- All materials are FDA listed for food and beverage contact

Typical Applications

- Ultrapure water
- Petrochemicals
- Beverage processing
- Magnetic media
- Potable water
- Metal working
- Plant utilities
- Photographic
- Hydraulic and lubricating oils

Filter Specifications

Media:	Polypropylene
End caps:	Polypropylene
Gaskets/O-Rings:	Silicone, Viton, EPDM, Buna-N and Teflon encapsulated Viton (O-Rings only)
Micron ratings:	1, 3, 5, 7, 10, 15, 20, 30, 40, 50, 75µm

Dimensions

Typical nominal lengths: 9.75" (24.8 cm), 10" (25.4 cm), 19.5" (49.5 cm), 20" (50.8 cm), 29.25" (74.3 cm), 30" (76.2 cm), 39.5" (100.3 cm), 40" (101.6 cm). Other lengths available

Outside diameter: 2.4" (6.10 cm)

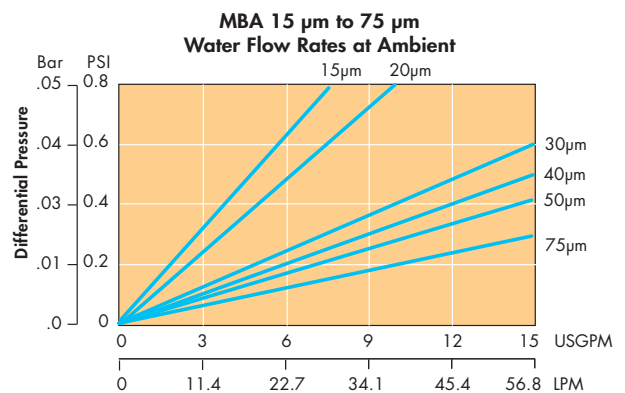
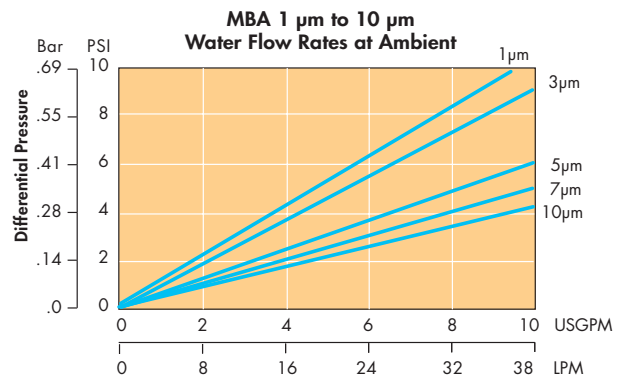
Inside diameter: 1.1" (2.79 cm)

Maximum differential pressure: 60 psid @ 80 °F (4.1 bar @ 27°C)
30 psid @ 160 °F (2.1 bar @ 71°C)
15 psid @ 190 °F (1.0 bar @ 88°C)

Recommended change-out pressure: 35 psid (2.4 bar)



MBA FLOW RATE VS PRESSURE DIFFERENTIAL



MBA Nomenclature Information

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MBA Filter Type MBA Series Filters	40	-19.5 Nominal Length (inches) -9.75 -10 -19.5 -20 -29.25 -30 -39 -40	P8	V Gasket or O-Ring S Silicone B Buna-N E EPDM V Viton T Teflon encap. Viton (O-Rings only) N None
Retention Rating (microns) 1 3 5 7 10 15 20 30 40 50 75			End Configuration P Double Open End (hard endcaps) P2 226/Flat Single Open End P3 222/Flat Single Open End P6 Self-Seal Spring on One End P7 226/Fin Single Open End P8 222/Fin Single Open End PX Extended Core N None (Cut ends)	

Example: MBA 40-19.5 P8V

For more information

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