



Graver Technologies

Filtration | Separation | Purification

MBF™ Melt Blown Filter Series

Melt Blown Filters

An economical, disposable, filter element that can be used in a wide range of applications. The MBF depth filter is constructed of 100% polypropylene media for chemical compatibility with a variety of process fluids.

Filter Features-Benefits

- Available in nominal ratings from 1 to 75 microns
- Graded pore construction for long on-stream life
- Melt blown media resists dirt unloading as differential pressure increases
- Non-shedding, fibrous center core
- High dirt holding capacity
- FDA listed polypropylene media
- Economical depth filtration
- Thermal bonded endcaps optional
- Free of binders, adhesives and surfactants

Applications

- Food & beverage
- Aqueous solutions
- Chemicals
- Blowdown post filter
- Wastewater
- Rad waste
- Magnetic tape coatings
- RO Prefilters
- Ink

Filter Specifications

Media: Polypropylene

End caps: Polypropylene

Gaskets/O-Rings: Silicone, Viton, EPDM, Buna-N

Micron ratings: 1, 3, 5, 10, 20, 30, 50, 75µm

Dimensions and Operating Parameters

Typical nominal lengths: 9.75", 10", 20", 30", 40" (24.8, 25.4, 50.8, 76.2, 101.6 cm) Other lengths available

Outside diameter: 2.5" (6.35 cm), 2.75" (6.99 cm) Endcapped

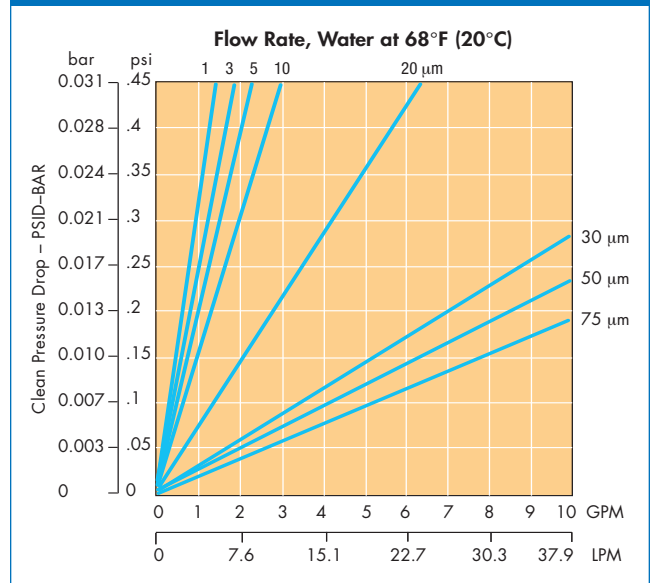
Inside diameter: 1.0" (2.54 cm)

Maximum differential pressure: 50 psid @ 70 °F (3.45 bar @ 21°C) 25 psid @ 140 °F (1.72 bar @ 60°C)

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



MBF FLOW RATE VS PRESSURE DIFFERENTIAL



FDA listed materials

All polypropylene material used in manufacturing complies with the regulations of the Food and Drug Administration (FDA) title 21 of the Code of Federal Regulations Sections 174.5, 177.1520, and 177.1630, as applicable for food and beverage contact.

MBF Nomenclature Information

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|--|---|---|--|---|
| <p style="text-align: center; font-weight: bold; margin: 0;">MBF</p> <p style="margin: 0;">Filter Type</p> <p style="margin: 0;">MBF Series Filters</p> | <p style="font-weight: bold; margin: 0;">10</p> | <p style="font-weight: bold; margin: 0;">-20</p> <p style="margin: 0;">Nominal Length (inches)</p> <p style="margin: 0;">-9.75</p> <p style="margin: 0;">-10</p> <p style="margin: 0;">-19.5</p> <p style="margin: 0;">-20</p> <p style="margin: 0;">-29.25</p> <p style="margin: 0;">-30</p> <p style="margin: 0;">-39</p> <p style="margin: 0;">-40</p> | <p style="font-weight: bold; margin: 0;">N</p> | <p style="text-align: center; font-weight: bold; margin: 0;">N</p> <p style="margin: 0;">Gasket or O-Ring</p> <p style="margin: 0;">S Silicone</p> <p style="margin: 0;">B Buna-N</p> <p style="margin: 0;">E EPDM</p> <p style="margin: 0;">V Viton</p> <p style="margin: 0;">T Teflon encap. Viton (O-Rings only)</p> <p style="margin: 0;">N None</p> <p style="margin: 0;">End Configuration</p> <p style="margin: 0;">P Double Open End (hard endcaps)</p> <p style="margin: 0;">P2 226/Flat Single Open End</p> <p style="margin: 0;">P3 222/Flat Single Open End</p> <p style="margin: 0;">P6 Self-Seal Spring on One End</p> <p style="margin: 0;">P7 226/Fin Single Open End</p> <p style="margin: 0;">P8 222/Fin Single Open End</p> <p style="margin: 0;">PX Extended Core</p> <p style="margin: 0;">N None (Cut ends)</p> <p style="margin: 0;">DBG Direct Bond Gaskets</p> |
| <p style="text-align: center; font-weight: bold; margin: 0;">Retention Rating (microns)</p> <p style="margin: 0;">1</p> <p style="margin: 0;">3</p> <p style="margin: 0;">5</p> <p style="margin: 0;">10</p> <p style="margin: 0;">20</p> <p style="margin: 0;">30</p> <p style="margin: 0;">50</p> <p style="margin: 0;">75</p> | | | | |

Example: MBF 10-20 NN

For more information

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