



Graver Technologies

Filtration | Separation | Purification

MBC™ Melt Blown Filter Series

Melt Blown Filters

An economical, disposable, filter element that can be used in a wide range of applications. The MBC depth filter is constructed of 100% polypropylene media for chemical compatibility with a variety of process fluids. The molded core prevents collapse even at elevated temperatures.

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
- High dirt holding capacity
- FDA listed polypropylene media
- Economical depth filtration
- Thermal bonded endcaps optional
- Free of binders, adhesives and surfactants
- Molded core for exceptional collapse strength

Applications

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

Filter Specifications

| | |
|--|---|
| Media: | Polypropylene |
| End caps/Center core: | Polypropylene |
| Gaskets/O-Rings: | Silicone, Viton, EPDM, Buna-N |
| Micron ratings: | 1, 3, 5, 10, 20, 30, 50, 75µm |
| Dimensions and Operating Parameters | |
| 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: | 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) |

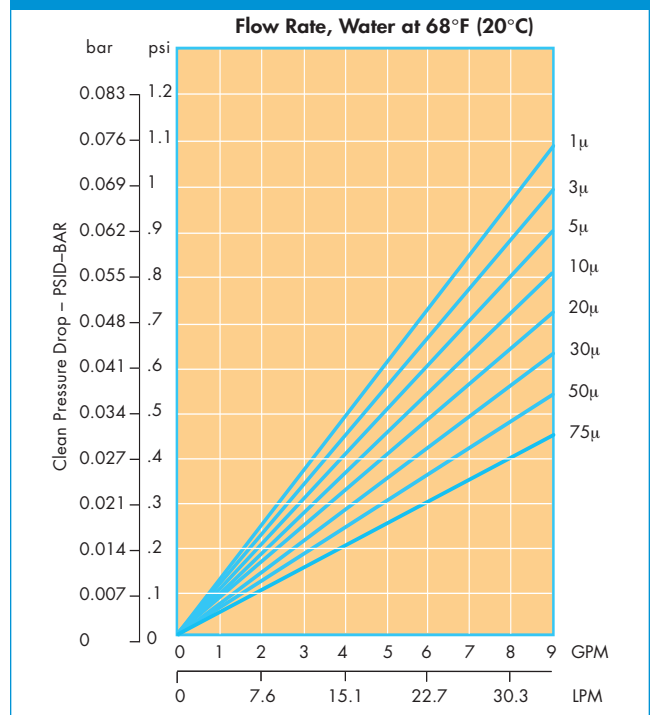
Recommended change-out pressure differential: 35 psid (2.4 bar)



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.

MBC FLOW RATE VS PRESSURE DIFFERENTIAL



MBC Nomenclature Information

| MBC Nomenclature Information | | | | |
|--|----|---|---|---|
| MBC | 10 | -20 | N | N |
| Filter Type MBC Series Filters | | Nominal Length (inches) -4 -5 -9.75 -10 -19.5 -20 -29.25 -30 -39 -40 | | 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 10 20 30 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) DBG Direct Bond Gaskets | |

Example: MBC 10-20NN = MBC filter, 10 micron, 20 inches, No End Caps, No Gaskets or O-rings

For more information

Graver Technologies Customer Service: **1-888-353-0303**

Technical Support: **1-800-510-0932**

E-mail us at **info@gravertech.com**

Graver Technologies Europe (UK): **+44-1424-777791**

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DISTRIBUTED BY:



Graver Technologies

200 Lake Drive
 Glasgow,
 DE 19702 U.S.A.

302- 731-1700
 800- 249-1990
 Fax 302-369-0938

e-mail: info@gravertech.com
 web site: www.gravertech.com

