Crystal MBF Series Filter Cartridges

*Melt Blown Filters*

An economical, melt blown filter element that can be used in a wide range of applications. The Crystal MBF depth filter is constructed of 100% polypropylene media for chemical compatibility with a variety of process fluids. The unique Crystal Core prevents collapse even at elevated temperatures.

**FEATURES & BENEFITS**

- Available in nominal ratings from 1 to 75 microns
- Formed Crystal Core for excellent collapse strength
- Graded pore construction for long on-stream life
- Melt blown media resists dirt unloading as differential pressure increases
- Non-shedding
- High dirt holding capacity
- Economical depth filtration
- Thermal bonded endcaps optional
- Free of binders, adhesives and surfactants
- Highly consistent performance

**CERTIFICATIONS**

- USP Class VI: Meets USP Class VI Biological Test for Plastics
- FDA Listed Materials: All materials comply with FDA Title 21 of the Code of Federal Regulations Sections 174.5, and 177.1520, as applicable for food and beverage contact.
- NSF 61: Certified to NSF/ANSI STD 61 for materials requirements only — Component
- European Directive for Direct Food Contact: European Regulation No. 1935/2004 and European Regulation 10/2011: Tested for migration behavior and is suitable for contact with all kinds of foodstuffs with minimal rinse-up. Data available upon request.

**TYPICAL APPLICATIONS**

- RO Pre filters
- Wastewater
- Food and beverages
- Chemicals
- Blowdown post filter
- Radwaste
- Aqueous solutions
- Inks

**Product Specifications**

- **Media:** Polypropylene
- **End caps/Center Core:** Polypropylene
- **Gaskets/O-Rings:** Buna-N, EPDM, Santoprene, Silicone, Teflon
- **Encapsulated Viton (O-Rings only), Viton**
- **Micron rating:** 1, 3, 5, 10, 20, 30, 50, 75 µm

**Dimensions**

- **Nominal lengths:** 9.75", 10", 20", 30", 40", 50" 24.8 25.4 50.8 76.2 101.6 127 cm
- **Outside diameter:** 2.5" (6.35 cm), 2.63" (6.7 cm) End capped
- **Inside diameter:** 1.1" (2.79 cm)

**Operating Parameters**

- **Maximum differential pressure:** 65 psid @ 68°F (4.5 bar @ 20°C)
- **50 psid @ 100°F (3.4 bar @ 38°C)**
- **25 psid @ 170°F (1.7 bar @ 77°C)**
- **Recommended change-out pressure:** 35 psid (2.4 bar)
CRYSTAL MBF NOMENCLATURE INFORMATION

<table>
<thead>
<tr>
<th>Filter Type</th>
<th>Retention Rating (microns)</th>
<th>Nominal Length (inches)</th>
<th>End Configuration</th>
<th>Gasket or O-Ring</th>
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Example: CMBF 10–20NN

- CMBF 10
- -20

CRYSTAL MBF FLOW RATE

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.

Certified to NSF/ANSI Standard 61 for materials requirements only.

FOR MORE INFORMATION

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FOR MORE INFORMATION

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