

GDMB Cartridge Filters

Melt Blown Polypropylene Media



GDMB Melt Blown Media Filter Cartridges are manufactured by a continuous spun-bonding technology that assures a consistent product. The 100% all polypropylene construction gives wide chemical compatibility and extremely low extractables. These cartridges offer exceptional value in both removal efficiency and dirt holding capacity where protection of more expensive membrane filters is important.

Construction Materials

Filtration Media	Melt Blown Polypropylene
End Caps	Polypropylene
Sealing Method	Thermal Bonding
O-rings	Buna, Viton® (or FKM), EP, Silicone, FEP Encapsulated Silicone, FEP Encapsulated Viton (or FKM)

Dimensions

Length	5 to 40 in. (12.7 to 101.6 cm) nominal
Outside Diameter	2.50 in. (6.35 cm) nominal

Applications

- ◆ Prefiltration
- ◆ Trap Filters
- ◆ Plating Solutions
- ◆ Waste Cleaning
- ◆ Cosmetics
- ◆ Water for Injection
- ◆ High Purity Water
- ◆ Wash Solutions
- ◆ Potable Water

Maximum Operating Parameters

Differential Pressure	
• Forward	50 psid (3.4 bard)
• Reverse	20 psid (2.7 bard)
Operating Temperature	60 °C (140 °F)
Recommended Changeout Pressure	20 psid (1.4 bard)

FDA and EC Compliance

All Critical Process Filtration cartridge filters are designed to meet the FDA requirements for processing food and beverage products. The materials used to construct GDMB filters are listed by the FDA as appropriate for use in articles intended for repeated food contact as specified in Title 21 CFR sections 174.5, 177.1500, 177.1520, 177.1630, 177.2440 and 177.2600 as appropriate. GDMB filters comply with Title 21 CFR sections 210.3 (b)(6) and 211.72, for non-fiber releasing filters. All materials used to make the filters are listed in European Commission Regulation EU/10/2011, Annex 1.

Extractables

GDMB filters typically exhibit low levels of non-volatile residues.

Total Performance

Critical Process Filtration, Inc. is a vertically integrated manufacturer of filtration products to industries in which filtration is considered a critical part of the manufacturing process. We supply a complete line of products and services to help you cost effectively satisfy all your filtration requirements from a single source.

Quality Assurance and Standards

Our goal is to ensure our customers the greatest possible value for their filtration dollar. Our state of the art manufacturing facility and quality management system both meet ISO 9001:2008 standards. Each operation from assembly and test to cleaning, drying, and packaging is done in appropriately rated clean rooms. A sophisticated MRP system collects and processes real time data from manufacturing centers and inspection points. This allows variable and attribute data to be quickly and easily analyzed driving constant improvements in both quality.

Flow Rate

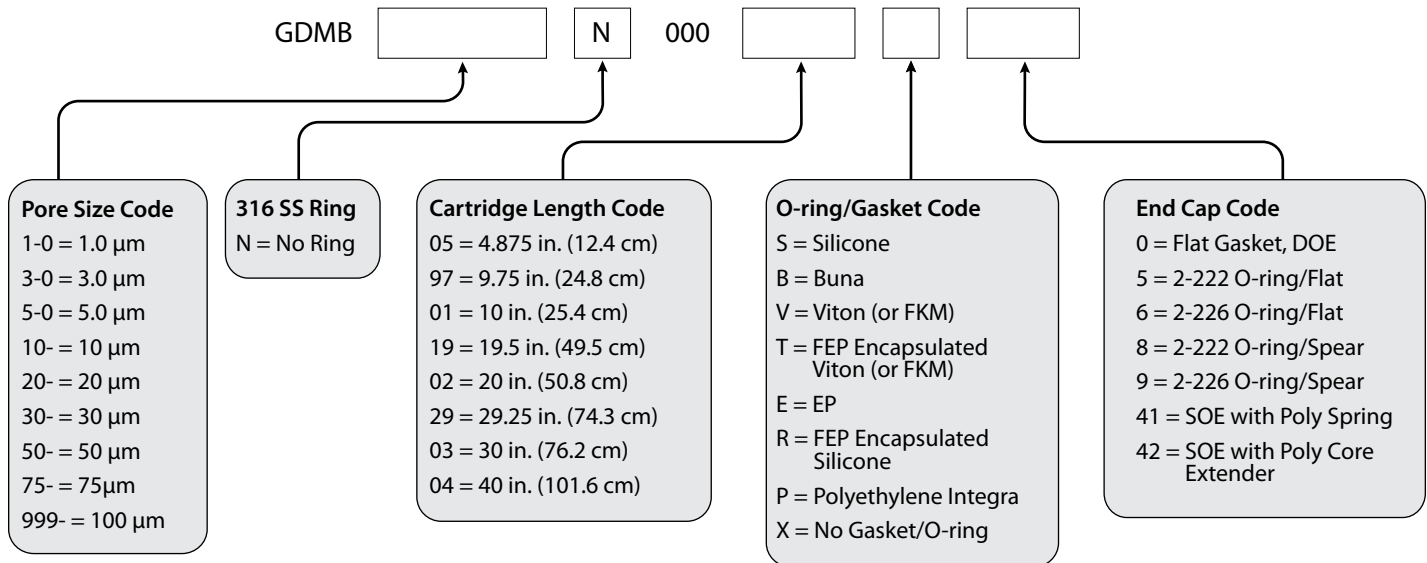
The Typical Flow Rates table represents typical water flow at a 1 psid (69 mbard) pressure differential across a single 10 in. cartridge element. The test fluid is water at ambient temperature. Extrapolation for housings with multiple elements and higher pressure drops is acceptable, but as flows increase the pressure drop of the housing becomes more apparent.

Typical Flow Rates

Pore Size	1.0 µm	3.0 µm	5.0 µm	10 µm	20 µm	30 µm	50 µm	75 µm	100 µm
GPM	3.0	5.0	6.0	7.50	10.0	12.0	> 12	> 12	> 12
LPM	11.35	18.92	22.71	28.39	37.85	> 45.42	> 45.42	> 45.42	> 45.42

Ordering Information

Cartridge order numbers have several variables from pore size to end cap type. For example: Melt Blown Polypropylene Depth Media, 1.0 Micron Rating, No SS Support Ring, 20" Length, Silicone Gaskets, Flat Gasket, DOE End Cap Configuration = GDMB1-0N00002S0.



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