

DMB Series

NSF / ANSI 61 Certified

Polypropylene Melt Blown Filter Cartridges

Water Tech

Reliable Filtration

DMB polypropylene melt blown depth filters with NSF/ANSI 61 certification meet standards for potable water point-of-entry systems and the requirements of municipal drinking water plants. Delta Pure Filtration employs 100% FDA approved polypropylene, and utilizes a multi-layered construction for progressive contaminant removal efficiency. Our innovative production process creates a depth filter with superior performance and consistency. Standard graded density cartridges are available along with custom-gradient configurations to meet specific application requirements. DMB Series filter cartridges are available in lengths to 50" (127 cm) and various diameters to 6" (15.2 cm).

DMB Series cartridges are ideal pre-filters and polishing filters where there is a fairly wide contaminant particle size distribution and provide excellent pre-filtration for RO membrane. A fixed pore structure formed by the non-shedding, bonded medium prevents release of trapped particles. The self-supporting fiber matrix enables a coreless design that is both economical and strong. The polypropylene filter medium provides broad chemical compatibility.

Benefits

- High flow rates
- Low pressure drop
- High dirt-holding-capacity
- Fixed-pore-structure retains trapped debris
- FDA listed polypropylene – 21 CFR 177.1520
- Broad chemical compatibility
- Controlled process parameters – consistent product



DMB series filters are available with a variety of end fitting options to fit almost any filter vessel configuration.

NSF/ANSI 61 establishes minimum requirements for the control of potential adverse human health effects from products that contact drinking water. This standard is written into the purchasing specifications of many municipal water districts. The NSF/ANSI 61 certification process included laboratory extraction testing (for assessment of a range VOCs and a variety of metals such as lead) and an on-site audit of our quality system.

Applications*

- Municipal drinking water
- Well water
- RO pre-filtration, fresh water
- RO pre-filtration, desalination
- Point-of-entry (POE) water pre-filtration
- Bottled water
- Water for juices, food and beverage
- Whole-house filters



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Specifications

Filter Medium

Polypropylene, per CFR 177.1520

Cartridge ID

1 1/16" (2.7 cm)

Cartridge OD

DMB-X 2.5" (6.4 cm)

DMB-X-J 4 1/2" (11.4 cm)

Maximum for special cartridges: 6" (15.2 cm)

Length

Up to 50" (127 cm)

Efficiency

85% nominal

Recommended Max. Differential Pressure

35 PSID (2.4 bar)

Box Quantities

2 1/2" OD

9.75" - 10" length - 40/box

20" - 20/box

30" - 15/box

40" - 12/box

4 1/2" OD

9.75" - 10" length - 10/box

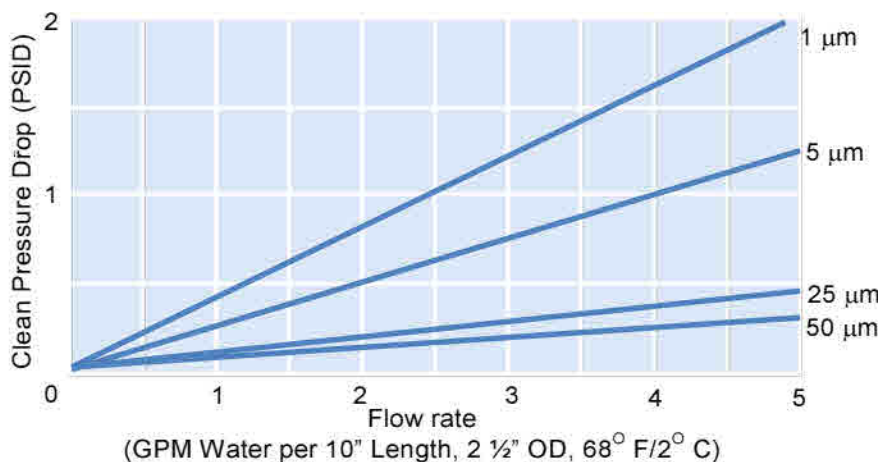
20" length - 5/box



NSF/ANSI 61

Bearing this IAPMO R&T mark provides assurance to regulatory personnel, contractors, specifiers, installers and end-users that the product meets applicable requirements.

Pressure Drop vs. Flow Rate



Model/Code Ordering Information

Cartridge Type	Micron Rating	Length Inches	Diameter	Options	O-rings	Certification
DMB	-1	-9.75	[blank] 2.5" OD	[none] - DOE for knife edge seal	[blank] - Buna,	-61
melt	-3	-10	-J - 4.5" OD	-2SD - SOE, 222 O-ring seal, w/ flat top*	none if DOE	NSF/ANSI 61
blown	-5	-20		-2SF - SOE, 222 O-ring seal, w/ fin*	-E - EPDM	
filter	-10	-30		-2SPR - SOE, 222 O-ring seal, w/ spring top*	-S - silicone	
	-15	-40		-6SD - SOE, 226 O-ring seal, w/ flat top*		
	-25	-50		-6SF - SOE, 226 O-ring seal, w/ fin*		
	-50			-E - DOE for knife edge seal, extended core		
	-100			-GP - polyethylene gaskets (heat sealed to filter)		
	-1/25			-SPR - SOE spring in top, knife edge seal		
	-5/25			-SPR-E SOE, polypro spring on one end, and a Polypro extender on the other end		
	-25/50					

Example: DMB-5-30-2SD-S-61 melt blown filter, 5 µm, 30 inches tall, 222 O-rings of silicone, flat top, NSF/ANSI 61 certified

* Note: End fittings can be affixed using an adhesive per 21 CFR 175-105 and included in NSF/ANSI 61 certification. Thermal bonded end fittings are available for some configurations.