DMB Series

NSF / ANSI 61 Certified

Polypropylene Melt Blown Filter Cartridges

Delta Pure®
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.

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.

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

  Made by Delta Pure Filtration in USA

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 ½" (11.4 cm)
Maximum for special cartridges: 6" (15.2 cm)

Length
Up to 50" (127 cm)

Efficiency
90% nominal

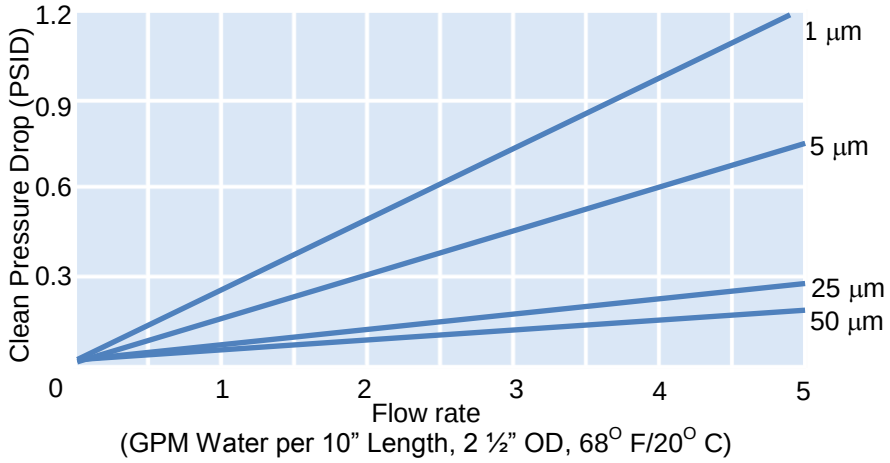
Recommended Max. Differential Pressure
35 PSID (2.4 bar)

Box Quantities
2 ½" OD
9.75"- 10" length – 40/box
20"– 20/box
30"– 15/box
40"– 12/box

4 ½" 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 melt blown filter	**-1**	**-9.75**	[blank] 2.5" OD	[none] - DOE for knife edge seal	[blank] – Buna, none if DOE	**-61** NSF/ANSI 61
	-3	**-10**		**-2SD** - SOE, 222 O-ring seal, w/ flat top*	**-E** – EPDM	
	-5	**-20**		**-2SF** - SOE, 222 O-ring seal, w/ fin*	-**S** – silicone	
	-10	**-30**		**-2SPR** - SOE , 222 O-ring seal, w/ spring top*		
	-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.*

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