DMC – 61 Series
Polypropylene Melt Blown Filter Cartridges with Cores

DMC 61 Series filters are certified to comply with materials safety requirements of NSF/ANSI 61 – “Drinking water system components- Health effects”. These filters are manufactured to be used by municipal water plants, in various point-of-entry (POE) potable water systems, and other applications where “61 Certified” filters are required. These filters are made using polypropylene complying with FDA CFR 177.1520.

DMC series filter cartridges are robust, high efficiency polypropylene melt blown depth filters with an internal polypropylene core for added strength. These filters utilize a multi-layered construction for progressive contaminant removal efficiency and longer filter life. Our innovative production process creates a depth filter with superior performance and consistency. Standard graded-density cartridges are available along with custom-gradient configurations. Cartridges are available in lengths to 50” (127 cm) and various diameters to 6” (15.2 cm) and are available with a variety of end fittings.

Benefits
- Center core for strength
- 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 water filtration
- RO pre-filtration - fresh water
- RO pre-filtration - desalination
- Well water pump-house filtration
- Commercial point-of-entry water filtration
- Residential point-of-entry water filtration
- Bottled water
- Juices, Flavors, Food rinse water
- Cosmetics, toiletries
- Hot water to 176 deg. F (80 deg. C)

Polypropylene materials provide broad chemical compatibility. The filters’ non-shedding fixed pore structures prevent release of trapped particles.
DMC - 61 Series
Polypropylene Melt Blown Filter Cartridges

Specifications

Filter Medium
Polypropylene, per FDA CFR 177.1520

Rigid Internal Filter Support Core
Polypropylene, per FDA 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% at micron rating

Recommended Max. Differential Pressure
60 PSID @ 68°F (4.1 bar @ 20°C)
30 PSID @ 176°F (2.1 bar at 80°C)

Box Quantities
2 ½” OD
9.75” - 10” length – 40/box
20”, 30”, 40”, 50” length – 20/box

4 ½” OD
9.75” - 10” length – 10/box
20” length – 5/box

Pressure Drop vs. Flow Rate

![Pressure Drop Graph]

(GPM Water per 10” Length, 2 ½” OD, 68°F/20°C)

Model/Code Ordering Information

<table>
<thead>
<tr>
<th>Cartridge Type</th>
<th>Micron Rating</th>
<th>Length Inches</th>
<th>Diameter</th>
<th>Options</th>
<th>O-rings</th>
<th>Certification</th>
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<td>3</td>
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<td>20</td>
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<td>B - Buna N</td>
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<td>E - EPDM</td>
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<td>2SPR - SOE, 222 O-ring seal, w/ spring top</td>
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<td>E - DOE, extended core</td>
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<td>GP - DOE, polyethylene gaskets (heat sealed to filter)</td>
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<td>SPR - SOE, with polypropylene spring</td>
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<td>SPRE - SOE, with polypropylene spring and extender</td>
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Example: DMC-1-40-2SPR-61 polypropylene melt blown filter with core, 1 micron, 40 inches tall nom., 222 O-rings of Buna N, polypropylene spring, certified to NSF/ANSI 61.

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