The New FUSION™ DWMC Series Liquid Filters from Delta Pure Filtration feature “Melt Blown media on the inside for confidence, and Precision String Wound media on the outside for performance.” By fusing melt blown and string wound technology into the same filters, Delta Pure Filtration can help customers achieve longer filter life and cleaner fluids.

These filters have a rigid inner core to provide strength, a polypropylene (FDA listed per 21 CFR 177.1520) melt blown downstream section to provide enhanced contaminant retention, and a string wound upstream section for pre-filtration. An FDA-listed polypropylene wound section is available. Versions of the filter certified to NSF / ANSI 61 are available.

The FUSION™ DWMC series of filters offers a flexible format: a choice of melt blown section rating, string wound section material, and string wound section rating, so that a filter can be tailored to each unique process. A variety of end fittings enables installation into most any type of filter housing.

A FUSION™ filter can be a magic bullet for solving a challenging contamination problem, improving process efficiency, and lowering filtration costs.

Benefits
Addresses a variety of contaminant sizes and types within one filter
High sediment-holding-capacity for longer time between filter cartridge changes
High-performance, yet economical
Bonded fiber melt blown section prevents fiber migration / media migration
Variety of sizes and configurations to ensure proper sizing, fit and sealing

Applications
Potable water
Process water
Pre-filtration for membrane/ reverse osmosis (RO) systems
Food, beverage, and cosmetics
Plating, etching, and recirculating baths
Aqueous chemicals, acids, bases
Oils, fuels, and organic solvents
Fracking, completion and brine fluids
**FUSION™ DWMC Series**  
**Precision Wound Filter Cartridges**

The FUSION™ DWMC filter is available with a variety of pre-filtration materials and end fittings.

**Specifications**

Core material: polypropylene (other materials available)

Cartridge ID:  
1" (2.6 cm) nominal std.

Cartridge OD:  
2.5" (6.35 cm) to 4 ½" (11.4 cm)

Length  
3" (7.6 cm) to 50" (183 cm)

Efficiency: 90% nominal

Recommended Change-Out Differential Pressure  
15 PSID (1 bar)

Maximum Differential Pressure  
60 PSID (4 bar)

Maximum Temperature: 180 deg F

**Model/Code Ordering Information: DWMC-**

<table>
<thead>
<tr>
<th>WOUND SECTION MICRON RATING</th>
<th>FILTER MEDIA</th>
<th>LENGTH INCHES</th>
<th>MELT BLOWN SECTION MICRON RATING</th>
<th>OUTSIDE DIAMETER</th>
<th>OPTIONS</th>
<th>O-RING CODE (for 2SP, 2SD, 2SF, 6SP, 6SD, 6SF options)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.5</td>
<td>01-FDA Polypropylene</td>
<td>3.75</td>
<td>0.5</td>
<td>D-2 1/2&quot;</td>
<td>[blank] - plain ends</td>
<td>[blank] - Nitrile</td>
</tr>
<tr>
<td>1</td>
<td>02-Fibrillated Polypropylene</td>
<td>5</td>
<td>1</td>
<td>F-2 3/4&quot;</td>
<td>2SP - 222 w/ plug*</td>
<td>E - EPR</td>
</tr>
<tr>
<td>3</td>
<td>03-Industrial Polypropylene</td>
<td>10</td>
<td>3</td>
<td>G-3&quot;</td>
<td>2SD - 222 w/ disc*</td>
<td>S - Silicone</td>
</tr>
<tr>
<td>5</td>
<td>06- FDA Bleached cotton</td>
<td>20</td>
<td>5</td>
<td>H-4&quot;</td>
<td>2SF - 222 w/ fin*</td>
<td>V - FKM elastomer</td>
</tr>
<tr>
<td>10</td>
<td>15- Glass Fiber</td>
<td>29.25</td>
<td>10</td>
<td>I- 4 1/4&quot;</td>
<td>6SP - 226 w/ plug*</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>20- Antimicrobial Polypropylene</td>
<td>30</td>
<td>15</td>
<td>J-4 1/2&quot;</td>
<td>6SD - 226 w/ disc*</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Polypropylene</td>
<td>40</td>
<td>25</td>
<td></td>
<td>6SF - 226 w/ fin*</td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>Other materials available.</td>
<td>50</td>
<td>50</td>
<td></td>
<td>E - Extended Core</td>
<td></td>
</tr>
<tr>
<td>30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>EC - End Caps PVC*</td>
<td></td>
</tr>
<tr>
<td>50</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>ECP - End Caps Polypro*</td>
<td></td>
</tr>
<tr>
<td>75</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>GP - Polyethylene Gaskets</td>
<td></td>
</tr>
<tr>
<td>100</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>SPR - Polypro Spring*</td>
<td></td>
</tr>
<tr>
<td>125</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>150</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>200</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Note: Asterisked end fittings are affixed using an adhesive per 21 CFR 175-105. Gaskets for ECP end fittings are “PPR” (polypropylene random). EC (PVC endcaps) do not have separate gaskets, as the endcaps themselves provide seal surfaces.

**Example:** DWMC-10-01-20-1-D  
10 Micron wound pre-filtration section of FDA polypropylene yarn, 20” filter length, 1” ID polypropylene core, 1 micron melt blown downstream section, 2 1/2” OD, plain ends

**Packaging**

2 ½” OD Box Quantities:  
10" – 40/box;  
20", 30", 40", 50” – 20/box

4 ½” OD Box Quantities:  
10" – 10/box  
20" – 5/box

Versions of this filter certified to NSF / ANSI 61 are available.  
Please contact Delta Pure Filtration for more information.

Delta Pure Filtration  
11011 Richardson Road  
Ashland, Virginia 23005  
T 804-798-2888  
F 804-798-3923  
sales@deltapure.com  
www.deltapure.com  
FUSION DWMC 11-APR-2016