MicroSentry™ MEE Series
Economical Pleated Filter Cartridges

Request a Quote Today!

• High surface area provides greater dirt-holding capacity, lower initial pressure drop and longer change-out intervals
• Constructed of layers of economical polyester and polypropylene blended media, laminated to provide depth filtration
• Best alternative to string wound, resin-bonded or spun cartridges
• No resin binders to break down and contaminate the filtrate
• 100% synthetic fibers with no surfactants that cause foaming
• Available in standard 2 5/8" and 4 1/2" (BB Style) diameter configurations
• Washable and reusable - significantly reduces filtration costs (20 micron and larger)

Applications
RO Prefilters
Plating Solutions
Electronics
Chemicals
Water & Wastewater
Food & Beverage
Microelectronics
Oil / Gas
Paint/Inks
Cosmetics

Specifications & Operating Parameters

Pore Sizes
0.35, 1A, 1, 5, 10, 20, 50 microns

Nominal Lengths
9.75", 10", 19.5", 20", 29.25", 30", 40"

Materials of Construction
Filter Media: Polyester / Polypropylene blend
Core: Polypropylene
End caps: Plastisol

Maximum Temperature
140°F (60°C)

Recommended Change-out Differential Pressure
20 psid (1.4 bar)

FDA Compliance
MEE products are manufactured of materials with no additives or other manufacturing agents. All materials used in the production of these cartridges meet the requirements of FDA Title 21 of The Code of Federal Regulations.
Filter Removal Efficiency

Flow vs. Pressure Drop
2.5” OD Cartridges

Flow vs. Pressure Drop
4.5” OD Cartridges

This chart represents the typical flow rate per 10” cartridge length. The test fluid is water at ambient temperature. Extrapolations for multiple lengths tend to be linear, but as flows increase the differential pressure across the housing becomes more apparent.

Ordering Guide (Example: MEE5-10)

<table>
<thead>
<tr>
<th>MEE</th>
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<th>10</th>
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</thead>
<tbody>
<tr>
<td>PRODUCT CODE</td>
<td>MICRON</td>
<td>LENGTH</td>
<td>OD</td>
</tr>
<tr>
<td>MEE</td>
<td>0.35</td>
<td>975 = 9 3/4”</td>
<td>Blank = 2 5/8”</td>
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<tr>
<td>1A</td>
<td>1</td>
<td>10 = 10”</td>
<td>BB = 4.5”</td>
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<tr>
<td>1</td>
<td>5</td>
<td>195 = 19.5”</td>
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<tr>
<td>5</td>
<td>10</td>
<td>20 = 20”</td>
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<tr>
<td>10</td>
<td>20</td>
<td>294 = 29 1/4”</td>
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<tr>
<td>20</td>
<td>30</td>
<td>30 = 30”</td>
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<tr>
<td>50</td>
<td>40</td>
<td>40 = 40”</td>
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Filter Housings
Shelco manufactures a full line of filter housings. From our rugged single cartridge housings to our heavy duty multi-cartridge housings and bag filter housings, Shelco is the perfect choice for your filtration solutions.