### Specifications & Operating Parameters

**Pore Sizes** 0.03, 0.1, 0.2, 0.45, 0.65, 0.8, 1.0 and 1.2 microns (absolute retention)

**Nominal Lengths** 9.75" (24.7 cm), 10" (25.4 cm), 20" (50.8 cm), 30" (76.2 cm), 40" (101.6 cm)

**Outside Diameter** 2.67" (6.78 cm)

**Inside Diameter** 1.0" (2.54 cm)

**Media Surface Area** 7.2 sq.ft. (0.67 m²) per 10 inches filter length

**Gaskets/O-rings** Silicone, Buna N, EPR, Viton, Teflon Encapsulated Viton (O-rings only)

**Materials of Construction**
- Filter Media: Asymmetric Polyethersulfone
- Outer Cage: Polypropylene
- Inner Core: Polypropylene
- End caps: Polypropylene

**Maximum Operating Temperature** 176°F (80°C)

**Recommended Change-out Differential Pressure** 35 psid (2.4 bar)

**Maximum Differential (Collapse) Pressure** 75 psid @ 70°F (5.2 bar @ 21°C), 40 psid @ 176°F (2.8 bar @ 80°C)

**Sanitization and Sterilization**
- Hot water at 175°F (80°C) at 5 psid for 30 minutes
- In-line steam at 257°F (125°C) @ 1 psid (0.7 bar) for 30 minutes
- Autoclavable at 257°F (125°C) for 30 minutes

**FDA and USP Compliance**
All polypropylene materials comply with the requirements of Food and Drug Administration Title 21 of The Code of Federal Regulations 174.5, 177.1520 and 177.1630. All components meet current USP Class VI biological tests for plastics
Flow vs. Pressure Drop

This chart represents the typical water flow per 10" cartridge length. Cartridges are tested in water at ambient temperature. Data may be extrapolated for multiple lengths, but as flow rate increases, ΔP of the housing becomes more apparent.

Ordering Guide (Example: MAS0.2-10S4S-G)

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>MICRON</th>
<th>LENGTH</th>
<th>END CAP CONFIGURATION</th>
<th>GASKET/O-RING</th>
<th>GRADE</th>
<th>OPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAS</td>
<td>0.03</td>
<td>9.75&quot;</td>
<td>S1 = DOE</td>
<td>B = Buna N</td>
<td>G</td>
<td>HT = High Temperature*</td>
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<tr>
<td></td>
<td>0.1</td>
<td>10&quot;</td>
<td>S3 = 222 w/ Fin End</td>
<td>E = EPDM</td>
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<td></td>
<td>0.2</td>
<td>19.75&quot;</td>
<td>S4 = 222 w/ Flat End</td>
<td>S = Silicone</td>
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<td></td>
<td>0.45</td>
<td>20&quot;</td>
<td>S5 = 226 w/ Fin End</td>
<td>V = Viton</td>
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<tr>
<td></td>
<td>0.65</td>
<td>29.25&quot;</td>
<td>S6 = 226 w/ Flat End</td>
<td>T = Teflon encapsulated</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>0.8</td>
<td>30&quot;</td>
<td>S7 = Internal O-ring with Recessed Plug</td>
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<tr>
<td></td>
<td>1.0</td>
<td>40&quot;</td>
<td>S9 = Internal O-ring on both ends</td>
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<tr>
<td></td>
<td>1.2</td>
<td></td>
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</table>

* High Temperature construction (cage, core, end caps): Maximum Temperature 200°F (93.3°C) - Available only in 222 or 226 with Fin or Flat end caps.

Filter Housings
Shelco manufactures a full line of filter housings. From our rugged single cartridge housings to our heavy duty multi-cartridge housings. Shelco is the perfect choice for your filtration solutions.

For pricing and information please call
Commercial Filtration Supply at (855)-236-0467

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