Strainrite’s Pleated PTFE Membrane Cartridges were developed for critical filtration applications where PTFE and polypropylene materials are compatible.

Utilizing a proprietary PTFE membrane casting method we are able to achieve a pore configuration that optimizes cartridge flow rates with absolute and reliable particle and microorganism retention. This unique combination of features positions them as one of the most reliable and economical PTFE membranes in the market.

These cartridges are manufactured and tested in our 3rd party certified clean room with components that meet USP Class VI Biological Reactivity Test resulting in extremely low extractables. These high purity elements are perfect for biopharmaceutical, microelectronics and high purity chemical applications.

**Features & Benefits**

Mem-Pleat T & Pur-MAXX T

- Pharmaceutical Grade elements are 100% integrity tested
- High flow rates
- Low extractables
- Thermally bonded construction
- FDA listed materials per CFR 21
- Manufactured in certified clean rooms

**Performance Characteristics**

![Graph showing water flow rate vs. differential pressure for 0.1μm and 0.2μm membranes]
### Specifications

**Absolute Rated Retention**
0.10, 0.20

**Maximum Differential Pressure**
- **Forward:** 75 psid (5.1 bar) @ 75°F (24°C)
- 40 psid (2.8 bar) @ 180°F (82°C)
- **Reverse:** 50 psid (3.4 bar) @ 75°F (24°C)

**Maximum Operating Temperature**
180°F (82°C) Continuous Duty

**Packaging Economy**
Bulk packaging in case quantities to reduce material disposal:
- 5 inch: 48 per carton
- 10 inch: 24 per carton
- 20 inch: 12 per carton
- 30 inch: 12 per carton
- 40 inch: 9 per carton

### Materials of Construction

**Filter Media**
PTFE

**End Caps**
- Polypropylene

**Pleat Support Material**
Polypropylene

**Cage/Core**
Polypropylene

**Seals**
- Buna N
- Fluorocarbon
- EPDM
- Silicone
- PTFE
- FEP Encapsulated Fluorocarbon
- FEP Encapsulated Silicone

**Sealing**
Thermal Bond

### Dimensions

**Mem-Pleat T**
- **Outside Diameter:** 2.55" (6.48cm)
- **Approx. Surface Area:** 6.8ft² per 10" equivalent
- **Lengths:**
  - 5" (12.7cm)
  - 10" (25.4cm)
  - 20" (50.8cm)
  - 30" (76.2cm)
  - 40" (102cm)

**Pur-MAXX T**
- **Outside Diameter:** 2.7" (6.87cm)
- **Approx. Surface Area:** 6.8ft² per 10" equivalent
- **Lengths:**
  - 5" (12.7cm)
  - 10" (25.4cm)
  - 20" (50.8cm)
  - 30" (76.2cm)
  - 40" (102cm)

### Ordering Information

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>0.1</td>
<td>5</td>
<td>5&quot;</td>
<td>C1</td>
<td>Double Open Ends</td>
<td>S</td>
<td>Silicone</td>
<td>I</td>
<td>316 SS Insert</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>10</td>
<td>10&quot;</td>
<td>C2</td>
<td>213/Recessed Cup</td>
<td>B</td>
<td>Buna N</td>
<td>DIF</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>20</td>
<td>20&quot;</td>
<td>C3</td>
<td>Flat/222</td>
<td>F</td>
<td>Fluorocarbon</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>30</td>
<td>30&quot;</td>
<td>C4</td>
<td>Single Open End/Flat</td>
<td>V</td>
<td>EPDM</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>40</td>
<td>40&quot;</td>
<td>C5</td>
<td>Recessed Cup/222</td>
<td>T</td>
<td>Teflon/PTFE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0.2</td>
<td>5</td>
<td>5&quot;</td>
<td>C6</td>
<td>Flat/226</td>
<td>Y</td>
<td>Encapsulated Fluoro.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>10</td>
<td>10&quot;</td>
<td>C7</td>
<td>Fin/226</td>
<td>E</td>
<td>Encapsulated Silicone</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>20</td>
<td>20&quot;</td>
<td>C8</td>
<td>Fin/222</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Mem-Pleat T**: MPT

**Pur-MAXX T**: PRMXT