High Purity - PP
Pleated Polypropylene Cartridge

High Purity Pleated Polypropylene Cartridges are designed for use in most applications where absolute rated pleated filtration is needed. Designed to hold 6.5 square feet of filtration media, our High Purity - PP cartridges are a great value. These cartridges are constructed with 100% polypropylene materials and assembled using the latest thermal bonding equipment. PP cartridges are offered in both absolute (to 99.9%) and nominal (80%) retention efficiencies.

Flow Rate vs. Pressure Drop

Typical Applications
- Food & Beverage
- Distilled Water
- R.O. Membrane
- Pre-Filtration
- Process Water
- Fine Chemicals
- Plating Chemicals
- Wastewater

Dimensions
- Length: 10 to 40 inches (25.4 to 101.6 cm) nominal
- Outside Diameter: 2.70 inches (7.0 cm) nominal

Sanitization/Sterilization
- Filtered Hot Water: 80°C for 30 min.
- Steam Sterilization: 121°C for 30 min., multiple cycles
- Chemicals: Cartridges are chemically compatible with most chemicals and sanitizing agents.
- Note: Stainless steel insert option needed for all cartridges being hot water sanitized or steam sterilized.

Food Safety Compliance
Materials of construction comply with FDA regulations for food and beverage contact use as detailed in the US Code of Federal Regulations, 21CFR. Materials used to produce filter media and hardware are deemed safe for use in contact with foods only in accordance with EU Directives 2002/72/EC, 1935/2004, and/or 10/2011.

Construction Materials
- Filtration Media: Polypropylene
- Support Media: Polypropylene
- End Caps: Polypropylene
- Center Core: Polypropylene
- Outer Support Cage: Polypropylene
- O-Rings/Gaskets: Buna, EPDM, Silicone, Viton®, Tetlon® Encapsulated Viton®,

Maximum Recommended Operating Conditions
- Change Out: AP 35 PSI
- Temperature: 176°F (80°C)

Toxicity
- All polypropylene components meet the specifications for biological safety per USP Class VI – 121°C for plastics.

Ordering Information

<table>
<thead>
<tr>
<th>PP Rating (μ)</th>
<th>Retention</th>
<th>Length</th>
<th>C</th>
<th>End Cap Style</th>
<th>O-Rings/Gaskets</th>
<th>Addons</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.2 A – Absolute</td>
<td>10&quot; (25.4 cm)</td>
<td>2 = DOE Flat Gasket</td>
<td>B = Buna</td>
<td>I = Stainless Steel Insert</td>
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<td></td>
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<tr>
<td>0.45 N = Nominal</td>
<td>20&quot; (50.8 cm)</td>
<td>3 = 222 w/ Fin</td>
<td>E = EPDM, Silicone</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>1.0</td>
<td>30&quot; (76.2 cm)</td>
<td>4 = 222 w/ Flat Cap</td>
<td>S = Silicone</td>
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<td></td>
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</tr>
<tr>
<td>2.0</td>
<td>40&quot; (101.6 cm)</td>
<td>5 = 222 w/ Spring</td>
<td>V = Viton®</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5.0</td>
<td>226 w/ Flat Cap</td>
<td>T = Tetlon® Encapsulated Viton®</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>10.0</td>
<td>226 w/ Fin</td>
<td>Z = Tetlon® Encapsulated Silicone</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>20.0</td>
<td>226 w/ Spring</td>
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</tr>
<tr>
<td>40.0</td>
<td>16 – 213 Internal O-Ring</td>
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</table>

DISCLAIMER: Filtration data presented is representative of performance observed in controlled laboratory setting. It is not given as a warranty, specification or statement of fitness for use. Specific performance can vary widely depending on automation or filter type, fluid properties, flow rates and environmental conditions. It is recommended that users conduct through qualification testing to assure the product handled as required.