PPA Series
Pleated Polypropylene Absolute Rate Filter Cartridge

Delta Pure’s PPA Cartridges are designed for use in most applications where absolute rated pleated filtration is required. With 6.5 square feet of filtration media per 10 inch length, the PPA Cartridge provides an economical solution for critical applications.

PPA cartridges are constructed with 100% polypropylene materials and assembled using the latest thermal bonding equipment. They make an ideal membrane pre-filter and can also be used as an alternative to membrane filters in some applications. PPA cartridges deliver high flow rates with minimal pressure drop. Various end cap configurations are available to fit most standard and sanitary housings.

Benefits
- Absolute Rated for Reliable Performance
- Continuous Lengths to 40”
- Can be Sanitized/Sterilized
- High Purity Construction—FDA listed Materials
- Large Surface Area for Long Cartridge Life
- Wide Chemical Compatibility

Applications
- Food & Beverage
- Photographic
- Deionized Water
- R.O. Membrane
- Pre-filtration
- Process Water
- Fine Chemicals
- Plating/Anodizing
- Wastewater
- Electronics
Specifications

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

Sanitization/Sterilization
Filtered Hot Water: 80°C for 30 Minutes
Steam Sterilization: 121°C for 30 min, multiple cycles
Chemicals: Cartridges are chemically compatible with most chemicals and sanitizing agents.

Note: Stainless Insert option required for all cartridges being hot water sanitized or steam sterilized.

Dimensions
Length: 10 to 40 inches (25.4 to 101.6 cm) nominal
Outside Diameter: 2.75 inches (7.0 cm) nominal
Maximum Recommended Operating Conditions:
Change Out: Δ P = 35 PSI
Temperature: 176°F (80°C)

FDA Listed Materials
Manufactured from materials which meet CFR for potable and edible liquid contact.

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

Pressure Drop vs. Flow Rate
10 inch (250 mm) Cartridges; Water Flow Rate (LPM)

Model Code/Ordering Information

<table>
<thead>
<tr>
<th>CARTRIDGE TYPE</th>
<th>PORE SIZE</th>
<th>LENGTH</th>
<th>END CAP CODES</th>
<th>O-RINGS/GASKETS</th>
<th>OPTIONS</th>
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<tbody>
<tr>
<td>PPA - Pleated Polypropylene Absolute Filter Cartridge</td>
<td>0.2</td>
<td>10 (25.4cm)</td>
<td>2 - DOE - Flat Gasket</td>
<td>B - Buna</td>
<td>I - Stainless Steel Insert</td>
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<tr>
<td></td>
<td>0.45</td>
<td>20 (50.8cm)</td>
<td>3 - 222 w/Fin</td>
<td>E - EPDM</td>
<td>HP - Heavy Poly Core</td>
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<td>1.0</td>
<td>30 (76.2cm)</td>
<td>4 - 222 w/ Flat Cap</td>
<td>S - Silicone</td>
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<td>2.0</td>
<td>40 (101.6cm)</td>
<td>5 - 222 w/ Spring</td>
<td>V - Viton</td>
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<td>6 - 226 w/ Fin</td>
<td>T - Teflon Encapsulated Viton</td>
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<td>10.0</td>
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<td>7 - 226 w/ Spring</td>
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<td>8 - 226 w/ Spring</td>
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<td>40.0</td>
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<td>16 - 213 Internal O-Ring</td>
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EXAMPLE: PPA-5-30-4-S
MADE IN USA

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