Polypure® Capsules

All-polypropylene graded density prefilters extend final filter life

- All-polypropylene components provide superior chemical compatibility and low levels of extractables.
- Melt-blown media and thermally bonded construction protect purity and integrity of filtered solutions.
- Economical. High dirt-holding capacity can improve throughput and extend the life of your final filters, especially when working with viscous solutions.
- Biocompatible. Materials pass USP Class VI 121 °C Plastic and Cytotoxicity tests. Listed as acceptable for food contact according to the Code of Federal Regulations, Title 21.
- Fusion technology manufacturing minimizes the number of structural components and eliminates potentially harmful extractables that may be released from uncured sealing adhesives.
- Disposable, single-use capsules can be sterilized by autoclaving or sanitized by most common methods.

Applications

- Excellent flow rates make capsules ideal for prefiltration of biologicals, serum-based products, beverages, plating solutions, ink, syrup, water, and a wide range of solvents.
- Can be used for compressed air and gas filtration.
- Broad chemical compatibility of capsules makes general clarification of fluids easy.
- Ideal in situations where rapid filtration or short processing times are essential.

Specifications

Materials of Construction
Media: Graded-density non-woven polypropylene
Support Materials: Polypropylene
Structural Components: Polypropylene
Sealing Method: Thermal bonding

Effective Filtration Area
1500 cm²

Housing Length
22.9 cm (9.0 in.)

Inlet/Outlet Connection
12.7 mm (1/2 in.) straight hose barb

Housing Diameter
6.8 cm (2.7 in.)

Typical Water Flow Rate
24.0 L/min/0.1 bar (16.7 L/min/psi)

Maximum Operating Pressure
4.1 bar (60 psid) at ambient temperature

Maximum Operating Temperature
82 °C (180 °F) at 0.7 bar (10 psid)

Sterilization
Autoclave 121 °C (15 psi) for 20 minutes

Biocompatibility
Materials of construction pass USP Class V1-121 °C Plastics and Cytotoxicity Tests
### Ordering Information

<table>
<thead>
<tr>
<th>Product No.</th>
<th>Description</th>
<th>Packaging</th>
</tr>
</thead>
<tbody>
<tr>
<td>12075</td>
<td>Polypure® capsule, 1 µm</td>
<td>1/pkg</td>
</tr>
<tr>
<td>12076</td>
<td>Polypure capsule, 5 µm</td>
<td>1/pkg</td>
</tr>
<tr>
<td>12077</td>
<td>Polypure capsule, 10 µm</td>
<td>1/pkg</td>
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</tbody>
</table>

### Complementary Products

For final filtration, choose from our line of scaleable capsules:

<table>
<thead>
<tr>
<th>Product No.</th>
<th>Description</th>
<th>Packaging</th>
</tr>
</thead>
<tbody>
<tr>
<td>12941</td>
<td>AcroPak® 200 capsule with 0.8/0.2 µm Supor® membrane, 200 cm²</td>
<td>3/pkg</td>
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<tr>
<td>12991</td>
<td>AcroPak 500 capsule with 0.8/0.2 µm Supor membrane, 500 cm²</td>
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<tr>
<td>12992</td>
<td>AcroPak 1000 capsule with 0.8/0.2 µm Supor membrane, 1000 cm²</td>
<td>1/pkg</td>
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<tr>
<td>12675</td>
<td>AcroPak 1500 capsule with 0.8/0.2 µm Supor membrane, 1500 cm²</td>
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<td>12993</td>
<td>AcroPak 500 capsule with 0.8/0.45 µm Supor membrane, 500 cm²</td>
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<tr>
<td>12686</td>
<td>AcroPak 1500 capsule with 0.2/0.2 µm Supor membrane, 1500 cm²</td>
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