Description

Devices Constructed of the Same Materials as Larger-Capacity Capsules and Cartridges

- Simplifies scale-up and minimizes revalidation; no need to change membrane materials during transition to pilot or production.
- Four membrane chemistries assure compatibility with a wide range of fluids:
  - Supor® membrane has high flow rates and throughputs, and is ideal for solutions where low protein binding is required. Not recommended with some ketones.
  - Fluorodyne® II membrane offers high flow rates and is ideal for applications where PVDF membrane is specified. Not recommended with some ethers.
  - Ultipor® membrane provides broad solvent and chemical compatibility, and low extractables.
  - Posidyne® membrane enhances bioburden and pyrogen removal from aqueous solutions.
- Integrity testable (water bubble point).
- Bacterial retention tested.
- Sterilized by gamma irradiation to eliminate potential contamination by EtO residuals.

Application

- Drug development studies
- Determination of product compatibility and recovery
- Preliminary filterability testing
- Small-volume liquid sterilization

Specifications

Materials of Construction
- Filter Media: Supor [hydrophilic polyethersulfone (PES)], Fluorodyne II (hydrophilic PVDF), Ultipor (Nylon 6,6), and Posidyne (positively-charged Nylon 6,6) membranes
- Housing: Polypropylene

Effective Filtration Area
- 2.8 cm²

Inlet/Outlet Connections
- Female luer lock inlet, male slip luer outlet

Typical Hold-Up Volume
- < 100 µL

Maximum Operating Temperature
- 60 °C (140 °F) at 2.1 bar (210 kPa, 30 psi)
Maximum Operating Pressure
- 5.4 bar (540 kPa, 80 psi) at ambient temperature

Typical Water Flow Rate
- mL/min at 2.1 bar (210 kPa, 30 psi)
- PN 4905: 130
- PN 4906: 78
- PN 4907: 130
- PN 4908: 77

Recommended Integrity Test Minimum Bubble Point - Water
- PN 4905: 3.5 bar (350 kPa, 51 psi)
- PN 4906, 4908, and 4907: 3.2 bar (320 kPa, 46 psi)
- PN 4902: 3.32 bar (332 kPa, 48 psi)

Bacterial Retention
- Lot samples retain a minimum of 10⁷ cfu/cm² of B. diminuta per modified ASTM F838-05, current revision

Endotoxin Level
- < 0.25 EU/mL using Limulus Amoebocyte Lysate (LAL) test

Biological Safety
- Passes United States Pharmacopeia (USP) Biological Reactivity Test, In Vivo <88>

Sterilization
- Sterilized by gamma irradiation and individually packaged

Related Products
- AcroPak™ 20 Filters with Supor® Membrane
- AcroPak™ 200 Capsules with Supor® Membranes
- AcroPak™ 500, 1000, & 1500 Capsules with Supor® Membrane
- AcroPak™ 20 Filters and AcroPak 200 Capsule with Fluorodyne® II Membrane
- AcroPak™ 400 and 800 Capsules with Fluorodyne® II Membrane

Ordering Information

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<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Pkg</th>
<th>Price</th>
<th>Qty</th>
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<tr>
<td>4905</td>
<td>0.8/0.2 µm, Supor membrane, sterile</td>
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<td>4907</td>
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<td>MachV asymmetric prefilter/0.2 µm Supor EKV      membrane, sterile</td>
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</table>

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