



## Acrodisc® Syringe Filters Optimized for Scale Up

### 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 cm<sup>2</sup>

#### 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  $10^7$  cfu/cm<sup>2</sup> 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

Part Number	Description	Pkg	Price	Qty
<b>Acrodisc® Syringe Filters, 25 mm</b>				
4905	0.8/0.2 µm, Supor membrane, sterile	50/pkg	NA	<input type="text" value="0"/>
4907	0.2 µm, Fluorodyne II membrane, sterile	50/pkg	NA	<input type="text" value="0"/>
4906	0.2 µm, Ultipor membrane, sterile	50/pkg	NA	<input type="text" value="0"/>
4908	0.2 µm, Posidyne membrane, sterile	50/pkg	NA	<input type="text" value="0"/>
4902	MachV asymmetric prefilter/0.2 µm Supor EKV membrane, sterile	50/pkg	NA	<input type="text" value="0"/>

### Contact Information

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[Driving Directions](#)

[Map](#)

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