



Membrane Stack Disc Filters Optimized for Scale Up

Description

For Initial Filterability and Compatibility Studies

- ▶ Used for a wide variety of applications including clarification and prefiltration, sterile filtration, and virus removal.
- ▶ Membranes contain the same materials of construction as larger capsule and cartridge filters. Simplify scale up and minimize requalification; no need to change materials during transitions to pilot or production scale.
- ▶ Five membrane types offered to assure compatibility with a wide range of fluids and applications:
 - Fluorodyne® II membrane offers high flow rates and is ideal for applications where low protein binding is necessary. Not recommended with some ethers.
 - Supor® membrane has high flow rates and throughputs and is ideal for solutions where low protein binding is required. Not recommended with some ketones.
 - Ultipor® membrane, the industry standard for pharmaceutical filtration, provides broad solvent and chemical compatibility, and low extractables.
 - Posidyne® membrane enhances bioburden and pyrogen removal from aqueous solutions.
 - Preflow™ media is ideal for the prefiltration of biological fluids including cell culture media, serum based products and protein solutions.



Application

- ▶ Filtration of small volumes
- ▶ Drug development studies
- ▶ Validation studies
- ▶ Determination of product compatibility

Specifications

Materials of Construction

- ▶ Filter Media: Fluorodyne II (hydrophilic PVDF), Supor [hydrophilic polyethersulfone (PES)], Supor EKV (hydrophilic polyethersulfone), Ultipor (Nylon 6,6), and Posidyne (positively charged Nylon 6,6) membranes, and Preflow media (resin-bonded glass fiber)
- ▶ Support and Drainage Layers:
 - PN 61300, 61301, 61302, and 61309: Polypropylene
 - PN 61303, 61304, 61306, and 61307: Polyester

Pore Size

- ▶ 0.1, 0.2, 0.45, and 0.8/0.2 µm

Diameter

- ▶ Filter Media: 47 mm
- ▶ Support Layer: 37 mm

Filter Area¹

- ▶ 9.6 cm²

Recommended Integrity Test Minimum Bubble Point – Water

- ▶ PN 61300, 61304, and 61303: 3.2 bar (320 kPa, 46 psi)
- ▶ PN 61302: 3.5 bar (350 kPa, 51 psi)
- ▶ PN 61309: 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, current revision

¹When used with Pall Life Sciences laboratory filter holder PN 2220; exact filter area will depend on the filter holder configuration.

Related Products

- ▶ Acrodisc® Syringe Filters Optimized for Scale Up
- ▶ AcroPak™ 20 Filters with Supor® Membrane
- ▶ AcroPak™ 20 Filters with Supor EKV Membrane
- ▶ AcroPak™ 20 Filters and AcroPak 200 Capsule with Fluorodyne® II Membrane
- ▶ AcroPak™ 200 Capsules with Supor EKV Membrane
- ▶ AcroPak™ 200 Capsules with Supor® Membrane
- ▶ AcroPak™ 400, 800, and 1500 Capsules with Supor EKV Membrane
- ▶ AcroPak™ 500, 1000, & 1500 Capsules with Supor® Membrane
- ▶ AcroPak™ 400 and 800 Capsules with Fluorodyne® II Membrane
- ▶ Supracap™ 60 Depth Filter Capsules
- ▶ Supracap™ 100 Depth Filter Capsules
- ▶ Mini Profile® Capsules

Ordering Information

Part Number	Description	Pkg	Price	Qty
Membrane Stack Disc Filters				
61301	0.1 µm Fluorodyne II membrane	5/pkg	NA	<input type="text" value="0"/>
61300	0.2 µm Fluorodyne II membrane	5/pkg	NA	<input type="text" value="0"/>
61302	0.8/0.2 µm Supor membrane	5/pkg	NA	<input type="text" value="0"/>
61303	0.2 µm Ultipor membrane	5/pkg	NA	<input type="text" value="0"/>
61304	0.2 µm Posidyne membrane	5/pkg	NA	<input type="text" value="0"/>
61306	0.2 µm Preflow UUA media	5/pkg	NA	<input type="text" value="0"/>
61307	0.45 µm Preflow UB media	5/pkg	NA	<input type="text" value="0"/>
61309	0.2 µm, Supor EKV membrane	5/pkg	NA	<input type="text" value="0"/>

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