Acrodisc® Syringe Filters with Supor® Membrane

Description

Universal Life Science Membrane for General Aqueous Samples

- Acrodisc PSF syringe filters are Zymark® and SOTAX® Automation Certified to assure smooth operation and worry-free performance 24 hours a day in automated workstations.
- Superior flow rates and higher throughputs than competitive devices.
- Low protein binding to minimize sample loss.
- Acrodisc PSF syringe filters feature unique built-in prefilter for increased throughput of difficult-to-filter liquids.

*Registered trademark

Application

- 25 mm Acrodisc PSF syringe filter is available in robotic-compatible AutoPack™ packaging for SOTAX AT-70 SMART® and CTS and Zymark TPW*, APW*, and MultiDoses dissolution systems.
- Widely used in dissolution testing.
- Larger pore size filters are used for prefiltration and particulate removal.
- > 0.8 µm pore sizes are excellent for difficult-to-filter dissolution samples.

*Registered trademark

Specifications

Materials of Construction

- Filter Media: Supor membrane (hydrophilic polyethersulfone)
- GxF Prefilter: Borosilicate glass
- Housing:
  - 25 mm PSF: Polyproplene
  - 32 mm: Modified acrylic

Pore Size

- Supor Membrane: 0.2, 0.45, 1.2, and 5 µm
- GxF Prefilter: 40 - 1 µm

Effective Filtration Area

- 25 mm PSF: 3.9 cm²
- 32 mm: 5.8 cm²
Inlet/Outlet Connections
- Female luer lock inlet, male slip luer outlet

Typical Hold-Up Volume (with air purge)
- 25 mm PSF GxF: 200 µL
- 32 mm: 100 µL

Maximum Operating Temperature
- 25 mm PSF GxF: 100 ºC (212 ºF) at 2.1 bar (210 kPa, 30 psi)
- 32 mm: 55 ºC (131 ºF)

Maximum Operating Pressure
- 25 mm PSF GxF: 4.1 bar (410 kPa, 60 psi) at 21 - 24 ºC (70 - 75 ºF); 2.1 bar (210 kPa, 30 psi) at 100 ºC (212 ºF)
- 32 mm: 5.2 bar (520 kPa, 75 psi)

Typical Water Flow Rate
- mL/min at 2.1 bar (210 kPa, 30 psi) 25 mm PSF, GxF/0.45 µm: 360
- mL/min at 3.1 bar (310 kPa, 45 psi)
- 32 mm, 0.2 µm: 490
- 32 mm, 0.45 µm: 560
- 32 mm, 0.8/0.2 µm: 440
- 32 mm, 1.2 µm: 1700
- 32 mm, 5 µm: 1750

Related Products
- Supor PES Membrane Disc Filters
- 47 mm Filter Funnel, Glass
- SolVac Filter Holder
- Stainless Steel Forceps
- Vacuum/Pressure Pumps

Ordering Information

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<th>Part Number</th>
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<th>Pkg</th>
<th>Price</th>
<th>Qty</th>
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| Acrodisc Syringe Filters With Supor Membrane, 32 mm (Bulk Packaging) |
|-------------------------|-----------------|-------|-----|
| 4655                    | 0.2 µm, modified acrylic housing | 1000/pkg | NA | 0 |
| 4659                    | 0.8/0.2 µm, modified acrylic housing | 1000/pkg | NA | 0 |
| 4653                    | 0.45 µm, modified acrylic housing | 1000/pkg | NA | 0 |
| 4661                    | 1.2/0.45 µm, modified acrylic housing | 1000/pkg | NA | 0 |
| 4660                    | 1.2 µm, modified acrylic housing | 1000/pkg | NA | 0 |
| 4662                    | 5 µm, modified acrylic housing | 1000/pkg | NA | 0 |
## Contact Information

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