



Acrodisc® Syringe Filters with Glass Fiber

Description

Maximize Throughput for Hard-to-Filter 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.
- ▶ Available with GxF multi-layered glass fiber prefilter, providing two to four times the throughput of standard glass fiber prefilter devices, and allowing quick and easy filtration of your most difficult-to-filter samples.
- ▶ Reduces clogging. Use alone or in series with final membrane filter to increase flow rate and throughput.
- ▶ Ensures broad chemical compatibility with polypropylene housing.



*Registered trademark

Application

- ▶ For high throughput prefiltration of particulate-laden samples
- ▶ Can be used alone or in series with another Acrodisc syringe filter
- ▶ 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
- ▶ Removes particulate that interferes with UV/VIS spectrophotometric analysis

*Registered trademark

Specifications

Materials of Construction

- ▶ Filter Media: Borosilicate glass fiber
- ▶ Housing: Polypropylene

Pore Size

- ▶ Glass Fiber: 1 μm
- ▶ GxF Prefilter: 40 - 1 μm

Effective Filtration Area

- ▶ 3.9 cm^2

Sample Volume

- ▶ < 150 mL

Inlet/Outlet Connections

- ▶ Female luer lock inlet, male slip luer outlet

Typical Hold-Up Volume (with air purge)

- ▶ < 125 µL

Maximum Operating Temperature

- ▶ 82 °C (180 °F) at 2.1 bar (210 kPa, 30 psi)

Maximum Operating Pressure

- ▶ 4.1 bar (410 kPa, 60 psi) at 21 - 24 °C (70 - 75 °F)
- ▶ 2.1 bar (210 kPa, 30 psi) at 82 °C (180 °F)

Typical Water Flow Rate

- ▶ 795 mL/min at 1.0 bar (100 kPa, 15 psi)

Related Products

- ▶ [47 mm Filter Funnels, Glass](#)
- ▶ [HPLC Mobile Phase Filtration Membranes](#)
- ▶ [SolVac® Filter Holder](#)
- ▶ [Stainless Steel Forceps](#)
- ▶ [Vacuum/Pressure Pumps](#)

Ordering Information

Part Number	Description	Pkg	Price	Qty
Acrodisc Syringe Filters with Glass Fiber, 25 mm				
4527	1 µm (nominal), AutoPack tubes	25/pkg 200/cs	NA	<input type="text" value="0"/>
4523	1 µm (nominal)	50/pkg 200/cs	NA	<input type="text" value="0"/>
4529	1 µm (nominal)	1000/pkg	NA	<input type="text" value="0"/>
Zymark and SOTAX Automation Certified Acrodisc PSF GxF Syringe Filters With Glass Fiber, 25 mm				
AP-4527	GxF/Glass, AutoPack tubes	25/pkg, 200/cs	NA	<input type="text" value="0"/>
AP-4523	GxF/Glass	50/pkg, 200/cs	NA	<input type="text" value="0"/>
AP-4529	GxF/Glass	1000/pkg	NA	<input type="text" value="0"/>

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