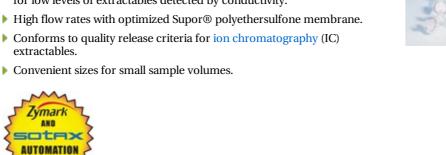


Ion Chromatography (IC) Acrodisc® Syringe Filters

Description

Optimized to Provide the Most Consistent Results when **Analyzing Ionic Species**

- 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.
- Accurate results for the most sensitive analysis of ionic species. Certified for low levels of extractables detected by conductivity.
- extractables.





CERTIFIED

Application

- Specifically designed for IC applications.
- ▶ Excellent filter selection for dissolution samples.
- Low drug and protein binding for pharmaceutical filtration.
- ▶ Supor (IC) membrane discs are recommended for aqueous samples only.
- ▶ 25 mm Acrodisc PSF syringe filter is available in robotic-compatible packaging for Caliper*, TPW*, APW* and Multi-Dose* systems, and Sotax* dissolution systems.

Specifications

Materials of Construction

- ▶ Filter Media: Supor [hydrophilic polyethersulfone (PES)] membrane
- ▶ Housing: Polypropylene

Pore Size

▶ 0.2 and 0.45 µm

Effective Filtration Area

- ▶ 13 mm: 1.0 cm²
- 25 mm PSF: 3.9 cm²

Sample Volume

- ▶ 13 mm: < 10 mL
- 25 mm PSF: < 150 mL</p>

Inlet/Outlet Connections

▶ Female luer lock inlet, male slip luer outlet

Typical Hold-Up Volume (with air purge)

- 13 mm: < 30 μL</p>
- **>** 25 mm PSF: < 125 μL

Maximum Operating Temperature

- ▶ 13 mm: 55 °C (131 °F)
- > 25 mm PSF: 100 °C (212 °F) at 2.1 bar (210 kPa, 30 psi)

Maximum Operating Pressure

- ▶ 13 mm: 6.9 bar (690 kPa, 100 psi)
- ▶ 25 mm PSF: 4.1 bar (410 kPa, 60 psi) at 21 24 °C (70 75 °F); 2.1 bar (210 kPa, 30 psi) at 100 °C (212 °F)

Typical Water Flow Rate

- ▶ mL/min at 1.0 bar (100 kPa, 15 psi)
- ▶ 13 mm, 0.2 μm: 15
- 13 mm, 0.45 μm: 20
- ▶ mL/min at 2.1 bar (210 kPa, 30 psi)
- 25 mm, 0.45 μm PSF: 420

Performance

Ion Chromatography Certification

Pall Life Sciences certifies that the maximum allowable levels of extractables from the filter are 50 ppb of Cl $^{\text{-}}$, NO $_3$ $^{\text{-}}$, and SO $_4$ $^{\text{-}}$ 2. Data shows that the actual background levels found are typically less than 20 ppb for chloride, 6 ppb for nitrate, 1 ppb for phosphate, and 10 ppb for sulfate. This is based on 2 mL of $\mathrm{H}_2\mathrm{O}$ filtrate being concentrated on-line and injected into an ion chromatograph with conductivity detection.

Related Products

- ▶ 47 mm Glass Filter Funnels
- ▶ SolVac™ Filter Holder
- ▶ Stainless Steel Forceps
- Vacuum/Pressure Pumps

Ordering Information

Part Number	Description	Pkg	Price	Qty				
Ion Chromatography Acrodisc® Syringe Filters, 13 mm								
4483	0.2 μm	100/pkg 300/cs	NA	0				
4683	0.2 μm	1000/pkg	NA	0				
4485	0.45 μm	100/pkg 300/cs	NA	0				
4685	0.45 μm	1000/pkg	NA	0				
Ion Chromatography (PES) Acrodisc Syringe Filters, 25 mm								
4583	0.2 μm	50/pkg, 200/cs	NA	0				
4783	0.2 μm	1000/pkg	NA	0				
4585	0.45 μm	50/pkg, 200/cs	NA	0				
4785	0.45 μm	1000/pkg	NA	0				

Zymark* and SOTAX* Automation Certified Ion Chromatography Acrodisc PSF Syringe Filters, 25 mm

AP-4801	0.2 μm AutoPack TM tubes	25/pkg, 200/cs	NA	0
AP-4802	0.2 μm	50/pkg, 200/cs	NA	0
AP-4803	0.2 μm	1000/pkg	NA	0
AP-4587	0.45 µm AutoPack™ tubes	25/pkg 200/cs	NA	0
AP-4585	0.45 μm	50/pkg 200/cs	NA	0
AP-4785	0.45 μm	1000/pkg	NA	0

Contact Information

Pall Office(s)

World Headquarters 25 Harbor Park Drive Port Washington, NY 11050

Phone: (516) 484-3600

Alternate Phone: 1-800-289-

7255

Fax: (516) 801-9754 **Driving Directions**

Map

Distributor(s)

VWR International

1310 Goshen Parkway West Chester, PA 19380

Phone: 800.932.5000 Phone: 610.431.1700 Fax: 610.436.1760

Web: http://www.vwrsp.com/

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