



Pall Corporation

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Acrodisc® Syringe Filters with Nylon Membrane

Description

Versatile Filter for Both Aqueous and Solvent-Based Sample Filtration

- ▶ 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.
- ▶ Excellent chemical compatibility with esters, bases, and alcohols.
- ▶ Saves time because no prewetting is required.
- ▶ Easy filtration of particulate-laden samples with the glass fiber prefilter version.
- ▶ 13 mm device with minispikes configuration offers low hold-up and easy filtration into autosampler vials.
- ▶ Prevents spurious peaks on chromatograms for accurate experimental results. HPLC certified for low levels of UV-absorbing extractables.



**Registered trademark*

Application

- ▶ The Acrodisc PSF GxF syringe filter provides two to four times the throughput of standard prefilter devices.
- ▶ Not recommended for acids > 1 N or halogenated solvents.
- ▶ 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.

**Registered trademark*

Specifications

Materials of Construction

- ▶ Filter Media: Nylon
- ▶ Housing: Polypropylene
- ▶ GxF Prefilter: Borosilicate glass

Pore Size

- ▶ Nylon Membrane: 0.2 and 0.45 μm
- ▶ GxF Prefilter: 40 - 1 μm

Effective Filtration Area

- ▶ 4 mm: 0.2 cm^2
- ▶ 13 mm: 1.0 cm^2
- ▶ 25 mm PSF: 3.9 cm^2

Sample Volume

- ▶ 4 mm: < 2 mL
- ▶ 13 mm: < 10 mL
- ▶ 25 mm PSF: < 150 mL

Inlet/Outlet Connections

- ▶ 4, 13, and 25 mm PSF: Female luer lock inlet, male slip luer outlet
- ▶ 13 mm: Available with minispikes outlet

Typical Hold-Up Volume (with air purge)

- ▶ 4 mm: < 10 µL
- ▶ 13 mm (minispikes): < 14 µL
- ▶ 13 mm (male luer): < 30 µL
- ▶ 25 mm PSF: < 125 µL
- ▶ 25 mm PSF GxP: < 150 µL

Maximum Operating Temperature

- ▶ 55 °C (131 °F) at 2.1 bar (210 kPa, 30 psi)

Maximum Operating Pressure

- ▶ 4 mm: 5.2 bar (520 kPa, 75 psi)
- ▶ 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 55 °C (131 °F)

Typical Water Flow Rate mL/min at 2.1 bar (210 kPa, 30 psi)

- ▶ 13 mm, 0.2 µm: 10
- ▶ 13 mm, 0.45 µm: 15
- ▶ 25 mm PSF, 0.2 µm: 115 0.45 µm: 245
- ▶ 25 mm PSF GxP/0.45 µm: 215

Related Products

- ▶ [47 mm Filter Funnels, Glass](#)
- ▶ [AcroPrep™ 24 Filtration System](#)
- ▶ [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 Nylon Membrane, 13 mm, Minispikes				
4550	0.2 µm, minispikes outlet	100/pkg 300/cs	NA	<input type="text" value="0"/>
4561	0.2 µm, minispikes outlet	1000/pkg	NA	<input type="text" value="0"/>
4551	0.45 µm, minispikes outlet	100/pkg 300/cs	NA	<input type="text" value="0"/>
4546	0.45 µm, minispikes outlet	1000/pkg	NA	<input type="text" value="0"/>
Acrodisc Syringe Filters with Nylon Membrane, 13 mm				
4427	0.2 µm, male slip luer outlet	100/pkg 300/cs	NA	<input type="text" value="0"/>
4540	0.2 µm, male slip luer outlet	1000/pkg	NA	<input type="text" value="0"/>
4426	0.45 µm, male slip luer outlet	100/pkg 300/cs	NA	<input type="text" value="0"/>
4541	0.45 µm, male slip luer outlet	1000/pkg	NA	<input type="text" value="0"/>

Acrodisc Syringe Filters with Nylon Membrane, 25 mm

4436	0.2 µm	50/pkg, 200/cs	NA	<input type="text" value="0"/>
4522	0.2 µm	1000/pkg	NA	<input type="text" value="0"/>
4517	0.45 µm, AutoPack™ tubes	25/pkg, 200/cs	NA	<input type="text" value="0"/>
4438	0.45 µm	50/pkg, 200/cs	NA	<input type="text" value="0"/>
4502	0.45 µm	1000/pkg	NA	<input type="text" value="0"/>

Acrodisc GF Syringe Filters with Nylon Membrane, 25 mm

4548	GF/0.45 µm, AutoPack tubes	25/pkg, 200/cs	NA	<input type="text" value="0"/>
4549	GF/0.45 µm	50/pkg, 200/cs	NA	<input type="text" value="0"/>
4528	GF/0.45 µm	1000/pkg	NA	<input type="text" value="0"/>

Acrodisc PSF Syringe Filters with Nylon Membrane, 25 mm

AP-4437	0.2 µm, AutoPack™ tubes	25/pkg 200/cs	NA	<input type="text" value="0"/>
AP-4436	0.2 µm	50/pkg 200/cs	NA	<input type="text" value="0"/>
AP-4522	0.2 µm	1000/pkg	NA	<input type="text" value="0"/>
AP-4517	0.45 µm, AutoPack tubes	25/pkg 200/cs	NA	<input type="text" value="0"/>
AP-4438	0.45 µm	50/pkg 200/cs	NA	<input type="text" value="0"/>
AP-4502	0.45 µm	1000/pkg	NA	<input type="text" value="0"/>

Acrodisc PSF GxF Syringe Filters with Nylon Membrane, 25 mm

AP-4786	GxF/0.2 µm, AutoPack tubes	25/pkg, 200/cs	N/A	<input type="text" value="0"/>
AP-4787	GxF/0.2 µm	50/pkg, 200/cs	NA	<input type="text" value="0"/>
AP-4788	GxF/0.2 µm	1000/pkg	NA	<input type="text" value="0"/>
AP-4548	GxF/0.45 µm, AutoPack tubes	25/pkg 200/cs	NA	<input type="text" value="0"/>
AP-4549	GxF/0.45 µm	50/pkg 200/cs	NA	<input type="text" value="0"/>
AP-4528	GxF/0.45 µm	1000/pkg	NA	<input type="text" value="0"/>

Contact Information

Pall Office(s)

World Headquarters
25 Harbor Park Drive
Port Washington, NY 11050
USA
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
USA
Phone: 800.932.5000
Phone: 610.431.1700
Fax: 610.436.1760
Web: <http://www.vwrsp.com/>

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