



Pall Corporation

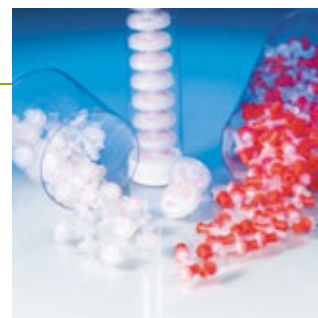
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Acrodisc® Syringe Filters with PTFE Membrane

Description

Exceptional Chemical and Temperature Compatibility

- ▶ 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.
- ▶ Ideal for filtration of gas and/or organic solvents.
- ▶ Prevents spurious peaks on chromatograms for accurate experimental results. HPLC certified for low levels of UV-absorbing extractables.
- ▶ Prevents "air bubble" lock when filling sample vials with 13 mm minispike outlet.
- ▶ 4 mm device offers the lowest sample hold-up (< 10 μ L) and is useful for samples up to 2 mL in volume.



**Registered trademark*

Application

- ▶ Ultimate in chemical compatibility for filtering harsh chemicals that destroy other membrane materials.
- ▶ The Acrodisc PSF GxF syringe filter provides two to four times the throughput of standard prefilter devices.
- ▶ Moisture barrier for venting applications.
- ▶ 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: Hydrophobic PTFE membrane on a polypropylene support
- ▶ Housing: Polypropylene
- ▶ GxF Prefilter: Borosilicate glass

Pore Size

- ▶ PTFE Membrane: 0.2 and 0.45 μ m
- ▶ GxF Prefilter: 40 - 1 μ m

Effective Filtration Area

- ▶ 4 mm: 0.2 cm²
- ▶ 13 mm: 1.0 cm²
- ▶ 25 mm PSF: 3.9 cm²

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 μ L
- ▶ 13 mm (minispikes): < 14 μ L
- ▶ 13 mm (male luer): < 30 μ L
- ▶ 25 mm PSF: < 125 μ L

Typical Liquid Flow Rate (MeOH)

- ▶ mL/min at 1.0 bar (100 kPa, 15 psi)
- ▶ 25 mm PSF, 0.2 μ m: 245
- ▶ 25 mm PSF, 0.45 μ m: 510
- ▶ 25 mm PSF, GxP/0.45 μ m: 395

Maximum Operating Temperature

- ▶ 100 °C (212 °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 100 °C (212 °F)

Sterilization of 25 mm Filters

- ▶ Provided non-sterile. If desired, autoclave at 121- 123 °C (250 - 253 °F) at 1.0 bar (100 kPa, 15 psi) for a maximum of 15 min.

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 PTFE Membrane, 25 mm				
4225	0.2 μ m	50/pkg, 200/cs	NA	<input type="text" value="0"/>
4521	0.2 μ m	1000/pkg	NA	<input type="text" value="0"/>
4518	0.45 μ m AutoPack™ tubes	25/pkg, 200/cs	NA	<input type="text" value="0"/>
4219	0.45 μ m	50/pkg, 200/cs	NA	<input type="text" value="0"/>
4501	0.45 μ m	1000/pkg	NA	<input type="text" value="0"/>
4226	1 μ m	50/pkg, 200/cs	NA	<input type="text" value="0"/>
4503	1 μ m	1000/pkg	NA	<input type="text" value="0"/>

Acrodisc Syringe Filter with PTFE Membrane, 4 mm

4472	0.45 µm	250/pkg 750/cs	NA	<input type="text" value="0"/>
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Acrodisc Syringe Filters with PTFE Membrane, 13 mm

4552	0.2 µm, minispikes outlet	100/pkg 300/cs	NA	<input type="text" value="0"/>
4553	0.45 µm, minispikes outlet	100/pkg 300/cs	NA	<input type="text" value="0"/>
4555	0.45 µm, minispikes outlet	1000/pkg	NA	<input type="text" value="0"/>

Acrodisc Syringe Filters with PTFE Membrane, 13 mm

4423	0.2 µm, male slip luer outlet	100/pkg 300/cs	NA	<input type="text" value="0"/>
4542	0.2 µm, male slip luer outlet	1000/pkg	NA	<input type="text" value="0"/>
4422	0.45 µm, male slip luer outlet	100/pkg 300/cs	NA	<input type="text" value="0"/>
4543	0.45 µm, male slip luer outlet	1000/pkg	NA	<input type="text" value="0"/>

Zymark* and SOTAX* Automation Certified Acrodisc PSF Syringe Filters With PTFE Membrane, 25 mm

AP-4520	0.2 µm, AutoPack™ tubes	25/pkg 200/cs	NA	<input type="text" value="0"/>
AP-4225	0.2 µm	50/pkg 200/cs	NA	<input type="text" value="0"/>
AP-4521	0.2 µm	1000/pkg	NA	<input type="text" value="0"/>
AP-4518	0.45 µm, AutoPack tubes	25/pkg 200/cs	NA	<input type="text" value="0"/>
AP-4219	0.45 µm	50/pkg 200/cs	NA	<input type="text" value="0"/>
AP-4501	0.45 µm	1000/pkg	NA	<input type="text" value="0"/>

Zymark and SOTAX Automation Certified Acrodisc PSF GxS Syringe Filters With PTFE Membrane, 25 mm

AP-4789	GxS/0.2 µm AutoPack tubes	25/pkg, 200/cs	NA	<input type="text" value="0"/>
AP-4790	GxS/0.2 µm	50/pkg, 200/cs	NA	<input type="text" value="0"/>
AP-4791	GxS/0.2 µm	1000/pkg	NA	<input type="text" value="0"/>
AP-4301	GxS/0.45 µm, AutoPack tubes	25/pkg 200/cs	NA	<input type="text" value="0"/>
AP-4303	GxS/0.45 µm	50/pkg 200/cs	NA	<input type="text" value="0"/>
AP-4302	GxS/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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