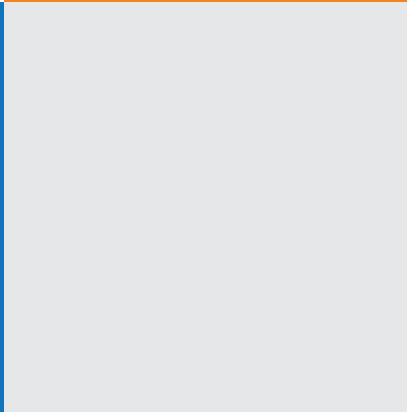
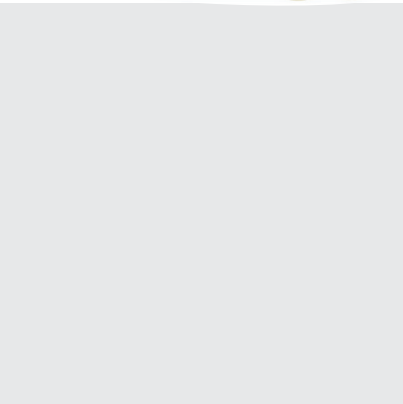


HOT PRODUCTS CATALOG

VIALS, CAPS AND SYRINGE FILTERS



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ALWSCI[®]

AUTOSAMPLER VIALS & CLOSURES

Short Neck ND9

- Wide opening 9-425 vials can be used on all common autosamplers, perfectly compatible with Agilent, Thermo Scientific, Waters, Varian, etc.
- Vials with integrated micro-insert are available in clear and amber glass.
- Wide opening 12x32mm, 2ml Polypropylene vials have chemically resistance, which are used for atomic absorption, water and protein analysis, capillary electrophoresis, ion chromatography applications etc.
- PTFE/silicone slit shape choices are Single, Y-shape, Cross available.
- The polymer spring acts as a shock absorber that protects against breakage if the needle bottoms out.
- Vials and closures are available for packing into a kit to reduce the risk of contamination of vials in laboratories.
- A variety of septa colors and pre-assembled closures are available to offer as request.



Ref.No.	C0000006	C0000008	C0000010	C0000011
Description	2mL Clear Glass 12x32mm Flat Base 9-425 Screw Thread Vial.	2mL Clear Glass 12x32mm Flat Base 9-425 Screw Thread Vial with Label.	2mL Amber Glass 12x32mm Flat Base 9-425 Screw Thread Vial.	2mL Amber Glass 12x32mm Flat Base 9-425 Screw Thread Vial with Label.
100pcs/pk				



Ref.No.	C0000084	C0000127
Description	0.3mL 9-425 PP Screw Thread Micro-Vial Transparent. 12x32mm.	2mL 9-425 12x32mm Clear Screw Thread Vial Bottom with Integrated 0.2mL Glass Micro-insert.
100pcs/pk		

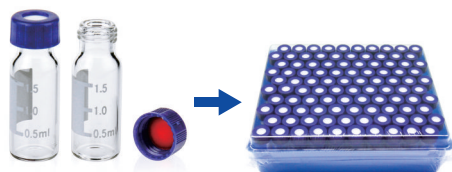


> ND9 Closures



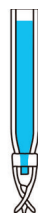
Ref.No.	C0000143	C0000148
Description	Blue 9-425 Open Top Ribbed Screw Cap with 9mm Red PTFE/White Silicone Septa 1mm Thick.	Blue 9-425 Open Top Ribbed Screw Cap with 9mm Red PTFE/White Silicone Septa 1mm Thick Pre-slit.
	100pcs/pk	

> UltraVial - 2mL Vials & Closures



Ref.No.	C0001170	C0001021
Description	2mL Clear Glass 12x32mm Flat Base 9-425 Screw Thread Vial with Label. Blue 9-425 Open Top Ribbed Screw Cap with 9mm Red PTFE/White Silicone Septa 1mm Thick (UltraClean).	Red 9-425 Open Top Smooth Screw Cap with 9mm Red PTFE/White Silicone 1mm Thick (UltraClean).
	Vial Cap Septa are pre-assembled together. Blue Kit Packing. 100sets/pk	100pcs/pk

> 6mm Micro Insert



Ref.No.	C0000070	C0000073
Description	6x29mm Insert Clear Glass Conical Base with Polyspring.	6x31mm Insert Clear Glass Flat Base.
	100pcs/pk	

Crimp Neck ND11

- The Crimp Vials are used on instruments of Agilent, PerkinElmer, Varian, etc.
- The wide opening crimp cap provides a larger target area for improved autosampler needle accuracy.
- Vials with intergrated Micro-insert are also available in clear and amber glass.
- PTFE/silicone, Natural Rubber/TEF septa, single slit septa to choose.
- The 3-layer septa of Natural Rubber/Red Butyl/TEF combines the good physical properties of Nat. Rubber (Resealability) with good chemical properties of butyl. (See Customized service page)



Ref.No.	C0000014	C0000015	C0000016	C0000018
Description	2mL Clear Glass Flat Base 11mm Crimp Vial Wide Opening.	2mL Clear Glass Flat Base 11mm Crimp Vial Wide Opening with Label.	2mL Amber Glass Flat Base 11mm Crimp Vial Wide Opening.	2mL Amber Glass Flat Base 11mm Crimp Vial Wide Opening with Label.
100pcs/pk				

>ND 11 Closures



Ref.No.	C0000165
Description	SILVER 11mm Open Top Crimp Cap with Red PTFE/ White Silicone Septa 1mm Thick.
100pcs/pk	



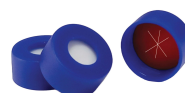
Snap Neck ND11

- The vials are used on instruments of Agilent, CTC, Thermo Scientific, Waters, etc.
- Snap Ring finish eliminates the need for crimping or decapping.
- The integrated Micro-insert are available for in clear and amber glass, micro-inserts can be delivered pre-assembled in vials.
- Snap ring caps are also available in a soft quality with transparent or blue caps, soft caps are more convenient in handling (pushing on/removal).
- The septa shapes have Single and Snow type to choose.



Ref.No.	C0000020	C0000021	C0000022	C0000023
Description	2mL Clear Glass Flat Base 11mm Snap Vial Wide Opening.	2mL Clear Glass Flat Base 11mm Snap Vial Wide Opening with Label.	2mL Amber Glass Flat Base 11mm Snap Vial Wide Opening.	2mL Amber Glass Flat Base 11mm Snap Vial Wide Opening with Label.
100pcs/pk				

>ND 11 Closures



Ref.No.	C0000175	C0000985
Description	CLEAR 11mm Open Top Snap Cap with Red PTFE/White Silicone Septa 1mm Thick Pre-slit (snow shape).	BLUE 11mm Open Top Snap Cap with Red PTFE/White Silicon Septa 1mm Pre-slit (snow shape).
100pcs/pk		

Short Thread ND13

- The vials are used on instruments of Dionex, Shimadzu, VWR, Waters etc.
- 4mL vials are widely used in compound storage as well as for Chromatography vials, available as closed or open top screw seals with 13-425 thread.



Ref.No.	C0000024	C0000026
Description	4mL Clear Glass 15x45mm Flat Base 13-425 Screw Thread Vial.	4mL Amber Glass 15x45mm Flat Base 13-425 Screw Thread Vial.
100pcs/pk		

>ND 13 Closures



Ref.No.	C0000179
Description	Black PP 13-425 Open Top Screw Cap with Red PTFE/White Silicone Septa 1mm Thick.
100pcs/pk	



ALWSCI[®] HEADSPACE VIALS & CLOSURES

Screw Headspace ND18

- ♦ Pre-assembling vial+closure service is available upon request.
- ♦ The magnetic screw caps can be used for headspace as well as for SPME.
- ♦ Type of Cap: Magnetic Precision screw cap, Closed Precision screw cap.

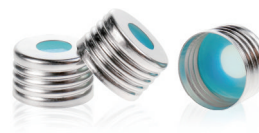


Ref.No.	C0000028	C0000029	C0000030
Description	10mL Clear Glass Screw Headspace Vial 22.5x46mm.	10mL Amber Glass Screw Headspace Vial 22.5x46mm.	20mL Clear Glass Screw Headspace Vial 22.5x75mm.
		100pcs/pk	



Ref.No.	C0000208
Description	18mm Silver Color Open Top Metal Cap (8mm hole) with 17.5mm Blue PTFE/White Silicone Septa 1.5mm Thick.
	100pcs/pk

> UltraVial - ND18



Ref.No.	C0000974	C0000975
	18mm Silver Color Open Top Metal Cap (8mm hole) with 17.5mm White PTFE/Blue Transparent Silicone Septa 1.5mm Thick (UltraClean).	18mm Silver Color Open Top Metal Cap (8mm hole) with 17.5mm Natural PTFE/Blue Transparent Silicone Septa 1.5mm Thick (UltraClean).
	100pcs/pk.	



Crimp Headspace ND20

- ♦ GC Headspace technology for the analysis of volatile organic solids and liquid samples after gasification
- ♦ The headspace volume have 6ml, 10ml, 20ml clear/amber to choose, the bottom have flat, rounded and rounded-flat.
- ♦ **Type of Cap:**
- ♦ Aluminum Cap, Bimetal cap, Magnetic crimp cap.
- ♦ **Type of Liner:**
- ♦ Butyl, Butyl/PTFE, Pharma-fix liner, PTFE/silicone, Butyl stopper.



Ref.No.	C0000034	C0000036	C0000038
Description	10mL Clear Glass 22.5x46mm. 20mm Beveled Edge. Rounded-flat Bottom. Crimp Headspace Vial.	20mL Clear Glass 22.5x75mm. 20mm Beveled Edge. Flat Bottom. Crimp Headspace Vial.	20mL Clear Glass 22.5x75mm. 20mm Beveled Edge. Rounded-Flat Bottom. Crimp Headspace Vial.
100pcs/pk			



Ref.No.	C0000200	C0000972
Description	20mm Open Top Aluminum Crimp Cap (10mm hole) with 20mm Red PTFE/White Silicone Septa 3mm Thick.	20mm Open Top Aluminum Crimp Cap (10mm hole) with 20mm White PTFE/Blue Transparent Silicone Septa 3mm Thick (UltraClean).
100pcs/pk		



ALWSCI[®] TOOLS



Crimper & Decrimper



Ref.No.	C0000265	C0000264
Description	Crimper for 11mm Aluminum Crimp Cap Stainless Steel.	Crimper for 20mm Aluminum Crimp Cap Stainless Steel.
1pc/pk		



Ref.No.	C0000268	C0000269
Description	Decrimper for 11mm Aluminum Crimp Cap Stainless Steel.	Decrimper for 20mm Aluminum Crimp Cap Stainless Steel.
1pc/pk		

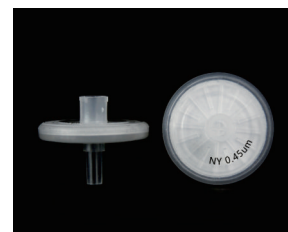


Labfil[®]

WELDED SYRINGE FILTER

Nylon

- High mechanical and tensile strength.
- Used for most organic solvents and mid-polar liquids.
- Two types in pore size: 0.22µm and 0.45µm.
- Three types in filter size: 13mm, 25mm and 30mm.



Ref.No.	C0000277	C0000278	C0000279	C0000280
Description	13mm Nylon Welded Syringe Filter 0.22µm with Printing.	13mm Nylon Welded Syringe Filter 0.45µm with Printing.	25mm Nylon Welded Syringe Filter 0.22µm with Printing.	25mm Nylon Welded Syringe Filter 0.45µm with Printing.
100pcs/pk				

Features

- This Nylon+PP pre-filter provides two times greater throughput than standard filter without pre-filtration.
- One of the most commonly used membranes; broad compatibility with aqueous and organic solvents, with stable hydrophilicity, not suitable for highly acidic samples.

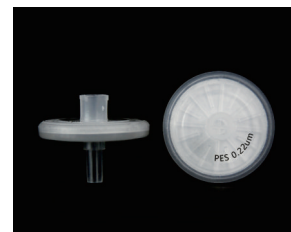
Applications

- Used for most organic solvents mixtures and mid-polar liquids.
- Chemical filtration and Beverage filtration.
- Note: Nylon binds protein, do not use when high protein recovery is desired.



PES

- ♦ High flow rates(liquids), low protein binding, low concentrations of extractable substances.
- ♦ Low-affinity for proteins and extractable with substantially faster flow rates than PVDF; suitable for pre-filtration and filtration of buffers and culture media.
- ♦ Two types in pore size:0.22μm and 0.45μm.
- ♦ Three types in filter size:13mm, 25mm and 30mm.



Ref.No.	C0000293	C0000294	C0000295	C0000296
Description	13mm PES Welded Syringe Filter 0.22um with Printing.	13mm PES Welded Syringe Filter 0.45um with Printing.	25mm PES Welded Syringe Filter 0.22um with Printing.	25mm PES Welded Syringe Filter 0.45um with Printing.
100pcs/pk				

Features

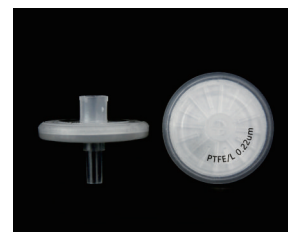
- ♦ This PES+PP pre-filter provides two times greater throughput than standard filter without pre-filtration.
- ♦ Faster flow rate than PVDF.
- ♦ Excellent thermal resistance and chemical resistance.

Applications

- ♦ PES is certified for ion chromatography; tissue culture media; filtration of proteins and nucleic acids.
- ♦ Suitable for filtration of aqueous solution with high throughput.

PTFE Hydrophilic

- ♦ For removing particulates, reducing signal-to-noise ratios and maintaining flat baselines.
- ♦ Filtering aqueous and organic solutions.
- ♦ Two types in pore size: 0.22µm and 0.45µm.
- ♦ Three types in filter size: 13mm, 25mm and 30mm.



Ref.No.	C0000281	C0000282	C0000283	C0000284
Description	13mm PTFE Hydrophilic Welded Syringe Filter 0.22µm with Printing.	13mm PTFE Hydrophilic Welded Syringe Filter 0.45µm with Printing.	25mm PTFE Hydrophilic Welded Syringe Filter 0.22µm with Printing.	25mm PTFE Hydrophilic Welded Syringe Filter 0.45µm with Printing.
100pcs/pk				

Features

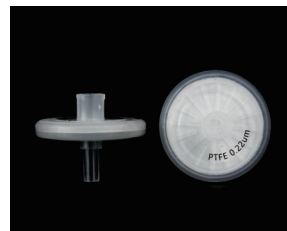
- ♦ This PTFE+PP pre-filter provides two times greater throughput than standard filter without pre-filtration.
- ♦ Broad chemical compatibility choose for filtering aqueous and organic solutions low protein binding.

Applications

- ♦ Industrial Chromatography.
- ♦ Filtration of aqueous solutions as well as organic solvents and chemicals.

PTFE Hydrophobic

- ♦ High mechanical and tensile strength.
- ♦ Used for most organic solvents and mid-polar liquids.
- ♦ Two types in pore size: 0.22µm and 0.45µm.
- ♦ Three types in filter size: 13mm, 25mm and 30mm.



Ref.No.	C0000297	C0000298	C0000299	C0000300
Description	13mm PTFE Hydrophobic Welded Syringe Filter 0.22µm with Printing.	13mm PTFE Hydrophobic Welded Syringe Filter 0.45µm with Printing.	25mm PTFE Hydrophobic Welded Syringe Filter 0.22µm with Printing.	25mm PTFE Hydrophobic Welded Syringe Filter 0.45µm with Printing.
100pcs/pk				

Features

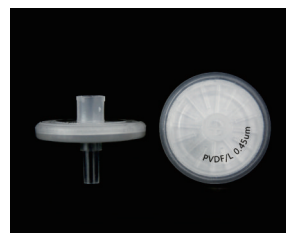
- ♦ This PTFE+PP pre-filter provides two times greater throughput than standard filter without pre-filtration.
- ♦ Hydrophobic PTFE membrane has great temperature resistance.
- ♦ Suitable for Solvents/Gases/Acids/Bases.

Applications

- ♦ Degassing/Clarifying aqueous samples.
- ♦ Removal of protein precipitates.
- ♦ Strong acid solvent filtration and Alkali solvent filtration.
- ♦ Biofuel analysis.

PVDF Hydrophilic

- Low protein-binding for filtration of non-aggressive aqueous and mild organic solutions.
- Low UV absorbing extractables and low nonspecific protein binding.
- Two types in pore size: 0.22µm and 0.45µm.
- Three types in filter size: 13mm, 25mm and 30mm.



Ref.No.	C0000289	C0000290	C0000291	C0000292
Description	13mm PVDF Hydrophilic Welded Syringe Filter 0.22µm with Printing.	13mm PVDF Hydrophilic Welded Syringe Filter 0.45µm with Printing.	25mm PVDF Hydrophilic Welded Syringe Filter 0.22µm with Printing.	25mm PVDF Hydrophilic Welded Syringe Filter 0.45µm with Printing.
100pcs/pk				

Features

- This PVDF +PP pre-filter provides two times greater throughput than standard filter without pre-filtration.
- Hydrophilic membrane with good solvent resistance.

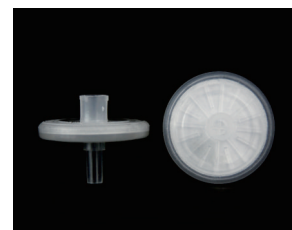
Applications

- Sterilizing/Clarifying filtration of biological solutions.
- Excellent chemical compatibility, even with aggressive acids and alcohols.
- Filtration of samples where high protein recovery is desired.



RC

- The best option for reliable and leachable free sterilisation of liquids.
- The very low non-specific binding characteristics of this membrane makes it a perfect choice for biomolecule solutions and other dissolved substances.
- Two types in pore size: 0.22µm and 0.45µm.
- Three types in filter size: 13mm, 25mm and 30mm.



Ref.No.	C0001179	C0001180	C0001181	C0001182
Description	13mm RC Welded Syringe Filter 0.22µm.	13mm RC Welded Syringe Filter 0.45µm.	25mm RC Welded Syringe Filter 0.22µm.	25mm RC Welded Syringe Filter 0.45µm.
100pcs/pk				

Features

- This RC+PP pre-filter provides two times greater throughput than standard filter without pre-filtration.
- Outperforming chemical compatibility choose for biomolecule solutions and other dissolved substances.

Applications

- Industrial Chromatography
- Filtration of aqueous solutions as well as organic solvents and chemicals.



Labfil[®] MEMBRANE FILTER

Membrane Filter

- Membrane filters or "membranes" are polymer films with specific pore ratings.
- Membranes retain particles and microorganisms that exceed their pore ratings by acting as a physical barrier and capturing such particles on the surface of the membrane.
- Labfil membranes are available in a variety of polymers, pore sizes, diameters, and surface types.

Type	Dimension(mm)	Pore Size	Item No.	Packing
MCE	47mm	0.22µm	C0000311	100pcs/pk
		0.45µm	C0000313	
Nylon	47mm	0.22µm	C0000303	100pcs/pk
		0.45µm	C0000305	
PVDF(Hydrophilic)	47mm	0.22µm	C0000909	100pcs/pk
		0.45µm	C0000563	
PTFE(Hydrophobic)	47mm	0.22µm	C0000307	100pcs/pk
		0.45µm	C0000309	
GF	47mm	0.70µm	C0001286	100pcs/pk
		1.00µm	C0001287	
GF	47mm	1.20µm	C0001288	100pcs/pk
		1.60µm	C0001289	
MCE grid (Sterile)	47mm	0.45µm	C0001243	100pcs/pk



SHIM-POL A. M. Borzymowski
E. Borzymowska-Reszka, A. Reszka Sp. J.
ul. Lubomirskiego 5, 05-080 Izabelin
tel. 22 722 70 48 do 50
fax: 22 722 70 51
biuro@shim-pol.pl

Katalog nie stanowi pełnej oferty.

Zapraszamy do kontaktu:

biuro@shim-pol.pl

www.shim-pol.pl
