

Analytical Sample Preparation & Mobile Phase Filtration



mdi
Membrane Technologies

Disposable Membrane Syringe Filters

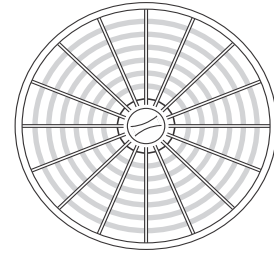
for Sample Filtration



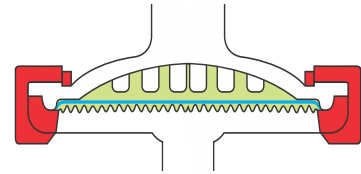
Applications

- >> HPLC
- >> UPLC
- >> FPLC
- >> LCMS
- >> UV Analysis

16 Channels for Maximum Flow Rate



Designed for Maximum Throughput



Unique Performance Advantage

- Very low extractables : No spurious peaks
- Minimal adsorption: Low variation in area under the peak
- Very low hand pressure, Maximum throughput
- Wide range for all types of samples
- Color coded for easy identification



For Highly Turbid Samples

Specially designed membrane syringe filters with multi layered pre-filtration for graded retention of colloidal particles associated with highly turbid solutions



- >> Very high retention efficiency for colloidal fines
- >> Minimal hand pressure
- >> High throughput even with highly turbid, difficult to filter solutions

For Automated Sample Preparation

Specially designed for use in workstations for automated sample preparation and are available with different membranes in different pore sizes.



- >> Easy Filter-to-Filter Release
- >> Consistently Smooth Movement
- >> High Strength Design
- >> Tight Dimensional Tolerances

Type Availables

- >> SZ25** for Zymark workstations
- >> ST25** for Sotax workstations

Zymark and Sotax are registered trade marks of Sotax AG, Switzerland

Color Coding

For easy identification **mdj** Syringe filters are available in different colors depending on the type of filter media and pore size. The pictures below show the color coding for different type of filters.

	0.45µm SYNN Nylon-66 membrane syringe filter Available in 4mm, 13mm, 25mm
	0.45µm SYGN Nylon-66 membrane syringe filter with pre-filter Available in 13mm, 25mm
	0.45µm SYVF PVDF membrane syringe filter Available in 4mm, 13mm, 25mm
	0.45µm SYVG PVDF membrane syringe filter with pre-filter Available in 13mm, 25mm
	0.45µm SYTF PTFE membrane syringe filter Available in 4mm, 13mm, 25mm
	0.45µm SYTG PTFE membrane syringe filter with pre-filter Available in 13mm, 25mm
	0.45µm SYPP Hydrophilic Polypropylene membrane syringe filter Available in 4mm, 13mm, 25mm
	0.45µm SYGP Hydrophilic Polypropylene membrane syringe filter with pre-filter Available in 13mm, 25mm
	0.45µm SYTH Hydrophilic PTFE membrane syringe filter Available in 4mm, 13mm, 25mm
	0.45µm SYRC Regenerated Cellulose syringe filter Available in 4mm, 13mm, 25mm
	0.45µm SYGF Microglassfiber syringe filter Available in 13mm, 25mm

	0.2µm SYNN Nylon-66 membrane syringe filter Available in 4mm, 13mm, 25mm
	0.2µm SYGN Nylon-66 membrane syringe filter with pre-filter Available in 13mm, 25mm
	0.2µm SYVF PVDF membrane syringe filter Available in 4mm, 13mm, 25mm
	0.2µm SYVG PVDF membrane syringe filter with pre-filter Available in 13mm, 25mm
	0.2µm SYTF PTFE membrane syringe filter Available in 4mm, 13mm, 25mm
	0.2µm SYTG PTFE membrane syringe filter with pre-filter Available in 13mm, 25mm
	0.2µm SYPP Hydrophilic Polypropylene membrane syringe filter Available in 4mm, 13mm, 25mm
	0.2µm SYGP Hydrophilic Polypropylene membrane syringe filter with pre-filter Available in 13mm, 25mm
	0.2µm SYTH Hydrophilic PTFE membrane syringe filter Available in 4mm, 13mm, 25mm
	0.2µm SYRC Regenerated Cellulose syringe filter Available in 4mm, 13mm, 25mm
	1µm SYGF Microglassfiber syringe filter Available in 13mm, 25mm

Ordering Information

Type		Size		Pore Size		Inlet/Outlet		XX	Sterility		Pack Size	
Type	Code	Dia	Code	Pore Size	Code		Code		Code	Pack Size	Code	
SYNN	SYNN	4mm	01	0.2µm	01	Female Luer Lock	M		Non Sterile	1	100	04
SYGN	SYGN	13mm	03	0.45µm	02	Male Luer Lock	N					
SYTF	SYTF	25mm	06	1 µm	05							
SYTG	SYTG											
SYVF	SYVF											
SYVG	SYVG											
SYPP	SYPP											
SYGP	SYGP											
SYTH	SYTH											
SYRC	SYRC											
SYGF	SYGF											

Example: SYNN 06 01 MN XX 1 04

SZ25 and ST25** syringe filters with the desired membrane type can be ordered by replacing ** with the membrane code. These are not available with pre-filters.**

Example: For Nylon Membrane Syringe Filters for Zymark Workstations.

SZNN	06	01	MN	XX	1	04
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AseptiVac® NS: Vacuum Filter Unit for Glass Bottles for Mobile Phase Filtration

AseptiVac® NS are ready to use disposable vacuum filtration devices with a unique pleated cartridge filter built into a cap which fits into the neck of the receiver glass bottles with 45mm neck diameter.

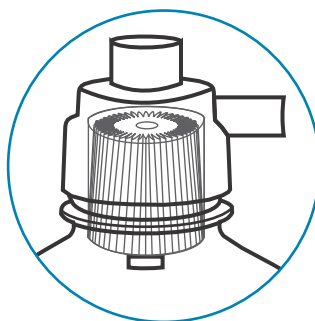
The large area filter device with Nylon 66 membrane, allows high speed filtration and enhanced throughput with organic solvents and chemicals.

The conical shaped filter cartridge allows air bubbles to move away from the membrane, avoiding problems of membrane blockage.



Key Features

- Saves time with high speed filtration: >1000 ml/min @500 mm Hg Vacuum
- Unique built in large area pleated Nylon cartridge filter



Specifications

Filtration Area	100 cm ²
Funnel Capacity	1 Litre
Hold up Volume	< 5 mL
Screw Cap Neck	45 mm
Max. Operating Temp.	45 °C

Materials of Construction

Filter Membrane	Nylon 66
Filter Housing	Polypropylene
Funnel	Polypropylene

Ordering Information

Type		EFA		Pore Size		Variant		XX	G	Sterility		Pack Size		
	Code		Code		Code		Code				Code		Code	
AseptiVac® NS (0.45µm upstream)*	ANSX	100 cm ²	31	0.2 µm	01	With Polypropylene Funnel	P			Non Sterile	1	12	08	
				0.45 µm	02					EO Sterile	2			
AseptiVac® NS (0.8µm upstream)**	ANS5													

Example

ANSX	31	01	P	XX	G	1	08
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*0.45µm upstream layer is available with 0.2µm pore size only

**0.8µm upstream layer is available with 0.45µm pore size only

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