

cobetter[®]
— L a b —

ENFISO
ENGINEERED FILTRATION SOLUTIONS

Syringe Filters

Outstanding Performance
Makes Brilliant



General Filtration



Sample Preparation



Sterile Filtration



High particulate Filtration



Gas venting

Filter Portfolio



General Filtration

COSMO® SYRINGE FILTERS

Non-sterile syringe filters with a variety of membranes for prefiltration, clarification, or fine particulate removal.

Select the best membranes

- Hydrophilic PVDF - Aqueous and mild organic solutions; ultra-low protein binding
- PES - High asymmetric PES membrane, high flow rate, low extractable
- Nylon - Filtration of aqueous biological solutions, alcoholic solutions and non-aqueous HPLC/GC solvents
- Glass Fiber - Prefiltration
- Polypropylene - Prefiltration



Housing

PP

Connection

Female Luer-Lok inlet / Male Luer slip outlet

Ordering Information

	Pore Size(μm)	Hold -up Volume	Qty/pk	Catalogue No.
13mm Cosmo® for 1-10mL volume				
Hydrophilic PVDF	0.22	< 25μL	100	SFU13PVH0022
	0.45	< 25μL	100	SFU13PVH0045
PES	0.22	< 25μL	100	SFU13PE0022
	0.45	< 25μL	100	SFU13PE0045
Nylon	0.22	< 25μL	100	SFU13NY0022
	0.45	< 25μL	100	SFU13NY0045
GF	0.22	< 25μL	100	SFU13GF0022
	0.45	< 25μL	100	SFU13GF0045
PP	0.22	< 25μL	100	SFU13PP0022
	0.45	< 25μL	100	SFU13PP0045
25mm Cosmo® for 10-100mL volume				
Hydrophilic PVDF	0.22	< 100μL	100	SFU25PVH0022
	0.45	< 100μL	100	SFU25PVH0045
PES	0.22	< 100μL	100	SFU25PE0022
	0.45	< 100μL	100	SFU25PE0045
Nylon	0.22	< 100μL	100	SFU25NY0022
	0.45	< 100μL	100	SFU25NY0045
GF	0.22	< 100μL	100	SFU25GF0022
	0.45	< 100μL	100	SFU25GF0045
PP	0.22	< 100μL	100	SFU25PP0022
	0.45	< 100μL	100	SFU25PP0045

Sterile Filtration

Cobetterlab sterilized, individually blister packaged syringe Filters for sterilizing and clarifying biological solutions.



Select the best membranes

- Hydrophilic PVDF - Ultra-low protein binding
- PES - High flow rate, low protein binding
- CA - Low protein binding and extractables

Housing

PP

Connection

Female Luer-Lok inlet / Male Luer slip outlet

Sterilization Method

Gamma Radiation, individually packaged

Ordering Information

	Pore Size(μm)	Hold -up Volume	Qty/pk	Catalogue No.
13mm for 1-10mL volume				
Hydrophilic PVDF	0.22	< 25μL	100	SFM13PVH0022S
	0.45	< 25μL	100	SFM13PVH0045S
PES	0.22	< 25μL	100	SFM13PE0022S
	0.45	< 25μL	100	SFM13PE0045S
CA	0.22	< 25μL	100	SFM13CA0022S
	0.45	< 25μL	100	SFM13CA0045S
25mm for 10-100mL volume				
Hydrophilic PVDF	0.22	< 100μL	100	SFM25PVH0022S
	0.45	< 100μL	100	SFM25PVH0045S
PES	0.22	< 100μL	100	SFM25PE0022S
	0.45	< 100μL	100	SFM25PE0045S
CA	0.22	< 100μL	100	SFM25CA0022S
	0.45	< 100μL	100	SFM25CA0045S
33mm for 100-200mL volume				
Hydrophilic PVDF	0.22	< 100μL	100	SFM33PVH0022S
	0.45	< 100μL	100	SFM33PVH0045S
PES	0.22	< 100μL	100	SFM33PE0022S
	0.45	< 100μL	100	SFM33PE0045S
CA	0.22	< 100μL	100	SFM33CA0022S
	0.45	< 100μL	100	SFM33CA0045S

Sample Preparation for Chromatography

UNICHRO® SYRINGE FILTERS

Cobetter syringe filters are designed for particle removal and clarification from samples before instruments analysis including HPLC and IC.

Select the best membranes

- Nylon - Aqueous and organic solutions
- Hydrophilic PVDF - Fast flow and low protein binding
- Hydrophilic PTFE - Aqueous and mild organic solutions
- Hydrophobic PTFE - Organic solvents
- PES - High flow rate, low extractable
- MCE - Biologically inert, widely used membranes in analytical and research applications

Housing

- PP

Connection

- Female Luer-Lok inlet / Male Luer slip outlet

Ordering Information

	Pore Size(μm)	Hold -up Volume	Qty/pk	Catalogue No.
13mm Unichro® for 1-10mL volume				
Nylon	0.22	< 25μL	100	SFM13NY0022
	0.45	< 25μL	100	SFM13NY0045
Hydrophilic PVDF	0.22	< 25μL	100	SFM13PVH0022
	0.45	< 25μL	100	SFM13PVH0045
Hydrophilic PTFE	0.22	< 25μL	100	SFM13PTH0022
	0.45	< 25μL	100	SFM13PTH0045
Hydrophobic PTFE	0.22	< 25μL	100	SFM13PT0022
	0.45	< 25μL	100	SFM13PT0045
PES	0.22	< 25μL	100	SFM13PE0022
	0.45	< 25μL	100	SFM13PE0045
MCE	0.22	< 25μL	100	SFM13MC0022
	0.45	< 25μL	100	SFM13MC0045
25mm Unichro® for 10-100mL volume				
Nylon	0.22	< 100μL	100	SFM25NY0022
	0.45	< 100μL	100	SFM25NY0045
Hydrophilic PVDF	0.22	< 100μL	100	SFM25PVH0022
	0.45	< 100μL	100	SFM25PVH0045
Hydrophilic PTFE	0.22	< 100μL	100	SFM25PTH0022
	0.45	< 100μL	100	SFM25PTH0045
Hydrophobic PTFE	0.22	< 100μL	100	SFM25PT0022
	0.45	< 100μL	100	SFM25PT0045
PES	0.22	< 100μL	100	SFM25PE0022
	0.45	< 100μL	100	SFM25PE0045
MCE	0.22	< 100μL	100	SFM25MC0022
	0.45	< 100μL	100	SFM25MC0045



	Pore Size(μm)	Hold -up Volume	Qty/pk	Catalogue No.
33mm Unichro[®] for 100-200mL volume				
Nylon	0.22	< 100 μL	100	SFM33NY0022
	0.45	< 100 μL	100	SFM33NY0045
Hydrophilic PVDF	0.22	< 100 μL	100	SFM33PVH0022
	0.45	< 100 μL	100	SFM33PVH0045
Hydrophilic PTFE	0.22	< 100 μL	100	SFM33PTH0022
	0.45	< 100 μL	100	SFM33PTH0045
Hydrophobic PTFE	0.22	< 100 μL	100	SFM33PT0022
	0.45	< 100 μL	100	SFM33PT0045
PES	0.22	< 100 μL	100	SFM33PE0022
	0.45	< 100 μL	100	SFM33PE0045
MCE	0.22	< 100 μL	100	SFM33MC0022
	0.45	< 100 μL	100	SFM33MC0045

IC Application

Ordering Information

	Pore Size(μm)	Housing	Hold -up Volume	Qty/pk	Catalogue No.
13mm for 1-10mL volume					
IC-Hydrophilic PTFE	0.22	HDPE	< 25 μL	100	SFM13PTH0022IC
	0.45		< 25 μL	100	SFM13PTH0045IC
25mm for 1-10mL volume					
IC-Hydrophilic PTFE	0.22	HDPE	< 100 μL	100	SFM25PTH0022IC
	0.45		< 100 μL	100	SFM25PTH0045IC

High Particulate Filtration

HP Syringe Filters combine extraordinary quality and economy. Glass fiber as prefilter and a membrane filter for high throughput filtration of viscous and particle-laden solutions.

Select the best membranes

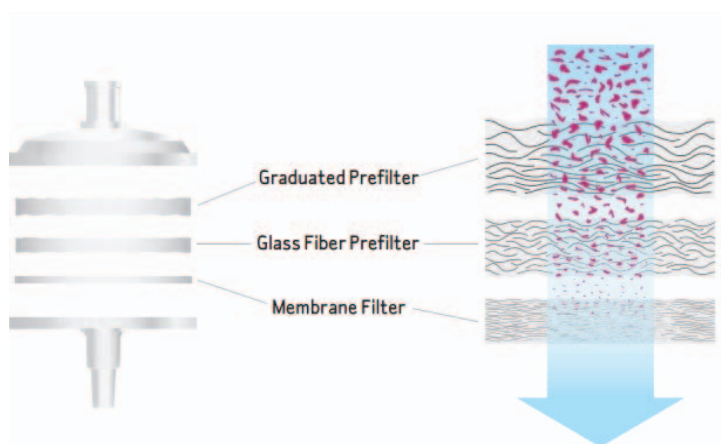
- Graduated glass fiber prefilter and Hydrophilic PVDF final filter - lowest protein binding
- Graduated glass fiber prefilter and Nylon - broad chemical compatibility

Housing

PP

Connection

Female Luer-Lok inlet / Male Luer slip outlet



Ordering Information

	Pore Size(μm)	Hold -up Volume	Qty/pk	Catalogue No.
25mm Cosmo[®] for 10-100mL volume				
GF prefilter, Hydrophilic PVDF	0.22	< 100 μL	100	SFU25PVH0022HP
	0.45	< 100 μL	100	SFU25PVH0045HP
GF prefilter, PES	0.22	< 100 μL	100	SFU25PE0022HP
	0.45	< 100 μL	100	SFU25PE0045HP

Gas / Air Venting

Cobetter Gas venting filters are perfect for sterilizing gases or organic fluids. It is a barrier for sterile venting applications, such as in-line gas filter or sterile venting of small containers.

Membranes

- Hydrophobic PTFE
- Hydrophobic PVDF

Housing

PP

Connection

Female Luer-Lok inlet / Male Luer slip outlet



Ordering Information

	Pore Size(μm)	Inlet type	Outlet type	Sterilization Method	Qty/pk	Catalogue No.
25 mm						
Hydrophobic PTFE	0.22	Female Luer-lok	Male Luer slip	Gama	100	SFU25PT0022S
	0.45	Female Luer-lok	Male Luer slip	Gama	100	SFU25PT0045S
Hydrophobic PVDF	0.22	Female Luer-lok	Male Luer slip	Gama	100	SFU25PV0022S
	0.45	Female Luer-lok	Male Luer slip	Gama	100	SFU25PV0045S
50 mm						
Hydrophobic PTFE	0.22	Stepped hose barb 1/8" NPT	Stepped hose barb	Gama	100	SFU50PT0022S
			Stepped hose barb	Gama	100	SFU50PT0022TS
	0.45	Stepped hose barb 1/8" NPT	Stepped hose barb	Gama	100	SFU50PT0045S
			Stepped hose barb	Gama	100	SFU50PV0045TS
	1.0	Stepped hose barb 1/8" NPT	Stepped hose barb	Gama	100	SFU50PT0100S
			Stepped hose barb	Gama	100	SFU50PT0100TS

Distributed by



ENFISO GmbH | Weinbergstrasse 4 | 8447 Dachsen | +41 76 405 50 82 | info@enfiso.ch | www.enfiso.ch