

# Membrane Solutions LLC

## Superpure™

### 5 Improvements, SAME LOW PRICE

#### New range of HPLC 17mm, 30mm Syringe Filters

MS® Superpure™ 17 mm, 30 mm color-coded syringe filters are designed to speed up and increase sample volume throughput while reducing thumb pressure. All with **HPLC certification**.

They will be available with the following membranes in 0.22µm or 0.45µm pore size: Nylon66, PES, PTFE, MCE and PVDF.



#### Improved Performance Benefits:

Feature	Benefit
Color coding	Easier to tell the filter membrane
Larger filtration areas ( bigger than 33mm)	Increased sample throughput
Added sample distribution ringd	Improved membrane flows
High resolutions print	Easier to tell the pore size of filter
Better membrane media	Improved membrane flow rates

#### Filtration Medium Property Comparison

Filtration Medium	Sample Application	
<b>Nylon</b>	For general sample and solvent filtration. Inherent hydrophilic characteristics and works well with all aqueous as well as most solvent- based samples. Excellent for most HPLC and GC sample and solvent preparations.	Hydrophilic
<b>PTFE</b>	Filtration of organic-based, highly acidic or basic samples and solvents. Widely used for chromatography, and for clarification of non-aqueous samples pre-wetting with alcohol when filtrate a aqueous samples then flushing with deionized water. Available with hydrophilic.	Hydrophobic
<b>MCE</b>	Ideal for aqueous-based samples, effectively binds trace proteins, high protein recovery from filtrate, higher tensile strength and more smooth surface compared to CA.	Hydrophilic
<b>PES</b>	Hydrophilic membrane with fast flow, high-throughput characteristics, with ultra-low protein binding. It is ideally suited for use in life sciences applications. Offers better chemical resistance than cellulose acetate. Recommended for filtering critical biological sampling, tissue culture media, additives, serum and buffers.	Hydrophilic
<b>PVDF</b>	Extremely low protein-binding; for filtration of non-aggressive aqueous and mild organic solutions, or when maximizing protein recovery is important.	Hydrophobic

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## Ordering Information

Order No.	Pore Size(µm)	Membrane	Diameter	Package
SFNY017022N	0.22	Nylon66	17mm,	100/pk
SFNY017045N	0.45	Nylon66	17mm,	100/pk
SFNY030022N	0.22	Nylon66	30mm,	100/pk
SFNY030045N	0.45	Nylon66	30mm,	100/pk
SFPES017022N	0.22	PES	17mm,	100/pk
SF PES 017045N	0.45	PES	17mm,	100/pk
SF PES 030022N	0.22	PES	30mm,	100/pk
SF PES 030045N	0.45	PES	30mm,	100/pk
SF PTFE 017022NB	0.22	PTFE	17mm,	100/pk
SF PTFE 017045NB	0.45	PTFE	17mm,	100/pk
SF PTFE 030022NB	0.22	PTFE	30mm,	100/pk
SF PTFE 030045NB	0.45	PTFE	30mm,	100/pk
SFMCE017022N	0.22	MCE	17mm,	100/pk
SFMCE 017045N	0.45	MCE	17mm,	100/pk
SFMCE 030022N	0.22	MCE	30mm,	100/pk
SFMCE 030045N	0.45	MCE	30mm,	100/pk
SFPVDF017022N	0.22	PVDF	17mm,	100/pk
SF PVDF 017045N	0.45	PVDF	17mm,	100/pk
SF PVDF 030022N	0.22	PVDF	30mm,	100/pk
SF PVDF 030045N	0.45	PVDF	30mm,	100/pk

## Membrane Solutions

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