

## MS® Hydrophilic PTFE Syringe Filters



### Introduction

**MS® Hydrophilic PTFE** syringe filters are using special hydrophilic PTFE membrane as the filter medium. This material has a maximal chemical and pH resistance, and optically clear when wet with water. Hydrophilic PTFE syringe filter is a versatile filter for aqueous and aggressive organic solvent-based solutions, and especially ideal for HPLC operation. Pure polypropylene housings and color-coding housings include smooth rim or gear rim are all available

### Feature

- Low protein binding fine particle removal from aqueous and organic solutions.
- Accurate analysis HPLC certified for low levels of UV-absorbing extractables.
- High flow rates with minimal aqueous extractables.
- Low surface friction coefficient: 0.1.
- Wide range of working temperature: 180-260°C

### Application

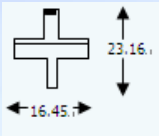
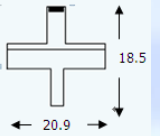
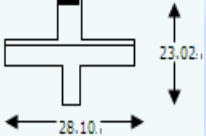
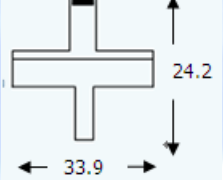
- Highly recommended for filtering HPLC samples and mobile phases.
- Organic solvent with strong chemical causticity filtration

### Cross Reference

Company	Product	Description
MS	Hydrophilic PTFE syringe filter	A versatile filter for aqueous and aggressive organic solvent-based solutions and especially ideal for HPLC operation.
Pall	GHP syringe filter	Hydrophilic PP membrane media. Highly recommended for filtering HPLC samples and mobile phases.
Millipore	Millex-GV Millex-HV	Hydrophilic PVDF membrane media. Preparation of protein-containing solutions prior to chromatography



## Technical Specification

Parameters	13mm	17mm	25mm	30mm
Membrane material	PTFE	PTFE	PTFE	PTFE
Housing material	PP	PP	PP	PP
Filtration area (cm <sup>2</sup> )	0.65	1.3	3.90	4.60
Pore Size (µm)	0.2,0.45	0.2,0.45	0.2,0.45	0.2,0.45
Holdup Volume (µL)	<10	<25	<30	<55
Sample Volume (µL)	<12	<100	<100	<140
Maximum Operating Temperature	130°C	130°C	130°C	130°C
Maximum Operating Pressure	130psi	130psi	130psi	130psi
Sample Type	>Aqueous >Organic	>Aqueous >Organic	>Aqueous >Organic	>Aqueous >Organic
Connections	Inlet: FLL Outlet: MSL	Inlet: FLL Outlet: MSL	Inlet: FLL Outlet: MSL	Inlet: FLL Outlet: MSL
Flow Direction	From FLL to MSL	From FLL to MSL	From FLL to MSL	From FLL to MSL
Dimensions ( mm )				



## Order Information

Catalogue No.	Membrane	Pore size( $\mu$ m)	Quantity/pack(pcs)
SFPTFE013022NL	PTFE	0.22	100
SFPTFE013045NL	PTFE	0.45	100
SFPTFE025022NL	PTFE	0.22	100
SFPTFE025045NL	PTFE	0.45	100
SFPTFE033022NL	PTFE	0.22	100
SFPTFE033045NL	PTFE	0.45	100
SFPTFE013022SL	PTFE	0.22	100
SFPTFE013045SL	PTFE	0.45	100
SFPTFE025022SL	PTFE	0.22	100
SFPTFE025045SL	PTFE	0.45	100
SFPTFE033022SL	PTFE	0.22	100
SFPTFE033045SL	PTFE	0.45	100

**Note:**

**membrane medium with pp or glass fiber prefilter are available.**

More information please visit our website [www.membrane-solutions.com](http://www.membrane-solutions.com).

Or mail us at : [info@membrane-solutions.com](mailto:info@membrane-solutions.com)



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