

**mdi** PTFE Syringe Filters type SYTF are specially designed for use in laboratories for small volume filtration and sample preparation.

The PTFE membrane and polypropylene (PP) construction makes it suitable even for filtration of highly aggressive solvents.

### Special Features

- Absolute retention efficiency
- 16 Channels for minimum back pressure
- Extremely low extractable
- Wide chemical compatibility
- HPLC certified for low levels of UV absorbing extractables
- Heat sealed to ensure 'no leaching'
- No initial flushing required

### Applications

- Sample filtration for HPLC and other critical instruments
- Filtration of organic solvents and chemicals



### Recommended Sample Volume

4mm	13mm	25mm
<1ml	<10ml	<100ml



### Special Features

#### Materials of Construction

Housing	Polypropylene
Filter Media	PTFE

#### Pore Size

0.2 µm, 0.45 µm, 1 µm, 5 µm

#### Inlet/Outlet Connections

Inlet: Female luer-lock  
Outlet: Male luer slip

#### Typical Hold-up Volume(with air purge)

4mm	13mm	25mm
<5µl	<20µl	<50µl

### HPLC Certified

Every lot of PTFE Membrane syringe filters is tested and certified for use in HPLC applications

**Burst Pressure (13mm/25mm)**  
>14kg/cm<sup>2</sup>

**Maximum Operating Temperature**  
55 °C

**Maximum Operating Pressure**  
75 psi @ 25 °C

#### Fiber Release

Complies with USFDA CFR Title 21, Part 211.92 and do not requires any initial Flushing

#### Extractables

- Filtrate (WFI ) complies with the requirements of USP <1231> for "Sterile Water for Injection".
- The plastic housing material complies with the requirements of USFDA CFR Title 21 Part 177.1520

#### Oxidizable Matter

Passes test as per USP <1231>

### Ordering Information

Type	Code
PTFE Membrane Syringe Filters	SYTF

Size	Code
4mm	01
13mm	03
25mm	06

Pore Size	Code
0.2µm	01
0.45µm	02
1µm	05
5µm	07

Inlet/Outlet	Code
Female Luer Lock	M
Male Luer Slip	N

XX

Sterility	Code
Non Sterile	1

Pack Size	Code
100	04
1000	06

Example:

SYTF	06	02	MN	XX	1	04
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