

**mdi** syringe filter type AseptiPrep- SYPL have Polyethersulfone (PES) mem-brane filter in a poly-propylene housing. These syringe filters are used for filtration and sterilization of protein solutions, culture media and serum. The low protein binding characteristics make these ideal for these applications, particularly where sample size is very small and recovery of protein of interest is sought.

**mdi** AseptiPrep- SYPL syringe filters provide absolute retention, wide chemical compatibility, and low extractables while offering excellent throughputs. The filters are validated and assured for quality to ensure superior performance.

### Special Features

- High retention efficiency
- 16 Channels for minimum back pressure
- Low extractable
- Hydrophilic
- Wide chemical compatibility.

### Application

- Sterilization of high value additives such as hormones, vitamins and antibiotics.
- Sterilization of protein solutions, culture media and buffers.

### Material of Construction

<b>Housing</b>	Polypropylene
<b>Filter</b>	Polyethersulfone Membrane



### Specifications

**Pore Size**  
0.2 µm, 0.45µm

#### Bubble Point

0.2 µm	≥ 50 psi (≥ 3.52 Kg/cm <sup>2</sup> )
0.45 µm	≥ 32 psi (≥ 2.25 Kg/cm <sup>2</sup> )

#### Inlet/Outlet Connections

Inlet: Female luer-lock  
Outlet: Male luer slip

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

4mm	13mm	25mm
<5µl	<20µl	<50µl

#### Sterilization Compatibility

Autoclavable	Yes
ETO Sterilizable	Yes
Radiation Sterilizable	No

#### Retention Efficiency

0.2 µm	LRV >10 <sup>7</sup> Br. diminuta per cm <sup>2</sup> of filter area
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0.45 µm	LRV >10 <sup>7</sup> S. marcescens per cm <sup>2</sup> of filter area
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**Maximum Operating Temperature**  
55 °C

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

#### Sample Volume

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

#### Extractables with Water:

Within limits specified in USP

#### Fiber Release:

Complies with USFDA CFR Title 21, Part 211.72

#### Oxidizable Matter:

Passes test as per USP

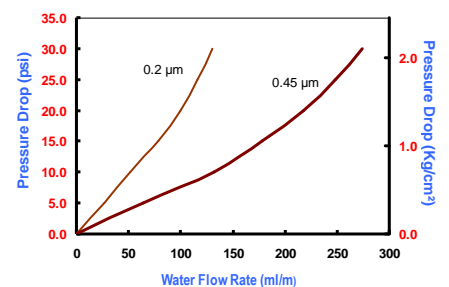
#### Biosafety

Passes the biological tests for Class VI plastics as described in USP

#### Oxidizable Matter

Passes test as per USP

### Water Flow Rate



Type	Code	Size		Pore Size		Inlet/Outlet		X	X	Sterility		Pack Size		Ordering Information
		Length	Code		Code		Code			Code	Qty	Code		
SYPL	SYPL	4 mm	01	0.2 µm	01	Female Luer Lock	M			Non Sterile	1	100	04	
		13 mm	03	0.45 µm	02	Male Luer Slip	N			ETO Sterilized	2			
		25 mm	06											
<b>EXAMPLE SYPL 06 01 MN XX 2 04</b>														