

# фильтр для привода Sterifil, DLLfil, GDXfil, Bestfil, Microfil, Chromfil, Allfil, Biofil, Easyfil, Vent

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## Syringe Filter Guider

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Wenzhou Maikai Technology Co.,Ltd is committed to becoming the leading manufacturer in the filter industry and meeting all the needs of customers for filters. We provides more than nine series of syringe filters under the brand" Microlab Scientific", and products produced in our own plant in China

Microlab syringe filter ranges with various membrane materials,pore sizes,diameters and special designs to match all of your requirements.

## Future

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Hot sales Series: Easyfil™,Chromfil™,Biofil™,Allfil™,Microfil™,Bestfil™,GDXfil™, DLLfil™, Sterifil™.

Membrane Material: Nylon, PES, CA, MCE, PTFE, PVDF, PP,PC, PVDF/L,PTFE/L, GF, RC, Mesh.

Pore Size: Ranges from 0.1µm~10µm.

Membrane Diameter: 4mm,13mm,17mm, 25mm, 30/33mm, 50mm and so on.

## How To Select Your Sample Preparation Device?

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Step1: Choose the suitable membrane filtration medium Characteristics of samples

Step2: choose the suitable diameter

Step3: Choose the stable pore size based on the nature of your sample

Removal of high particulate matter with a pre-filter is critical before any drug, toxic, or dirty environmental sample is filtered to ensure the highest syringe filter membrane performance.

Generally, 0.45 µm porosity filters are used to remove particulates from samples and mobile phase solutions. For Sterile-filtration, a 0.22 µm porosity filter can be used.

## Why Cooperate With Us?

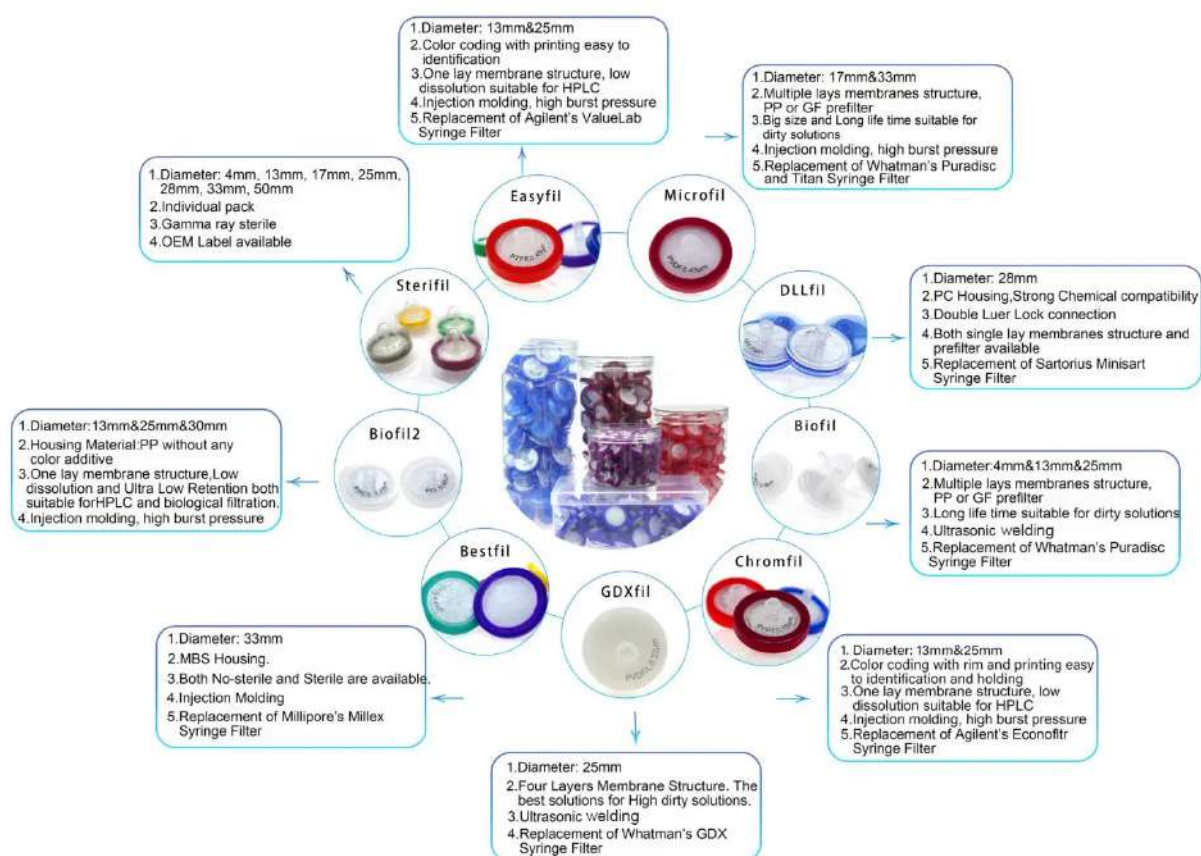
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Our range of laboratory syringe filters are designed to provide efficient, precise sample handling and filtration solutions. The filter adopts high-quality membrane material and has excellent filtration efficiency and anti-pollution performance. It can quickly and efficiently remove impurities and particles in samples to ensure the purity and reliability of samples. Our products comply with laboratory

# Specification

Solvents		Aqueous				
Hydrophobic	Hydrophilic	Hydrophilic				
Non-Aqueous	Aqueous Mixtures	Biological Samples	Sterilization Microbial Analysis	HPLC and GC	Solvent Mixtures Sample Prep	High Particulate Loads
PTFE, PVDF	Nylon, PTFE/L, PVDF/L, RC	PES, CA, PVDF/L, GF	MCE/NC	PVDF/L, RC	Nylon, PTFE/L, PVDF/L, RC	PP, GF, Filter with pre-filter

Series	Diameter (mm)	Filtration Area(cm <sup>2</sup> )	Holdup Volume(μl)	Sample Volume(ml)	Burst Pressure(psi)	Housing Material
Biofil	4	0.125	5	1	87	PP
Chromfil/Easyfil/Biofil2	13	0.92	10	10	87	PP
Biofil	13	1.09	20	10	87	PP
Microfil	17	1.65	20	20	87	PP
Chromfil/Easyfil/Biofil2	25	2.98	50	100	87	PP
Biofil	25	4.08	100	100	87	PP
DLLfil	28	5	200	150	87	PC
Bestfil	33	4.6	80	120	87	MBS
Microfil/Biofil2	33	4.9	100	120	87	PP





## SteriFil™ Syringe Filter

SteriFil™ syringe filters, are purpose-built with feature designed to bring the highest levels of performance and purity to your research. Each filter is individually packed and sterilized by gamma Radiation. We incorporate a variety of membranes to offer separation and purification solutions for the majority of your laboratory needs. The membranes range from Nylon, CA, MCE, PES, PTFE, PVDF, GF, RC to PP, which are supplied in 13mm, 25mm, 30/33mm

## Product Feature

- 1.Diameter: 4mm, 13mm, 17mm, 25mm, 28mm, 33mm, 50mm
- 2.Individual pack
- 3.Gamma ray sterile
- 4.OEM Label available

## Technical Specification

Filter Media	Nylon/PTFE/Hydrophilic PTFE/MCE/RC/CA/PES/PVDF/Hydrophilic PVDF
Housing	PP/PC/MBS
Diameter(mm)	13,25,33
Filtration Area(cm <sup>2</sup> )	1.09,2.98
Sterilization	Gamma radiation
Pore size(μm)	0.22,0.45
Max.operation pressure	>87psi
Inlet/outlet connections	Female luer lock/Male luer slip

## Order Information

Part No.	Membrane	Diameter(mm)	Pore Size(μm)	Packing(pcs/pk)
S13NY022S	NY	13	0.22	100
S13NY045S			0.45	
S25NY022S		25	0.22	50
S25NY045S			0.45	
S33NY022S		33	0.22	
S33NY045S			0.45	

S13PES022S	PES	13	0.22	100
S13PES045S			0.45	
S25PES022S		25	0.22	50
S25PES045S			0.45	
S33PES022S		33	0.22	
S33PES045S			0.45	
S13CA022S	CA	13	0.22	100
S13CA045S			0.45	
S25CA022S		25	0.22	50
S25CA045S			0.45	
S33CA022S		33	0.22	
S33CA045S			0.45	
S13MCE022S	MCE	13	0.22	100
S13MCE045S			0.45	
S25MCE022S		25	0.22	50
S25MCE045S			0.45	
S33MCE022S		33	0.22	
S33MCE045S			0.45	
S13PTB022S	Hydrophobic PTFE	13	0.22	100
S13PTB045S			0.45	
S25PTB022S		25	0.22	50
S25PTB045S			0.45	
S33PTB022S		33	0.22	
S33PTB045S			0.45	
S13PTL022S	Hydrophilic PTFE	13	0.22	100
S13PTL045S			0.45	
S25PTL022S		25	0.22	50
S25PTL045S			0.45	
S33PTL022S		33	0.22	
S33PTL045S			0.45	
S13PVB022S	Hydrophobic PVDF	13	0.22	100
S13PVB045S			0.45	
S25PVB022S		25	0.22	50
S25PVB045S			0.45	
S33PVB022S		33	0.22	
S33PVB045S			0.45	
S13PVL022S	Hydrophilic PVDF	13	0.22	100
S13PVL045S			0.45	
S25PVL022S		25	0.22	50
S25PVL045S			0.45	
S33PVL022S		33	0.22	
S33PVL045S			0.45	
S13RC022S	RC	13	0.22	100
S13RC045S			0.45	
S25RC022S		25	0.22	50
S25RC045S			0.45	
S33RC022S		33	0.22	
S33RC045S			0.45	
S13PP022S	PP	13	0.22	100
S13PP045S			0.45	
S25PP022S		25	0.22	50
S25PP045S			0.45	
S33PP022S		33	0.22	
S33PP045S			0.45	

S13GF070S	GF	13	0.70	100
S13GF100S			1.0	
S25GF070S		25	0.70	50
S25GF100S			1.0	
S33GF070S		33	0.70	
S33GF100S			1.0	

# Product Display

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## Sterifil™ Syringe Filter



**Sterifil™ syringe filters**, are purpose-built with feature designed to bring the highest levels of performance and purity to your research. Each filter is individually packed and sterilized by gamma Radiation. We incorporate a variety of membranes to offer separation and purification solutions for the majority of your laboratory needs. The membranes range from Nylon, CA, MCE, PES, PTFE, PVDF to PP, which are supplied in 13mm, 25mm, 30/33mm no virgin medical PP housings.

### How to select your sample preparation device?

**Step 1: Choose the suitable membrane filtration medium Characteristics of samples**

Solutions	Recommended
Solvent Mixtures	Nylon, Hydrophilic PTFE,
Tissue culture Media, Buffers, Protein Analysis/ Biological Samples	CA, PES, MCE, Hydrophilic PVDF
High Particulate Loads	PP,GF, Filter with pre-filter
Aggressive or Pure Organic Solvents	Hydrophobic PTFE, PVDF

**Step2: choose the suitable diameter**

Volume of samples	Recommend
<10ml	13mm
<100ml	25mm
<200ml	30/33mm



## Step 3: Choose the suitable pore size based on the nature of your sample

- Removal of high particulate matter with a pre filter is critical before any drug, toxic, or dirty environmental sample is filtered to ensure the highest syringe filter membrane performance.
- Generally, 0.45  $\mu\text{m}$  porosity filters are used to remove particulates from samples and mobile phase solutions. For Sterile-filtration, a 0.20  $\mu\text{m}$  porosity filter can be used.

## Specification

Parameters	13mm		25mm		33/30mm	
Filtration area (cm2)	0.92		3.9		5.39	
Normal Pore Size(μm)	0.22	0.45	0.22	0.45	0.22	0.45
Holdup volume (μl)	<10		<100		<100	
Sample volume (ml)	<10		<120		<200	
Inlet/Outlet	Female luer lock/Male luer slip					
Maximum Operating Temperature	50℃		50℃		50℃	
Maximum Operating Pressure (psi)	>87		>87		>87	
Sterilization	Gamma Radiation					
Radicalization Computation	4K (Dmin)					
Testing Method	GB15979-1995					
period of validity	3years					

## Test Result




Target before Irradiation	Testing Result	Target after Irradiation	Testing Result
Total Plate Count	>5000 cfu/g	Total Plate Count	<10 cfu/g
Ecoli	Growth	Ecoli	No growth
Mildew	Growth	Mildew	No growth
Staphylococcus aureus	Growth	Staphylococcus	No growth
Salmonella	Growth	Salmonella	No growth

Comments: Bacterial attack is not apparent in the form of visible growth on the specimen surface, all the sterilized syringe filter are certified of pyrogen free.





## Related Products:

			
Microbiology Membrane Filter	Absorbent Pad	Petri Dish	Vacuum Filtration Apparatus

## Order Information

### 13mm syringe filters

Part No.	Membrane	Pore Size ( $\mu\text{m}$ )	Diameter (mm)	Packing (pcs/pk)
S13PTL022S	Hydrophobic PTFE	0.22	13	100
S13PTL045S		0.45	13	100
S13PTB022S	Hydrophobic PTFE	0.22	13	100
S13PTB045S		0.45	13	100
S13PES022S	PES	0.22	13	100
S13PES045S		0.45	13	100
S13PVL022S	Hydrophilic PVDF	0.22	13	100
S13PVL045S		0.45	13	100
S13PVB022S	Hydrophobic PVDF	0.22	13	100
S13PVB045S		0.45	13	100
S13CA022S	CA	0.22	13	100
S13CA045S		0.45	13	100
S13MCE022S	MCE	0.22	13	100
S13MCE045S		0.45	13	100
S13NY022S	Nylon	0.22	13	100
S13NY045S		0.45	13	100
S13RC022S	RC	0.22	13	100
S13RC045S		0.45	13	100

### 25mm syringe filters

Part No.	Membrane	Pore Size ( $\mu\text{m}$ )	Diameter (mm)	Packing (pcs/pk)
S25PTL022S	Hydrophobic PTFE	0.22	25	50
S25PTL045S		0.45	25	50
S25PTB022S	Hydrophobic	0.22	25	50



S25PTB045S	PTFE	0.45	25	50
S25PES022S	PES	0.22	25	50
S25PES045S		0.45	25	50
S25PVL022S	Hydrophilic	0.22	25	50
S25PVL045S	PVDF	0.45	25	50
S25PVB022S	Hydrophobic	0.22	25	50
S25PVB045S		0.45	25	50
S25CA022S	CA	0.22	25	50
S25CA045S		0.45	25	50
S25MCE022S	MCE	0.22	25	50
S25MCE045S		0.45	25	50
S25NY022S	Nylon	0.22	25	50
S25NY045S		0.45	25	50
S25RC022S	RC	0.22	25	50
S25RC045S		0.45	25	50

## 33mm Syringe Filter

Part No.	Membrane	Pore Size ( $\mu\text{m}$ )	Diameter (mm)	Packing (pcs/pk)
S33PTL022S	Hydrophobic	0.22	33	50
S33PTL045S	PTFE	0.45	33	50
S33PTB022S	Hydrophobic	0.22	33	50
S33PTB045S		0.45	33	50
S33PES022S	PES	0.22	33	50
S33PES045S		0.45	33	50
S33PVL022S	Hydrophilic	0.22	33	50
S33PVL045S		0.45	33	50
S33PVB022S	Hydrophobic	0.22	33	50
S33PVB045S		0.45	33	50
S33CA022S	CA	0.22	33	50
S33CA045S		0.45	33	50
S33MCE022S	MCE	0.22	33	50
S33MCE045S		0.45	33	50
S33NY022S	Nylon	0.22	33	50
S33NY045S		0.45	33	50
S33RC022S	RC	0.22	33	50
S33RC045S		0.45	33	50



## DLLfil™ Syringe Filter

Double Luer Lock (DLL) Syringe Filters provide a high throughput sample filtration method with innovative connection way (Individual or Assembled). The Membrane filters are available for 33mm syringe filters in 0.2µm and 0.45µm. The range of Membrane including all common membranes, such as Nylon, PTFE, PES, MCE, CA, PVDF, GF, RC etc.

## Product Feature

1. Diameter: 28mm.
2. PC Housing, Strong Chemical compatibility
3. Double Luer Lock connection
4. Both single layer membranes structure and prefilter available
5. Replacement of Sartorius' Minisart Syringe Filter

## Technical Specification

Filter Media	Nylon/PTFE/Hydrophilic PTFE/MCE/RC/CA/PES/PVDF/Hydrophilic PVDF
Housing	PC
Diameter(mm)	28
Filtration Area(cm <sup>2</sup> )	5
Sealing Technology	Ultrasonic welding
Pore size(µm)	0.22, 0.45
Max. operation pressure	6bar@23°C
Inlet/outlet connections	Female luer lock inlet/Male luer lock outlet

## Order Information

Part No.	Membrane	Diameter(mm)	Pore Size(µm)	Packing(pcs/pk)
S28NY022D	NYLON	28	0.22	100
S28NY045D			0.45	
S28PES022D	PES	28	0.22	100
S28PES045D			0.45	
S28CA022D	CA	28	0.22	100

S28CA045D			0.45	
S28MCE022D	MCE	28	0.22	100
S28MCE045D			0.45	
S28PTB022D	Hydrophobic PTFE	28	0.22	100
S28PTB045D			0.45	
S28PTL022D	Hydrophilic PTFE	28	0.22	100
S28PTL045D			0.45	
S28PVB022D	Hydrophobic PVDF	28	0.22	100
S28PVB045D			0.45	
S28PVL022D	Hydrophilic PVDF	28	0.22	100
S28PVL045D			0.45	
S28RC022D	RC	28	0.22	100
S28RC045D			0.45	
S28PP022D	PP	28	0.22	100
S28PP045D			0.45	
S28GF070D	GF	28	0.70	100
S28GF100D			1.0	

Product Display



# Filter Series

## DLLfil™ Syringe Filter

### Lab Filtration



### Introduction

- ▶ Diameter: 28mm even bigger than millipore's 33mm syringe filter.
- ▶ PC housing: high temperature resistance and broad chemical resistance.
- ▶ Double luer lock.
- ▶ Prefilter options: PP, GF.
- ▶ Sterilization available.

### Application

- ▶ HPLC sample preparation.
- ▶ Environmental samples.
- ▶ General particulate removal.
- ▶ Removal of protein precipitates.
- ▶ High temperature liquid filtration.

### Technical Specification

Filter Media:	CA/PES/PTFE/PVDF/ Hydrophilic PTFE/Hydrophilic PVDF
Housing	PC
Diameter	28mm
Pore Size	0.22µm, 0.45µm
Sealing Technology	Ultrasonic Welding
Filtration Area	5cm <sup>2</sup>
Inlet/Outlet Connections	Female Luer Lock Inlet /Male Luer Lock Outlet
Max. Operation Pressure	6bar@23°C

### Order Information

Pore Size	Nylon	CA	PTFE	Hydrophilic PTFE	PVDF
0.22	S28NY022D	S28CA022D	S28PTB022D	S28PTL022D	S28PVB022D
0.45	S28NY045D	S28CA045D	S28PTB045D	S28PTL045D	S28PVB045D
Hydrophilic PVDF	PES	RC	GF	PP	MCE
S28PVL022D	S28PES022D	S28RC022D	S28GF022D	S28PP022D	S28MCE022D
S28PVL045D	S28PES045D	S28RC045D	S28GF045D	S28PP045D	S28MCE045D

PS: Other pore size and filter media is available.



## GDXfil™ Syringe Filter

The Microlab GD/X syringe filter is specifically designed for high particulate loaded samples. GD/X™ syringe filters are constructed with a pigment-free polypropylene housing containing a pre-filtration stack of Microlab GMF 150 (graded density) and GF/F glass microfiber membrane media. The membranes including Nylon, CA, PES, PTFE, PVDF, Regenerated Cellulose(RC) .

## Product Feature

1. Diameter: 25mm.
2. Four Layers Membrane Structure. The best solutions for High dirty solutions.
3. Ultrasonic Melting
4. Replacement of Whatman's GDX Syringe Filter

## Technical Specification

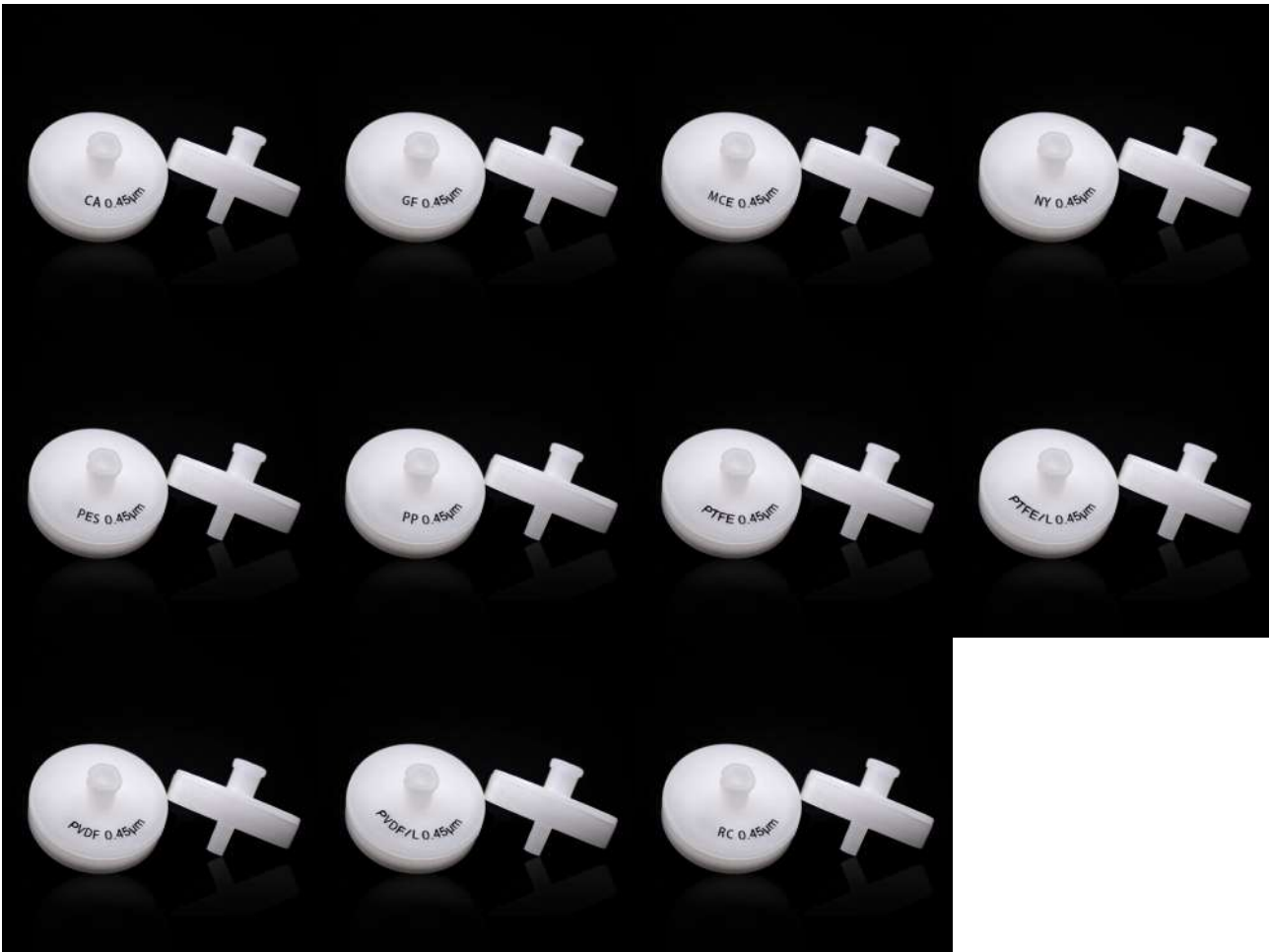
Filter Media	Nylon/PTFE/Hydrophilic PTFE/MCE/RC/CA/PES/PVDF/Hydrophilic PVDF
Housing	pp
Diameter(mm)	25
Filtration Area(cm <sup>2</sup> )	4.6
Sealing Technology	Ultrasonic welding
Pore size(µm)	0.22,0.45
Max.operation pressure	5.2bar@23°C
Inlet/outlet connections	Female luer lock/Male luer slip

## Order Information

Part No.	Membrane	Diameter(mm)	Pore Size(µm)	Packing(pcs/pk)
S25NY022G	NYLON	25	0.22	100
S25NY045G			0.45	
S25PES022G	PES	25	0.22	100
S25PES045G			0.45	
S25CA022G	CA	25	0.22	100
S25CA045G			0.45	

S25MCE022G	MCE	25	0.22	100
S25MCE045G			0.45	
S25PTB022G	Hydrophobic PTFE	25	0.22	100
S25PTB045G			0.45	
S25PTL022G	Hydrophilic PTFE	25	0.22	100
S25PTL045G			0.45	
S25PVB022G	Hydrophobic PVDF	25	0.22	100
S25PVB045G			0.45	
S25PVL022G	Hydrophilic PVDF	25	0.22	100
S25PVL045G			0.45	
S25RC022G	RC	25	0.22	100
S25RC045G			0.45	
S25PP022G	PP	25	0.22	100
S25PP045G			0.45	
S25GF070G	GF	25	0.70	100
S25GF100G			1.0	

# Product Display







## Microlab GDXFil™ Syringe Filter



### Introduction

The Microlab GD/X syringe filter is specifically designed for high particulate loaded samples. GD/X™ syringe filters are constructed with a pigment-free polypropylene housing containing a pre-filtration stack of Microlab GMF 150 (graded density) and GF/F glass microfiber membrane media.. All the Syringe filters are well packed, with competitive price filters. The membranes including Nylon, CA, PES, PTFE, PVDF, Regenerated Cellulose(RC) .

### Feature

- Eliminate or greatly reduce the need to carry out separate prefiltration step with difficult-to-filter samples.
- Requires less hand pressure, even with the most difficult samples.
- Processes three to seven times more sample volume.
- GD/X filter construction facilitates exceptional loading capacity with fast flow rates. This prevents the build up of backpressure typically caused by the blocking of an unprotected membrane.

### Application

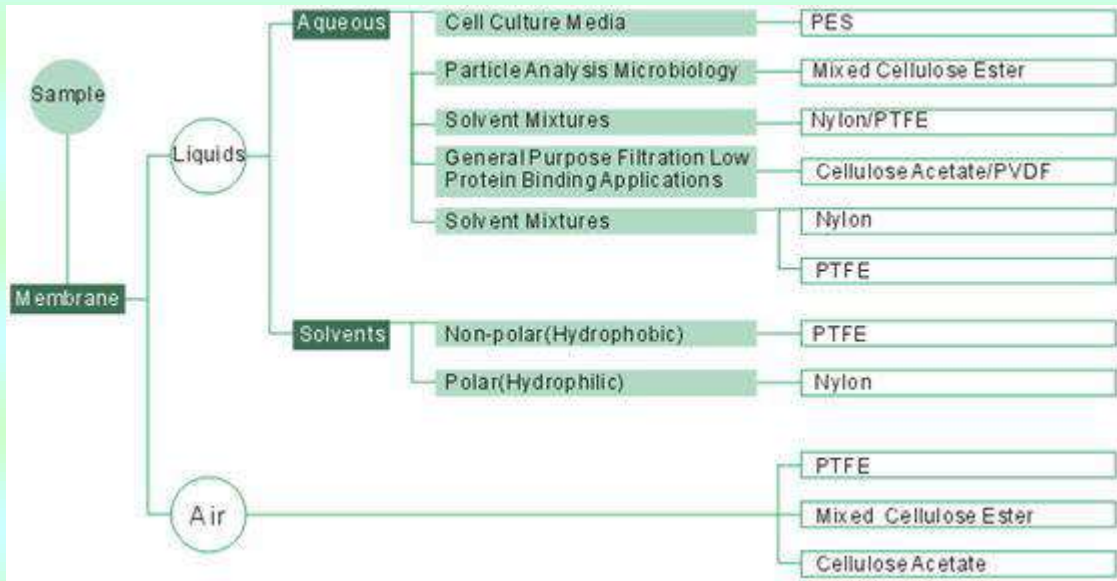
- Oil Based Solutions
- Pharmaceutical Preparations
- Enzymes
- Biological Samples



# Microlab Scientific Co., Ltd

- Buffer Solutions
- Salt Solutions
- Cleaning/Rinsing Solutions
- Irrigation Solutions
- Sterile Isolations
- Virus Suspensions
- Tissue Culture Media
- Partical Counting Solutions
- Serum Samples and more..

## Membrane Filter Selection Guide



## Membrane Filter Specification Chart

Membrane	Pore Size Range (µm)	Diameter Range (mm)
CA(Cellulose Acetate)	0.22,0.45	25
PES(Polyethersulfone)	0.22,0.45	25
Hydrophilic PTFE	0.22,0.45	25
Hydrophobic PTFE	0.22,0.45	25
Nylon(polyamide)	0.22 /0.45	25
Hydrophobic PVDF	0.22,0.45	25
Hydrophilic PVDF	0.22,0.45	25,
RC	0.22,0.45	25,



## Order Information

Cart No.	Description	Packing	Online Price (USD/pk)
S25NY022G	Nylon Syringe Filters with Four layers Glass Filter Prefilter, Pore:0.22(μm), Housing Diameter:25(mm)	100pcs/pk	ask for quote
S25NY045G	Nylon Syringe Filters with Four layers Glass Filter Prefilter, Pore:0.45(μm), Housing Diameter:25(mm)	100pcs/pk	ask for quote
S25PTB022G	PTFE Syringe Filters with Four layers Glass Filter Prefilter, Hydrophobic Pore:0.22(μm), Housing Diameter:25(mm)	100pcs/pk	ask for quote
S25PTB045G	PTFE Syringe Filters with Four layers Glass Filter Prefilter, Hydrophobic, Pore:0.45(μm), Housing Diameter:25(mm)	100pcs/pk	ask for quote
S25CA022G	CA Syringe Filters with Four layers Glass Filter Prefilter, Pore:0.22(μm), Housing Diameter:25(mm)	100pcs/pk	ask for quote
S25CA045G	CA Syringe Filters with Four layers Glass Filter Prefilter, Pore:0.45(μm), Housing Diameter:25(mm)	100pcs/pk	ask for quote
S25PVB022G	PVDF Syringe Filters with Four layers Glass Filter Prefilter, Hydrophobic Pore:0.22(μm), Housing Diameter:25(mm)	100pcs/pk	ask for quote
S25PES022G	PES Syringe Filters with Four layers Glass Filter Prefilter, Pore:0.22(μm), Housing Diameter:25(mm)	100pcs/pk	ask for quote
S25PES045G	PES Syringe Filters with Four layers Glass Filter Prefilter, Pore:0.45(μm), Housing Diameter:25(mm)	100pcs/pk	ask for quote
S25PTL022G	PTFE Syringe Filters with Four layers Glass Filter Prefilter, Hydrophilic Pore:0.22(μm), Housing Diameter:25(mm)	100pcs/pk	ask for quote
S25PTL045G	PTFE Syringe Filters with Four layers Glass Filter Prefilter, Hydrophilic, Pore:0.45(μm), Housing Diameter:25(mm)	100pcs/pk	ask for quote
S25PVL022G	PVDF Syringe Filters with Four layers Glass Filter Prefilter, Hydrophilic Pore:0.22(μm), Housing Diameter:25(mm)	100pcs/pk	ask for quote
S25PVL045G	PVDF Syringe Filters with Four layers Glass Filter Prefilter, Hydrophilic Pore:0.45(μm), Housing Diameter:25(mm)	100pcs/pk	ask for quote
S25RC022G	RC Syringe Filters with Four layers Glass Filter Prefilter, Hydrophilic Pore:0.22(μm), Housing Diameter:25(mm)	100pcs/pk	ask for quote
S25RC045G	RC Syringe Filters with Four layers Glass Filter Prefilter, Hydrophilic Pore:0.45(μm), Housing Diameter:25(mm)	100pcs/pk	ask for quote

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## Bestfil™ Syringe Filter

Bestfil™ filters are manufactured in a controlled environment using an automated process. Human hands never touch the filter during assembly. The filters are well packed, with competitive price filters. The membranes range from Nylon, CA, PES, PTFE, PVDF, RC, which are supplied in 4mm, 13mm, 25mm and 33mm.

## Product Feature

1. Diameter: 33mm.
2. MBS Housing.
3. Both No-sterile and Sterile are available.
4. Injection Molding
5. Replacement of Millipore's Millex Syringe Filter

## Technical Specification

Filter Media	Nylon/PTFE/Hydrophilic PTFE/MCE/RC/CA/PES/PVDF/Hydrophilic PVDF
Housing	MBS
Diameter(mm)	33
Filtration Area(cm <sup>2</sup> )	5.3
Sealing Technology	Injection molding
Pore size(μm)	0.1, 0.22, 0.45, 1.0, 3.0, 5.0
Max. operation pressure	87psi (6.0 bar) at 20°C
Inlet/outlet connections	Female luer lock/Male luer slip

## Order Information

Part No.	Membrane	Diameter(mm)	Pore Size(μm)	Packing(pcs/pk)
S33NY022B	NYLON	33	0.22	100
S33NY045B			0.45	
S33PES022B	PES	33	0.22	100
S33PES045B			0.45	

S33CA022B	CA	33	0.22	100
S33CA045B			0.45	
S33MCE022B	MCE	33	0.22	100
S33MCE045B			0.45	
S33PTB022B	Hydrophobic PTFE	33	0.22	100
S33PTB045B			0.45	
S33PTL022B	Hydrophilic PTFE	33	0.22	100
S33PTL045B			0.45	
S33PVB022B	Hydrophobic PVDF	33	0.22	100
S33PVB045B			0.45	
S33PVL022B	Hydrophilic PVDF	33	0.22	100
S33PVL045B			0.45	
S33RC022B	RC	33	0.22	100
S33RC045B			0.45	
S33PP022B	PP	33	0.22	100
S33PP045B			0.45	
S33GF070B	GF	33	0.70	100
S33GF100B			1.0	



Bestfil™ Syringe filter

## Introduction

*Bestfil™* filters are manufactured in a controlled environment using an automated process. Human hands never touch the filter during assembly. The filter are well packed, with competitive price filters. The membranes range from Nylon, CA, PES, PTFE, PVDF, RC, which are supplied in 4mm, 13mm, 25mm and 33mm.

## Feature

### Faster flow rate

The larger filter surface area increases flow rate and throughput. It also makes it easier to filter solutions because it reduces the pressure required to empty the syringe.

### Higher operating pressure

*Bestfil™* have a maximum housing pressure of 10.5 bar (150 psig), which means you can filter solutions faster than before.

### Color-coded

The color-coded band on the *Bestfil™* housing clearly indicates which membrane is inside.



## Applications

- HPLC, UHPLC, IC, GC, Dissolution testing,
- Clarification of water, buffers or aqueous solutions
- Biological Samples
- Food analysis
- Environmental samples and more

## Specifications

Housing Material	PVC
Inlet Fittings	Female Luer-Lok®
Outlet Fittings	Male Luer slip
Filtration Area	0.5~4.6 cm <sup>2</sup>
Hold-up Volume	5~55 µL
Maximum Inlet Pressure, bar (psi)	10.5 bar (150 psi)
Maximum Operating Temperature	>87

## Membrane Filter Specification Chart

Membrane	Pore Size Range (µm)	Diameter Range (mm)
CA(Cellulose Acetate)	0.22,0.45	4,25, 33
PES(Polyethersulfone)	0.22,0.45	4,25, 33
Hydrophilic PTFE	0.22,0.45	4,25, 33
Hydrophobic PTFE	0.22,0.45	4,25, 33
Nylon(polyamide)	0.22 /0.45	4,25, 33
Hydrophobic PVDF	0.22,0.45	4,25, 33
Hydrophilic PVDF	0.22,0.45	4,25, 33
RC	0.22,0.45	4,25, 33





## Order Information

### 13mm syringe filters

Part No.	Membrane	Pore Size(μm)	Diameter (mm)	Packing (pcs/pk)	Online Price (USD/pk)
S13NY022T	Nylon	0.22	13	100	ask for quote
S13NY045T		0.45	13	100	ask for quote
S13PTB022T	Hydrophobic PTFE	0.22	13	100	ask for quote
S13PTB045T		0.45	13	100	ask for quote
S13PTL022T	Hydrophilic PTFE	0.22	13	100	ask for quote
S13PTL045T		0.45	13	100	ask for quote
S13PES022T	PES	0.22	13	100	ask for quote
S13PES045T		0.45	13	100	ask for quote
S13PVB022T	Hydrophobic PVDF	0.22	13	100	ask for quote
S13PVB045T		0.45	13	100	ask for quote
S13PVL022T	Hydrophilic PVDF	0.22	13	100	ask for quote
S13PVL045T		0.45	13	100	ask for quote
S13CA022T	CA	0.22	13	100	ask for quote
S13CA045T		0.45	13	100	ask for quote
S13RC022T	Regenerated	0.22	13	100	ask for quote
S13RC045T	Cellulose(RC)	0.45	13	100	ask for quote

### 25mm syringe filters

Part No.	Membrane	Pore Size(μm)	Diameter(mm)	Packing (pcs/pk)	Online Price (USD/pk)
S25NY022T	Nylon	0.22	25	100	ask for quote
S25NY045T		0.45	25	100	ask for quote
S25PTB022T	Hydrophobic PTFE	0.22	25	100	ask for quote
S25PTB045T		0.45	25	100	ask for quote
S25PTL022T	Hydrophilic PTFE	0.22	25	100	ask for quote
S25PTL045T		0.45	25	100	ask for quote
S25PES022T	PES	0.22	25	100	ask for quote
S25PES045T		0.45	25	100	ask for quote
S25PVB022T	Hydrophobic PVDF	0.22	25	100	ask for quote
S25PVB045T		0.45	25	100	ask for quote

# Microlab Scientific Co., Ltd



S25PVL022T	Hydrophilic PVDF	0.22	25	100	ask for quote
S25PVL045T		0.45	25	100	ask for quote
S25CA022T	CA	0.22	25	100	ask for quote
S25CA045T		0.45	25	100	ask for quote
S25RC022T	RC	0.22	25	100	ask for quote
S25RC045T		0.45	25	100	ask for quote



## Microfil™ Syringe Filter



17 and 33mm Syringe Filters designed with a layer of GF prefilter ideal for filtering the solutions with a high load of particulate matter and to speed up and increase sample volume throughput while reducing thumb pressure. All the Syringe filters are well packed, with competitive price filters. The membranes including Nylon, CA, MCE, PES, PTFE, PVDF, GF, Regenerated Cellulose(RC) and PP. All with HPLC certification.

## Product Feature

- 1.Diameter: 17mm, 33mm.
- 2.Injection molding: High pressure resistant.
- 3.Color coding with rim: More popular and easier to identify the pore size and filter media.
- 4.Larger filtration areas: ( bigger than 33mm) Increased sample throughout.

## Technical Specification

Filter Media	Nylon/PTFE/Hydrophilic PTFE/MCE/RC/CA/PES/PVDF/Hydrophilic PVDF
Housing	pp
Diameter(mm)	17,33
Filtration Area(cm <sup>2</sup> )	1.65,5.39
Sealing Technology	Injection molding
Pore size(μm)	0.1,0.22,0.45,1.0,3.0,5.0
Max.operation pressure	6 bar@ 23°C
Inlet/outlet connections	Female inlet lock/Male outlet slip

## Order Information

Part No.	Membrane	Diameter(mm)	Pore Size(μm)	Packing(pcs/pk)
S17NY022M	NYLON	17	0.22	100
S17NY045M			0.45	
S33NY022M		33	0.22	
S33NY045M			0.45	
S17PES022M	PES	17	0.22	100
S17PES045M			0.45	

S33PES022M		33	0.22	
S33PES045M			0.45	
S17CA022M	CA	17	0.22	100
S17CA045M			0.45	
S33CA022M		33	0.22	
S33CA045M			0.45	
S17MCE022M	MCE	17	0.22	100
S17MCE045M			0.45	
S33MCE022M		33	0.22	
S33MCE045M			0.45	
S17PTB022M	Hydrophobic PTFE	17	0.22	100
S17PTB045M			0.45	
S33PTB022M		33	0.22	
S33PTB045M			0.45	
S17PTL022M	Hydrophilic PTFE	17	0.22	100
S17PTL045M			0.45	
S33PTL022M		33	0.22	
S33PTL045M			0.45	
S17PVB022M	Hydrophobic PVDF	17	0.22	100
S17PVB045M			0.45	
S33PVB022M		33	0.22	
S33PVB045M			0.45	
S17PVL022M	Hydrophilic PVDF	17	0.22	100
S17PVL045M			0.45	
S33PVL022M		33	0.22	
S33PVL045M			0.45	
S17RC022M	RC	17	0.22	100
S17RC045M			0.45	
S33RC022M		33	0.22	
S33RC045M			0.45	
S17PP022M	PP	17	0.22	100
S17PP045M			0.45	
S33PP022M		33	0.22	
S33PP045M			0.45	
S17GF070M	GF	17	0.70	100
S17GF100M			1.0	
S33GF070M		33	0.70	
S33GF100M			1.0	

## Product Display

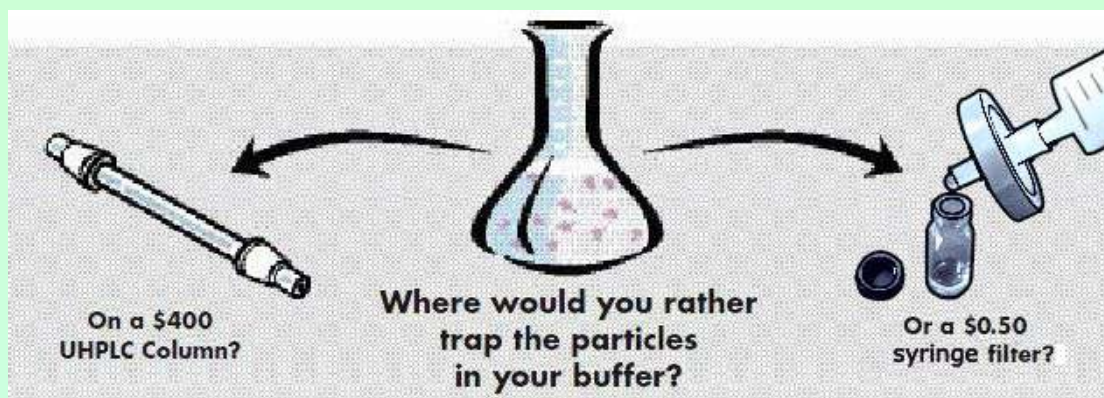




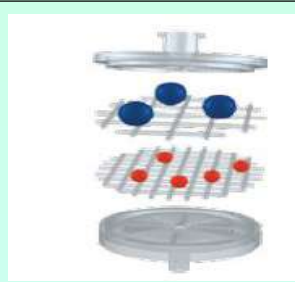
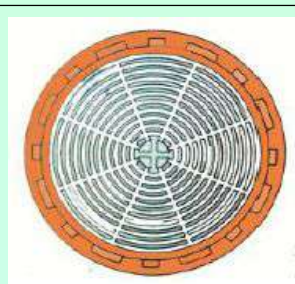


## Microfil™ Syringe Filter

Why To use a syringe filter?



Why choose Microfil™ Syringe Filter



### Features and benefits:

- **Color coding:** Easier to tell the filter membrane
- **Larger filtration areas:** ( bigger than 33mm) Increased sample throughout
- **Added sample distribution ring:** Improved membrane flows.
- **High resolutions print:** Easier to tell the pore size of filter.
- **Better membrane media:** Improved membrane flow rates.
- **GF Perfilter Design:** Better for solutions with a high load of particulate matter.
- **Minimum sample hold-up:** Syringe Filters' housings are specifically designed to maximize sample recovery



### Microfil™ Syringe Filters:

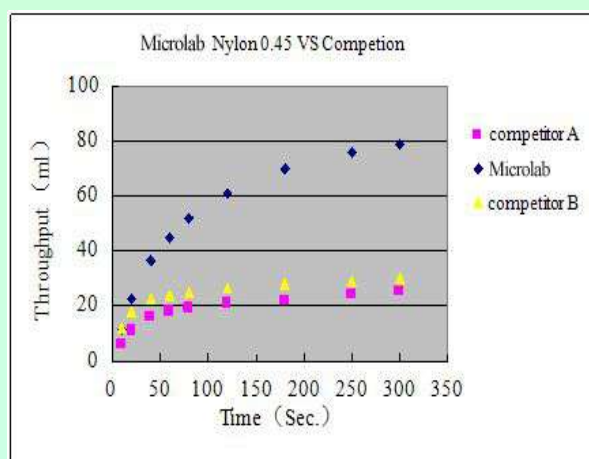
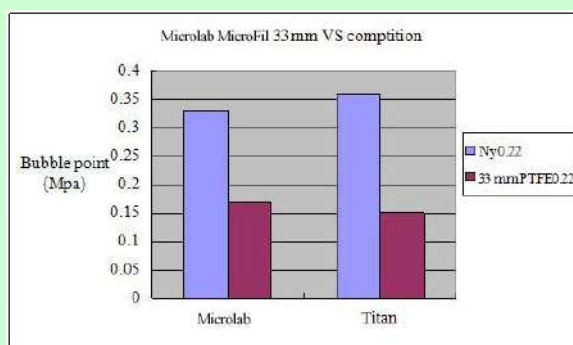
17 and 33mm Syringe Filters designed with a layer of GF prefilter ideal for filtering the solutions with a high load of particulate matter and to speed up and increase sample volume throughput while reducing thumb pressure. All the Syringe filters are well packed, with competitive price filters. The membranes including Nylon, CA, MCE, PES, PTFE, PVDF and PP. All with HPLC certification.





## Application

- HPLC sample preparation
- Content uniformity
- Removal of protein precipitates
- Dissolution testing
- Environmental samples



## Specification

Parameters	17mm		33mm	
Housing material	Virgin Medical Polypropylene			
Filtration area (cm2)	1.65		5.39	
Normal Pore Size(μm)	0.22	0.45	0.22	0.45
Holdup volume (μl)	<25		<100	
Sample volume (ml)	<20		<200	
Inlet/Outlet	Female luer lock/Male luer slip			
Maximum Operating Temperature	50°C		50°C	
Maximum Operating Pressure (psi)	>87		>87	





## Order Information:

	Cart No.	Description	Packing
	SI7NY022M	Nylon Syringe Filter,17mm, 0.22μm	100pcs/pk
	SI7NY045M	Nylon Syringe Filter,17mm, 0.45μm	100pcs/pk
	S33NY022M	Nylon Syringe Filter,33mm, 0.22μm	100pcs/pk
	S33NY045M	Nylon Syringe Filter,33mm, 0.45μm	100pcs/pk
	SI7PTB022M	PTFE Syringe Filter,17mm, 0.22μm, Hydrophobic	100pcs/pk
	SI7PTB045M	PTFE Syringe Filter,17mm, 0.45μm, Hydrophobic	100pcs/pk
	S33PTB022M	PTFE Syringe Filter,33mm, 0.22μm,Hydrophobic	100pcs/pk
	S33PTB045M	PTFE Syringe Filter,33mm, 0.45μm,Hydrophobic	100pcs/pk
	SI7PVB022M	PVDF Syringe Filter,17mm, 0.22μm	100pcs/pk
	SI7PVB045M	PVDF Syringe Filter,17mm, 0.45μm	100pcs/pk
	S33PVB022M	PVDF Syringe Filter,33mm, 0.22μm	100pcs/pk
	S33PVB045M	PVDF Syringe Filter,33mm, 0.45μm	100pcs/pk
	SI7PES022M	PES Syringe Filter,17mm, 0.22μm	100pcs/pk
	SI7PES045M	PES Syringe Filter,17mm, 0.45μm	100pcs/pk
	S33PES022M	PES Syringe Filter,33mm, 0.22μm	100pcs/pk
	S33PES045M	PES Syringe Filter,33mm, 0.45μm	100pcs/pk
	SI7CA022M	CA Syringe Filter,17mm, 0.22μm	100pcs/pk
	SI7CA045M	CA Syringe Filter,17mm, 0.45μm	100pcs/pk
	S33CA022M	CA Syringe Filter,33mm, 0.22μm	100pcs/pk
	S33CA045M	CA Syringe Filter,33mm, 0.45μm	100pcs/pk
	SI7PTL022M	PTFE Syringe Filter,17mm, 0.22μm, Hydrophilic	100pcs/pk
	SI7PTL045M	PTFE Syringe Filter,17mm, 0.45μm, Hydrophilic	100pcs/pk
	S33PTL022M	PTFE Syringe Filter,33mm, 0.22μm, Hydrophilic	100pcs/pk
	S33PTL045M	PTFE Syringe Filter,33mm, 0.45μm, Hydrophilic	100pcs/pk

Note: other special Pore Size are available.



## Chemical Compatibility Table

Note: **+**: Resistant    **o**: Limited Resistant    **-**: Not Resistant

Solvent	MCE	CA	NY	PTFE	H-PTF	PVDF	PES	GF	PP
Acetaldehyde	-	-	o	+	+	+		+	o
Acetic acid, 100 %	-	-	-	+	+	+	+	+	+
Acetone	-	-	+	+	+	-	-	+	+
Acetonitrile	-	-	+	+	+	+	+	+	+
Ammonia, 33 %	-	-	-	+	+	+	+	+	+
Benzene	+	+	+	+	+	o		+	o
<i>n</i> -Butanol	+	+	o	+	+	+	+	+	+
Cyclohexane	+	+	o	+	+	+	+	+	+
Dichloromethane	+	-	-	+	+	+	-	+	-
Diethyl ether	o	o	+	+	+	+	+	+	o
Dimethylformamide	-	-	+	+	+	-	-	+	+
1,4-Dioxane	-	-	+	+	+	o	-	+	o
Ethanol	-	+	+	+	+	+	+	+	+
Ethyl acetate	-	-	+	+	+	+	+	+	o
Ethylene glycol	o	o	+	+	+	+	+	+	+
Formic acid, 100 %	+	-	-	+	+	+	+	+	+
Hydrochloric acid, 33 %	-	-	-	+	+	+	+	+	+
Methanol	-	-	+	+	+	+	+	+	+
Nitric acid, 65 %	-	-	-	o	o	o		+	-
Oxalic acid, 10 % aqueous	+	-	-	+	+	+		+	+
Petroleum ether	+	+	+	+	+	+	+	+	+
Phosphoric acid, 80 %	-	-	-	+	+	o		+	+
Potassium hydroxyde,	-	-	+	+	+	o	+	+	+
2-Propanol	+	+	+	+	+	+	+	+	+
Sodium hydroxyde, 1 mol/L	-	-	+	+	+	o	o	o	+
Tetrachloromethane	+	-	+	+	+	o		+	o
Tetrahydrofuran	-	-	o	+	+	+	-	+	o
Toluene	+	-	+	+	+	+	+	+	o
Trichloroethene	+	+	o	+	+	+		+	o
Trichloromethane	+	-	-	+	+	+	-	+	-
Urea	+	+	+	+	+	+		+	+
Water	+	+	+	+	+	+	+	+	+
Xylene	+	+	+	+	+	o		+	o

## Chromfil™ Syringe Filter



Microlab Chromfil™ Syringe Filters are syringe-operated filters for the clarification of aqueous solutions (column eluates, tissue culture additives, HPLC samples, etc.). The Classic range is available in all of the major membranes including Nylon, PTFE, PVDF, CA and PES, MCE, GF, Regenerated Cellulose (RC) and PP, which are supplied in 13mm, 25mm formats in virgin medical polypropylene housings.

## Product Feature

1. Diameter: 13mm, 25mm.
2. Multiple layers membranes structure, PP or GF prefilter
3. Long life time suitable for dirty solutions
4. Ultrasonic Melting
5. Replacement of Whatman's Puradisc Syringe Filter

## Technical Specification

Filter Media	Nylon/PTFE/Hydrophilic PTFE/MCE/RC/CA/PES/PVDF/Hydrophilic PVDF
Housing	pp
Diameter(mm)	13, 25
Filtration Area(cm <sup>2</sup> )	1.09, 4.98
Sealing Technology	Injection molding
Pore size(μm)	0.1, 0.22, 0.45, 1.0, 3.0, 5.0
Max. operation pressure	6 bar @ 23°C
Inlet/outlet connections	Female inlet lock/Male outlet slip

## Order Information

Part No.	Membrane	Diameter(mm)	Pore Size(μm)	Packing(pcs/pk)
S13NY022C	NY	13	0.22	100
S13NY045C			0.45	
S25NY022C		25	0.22	
S25NY045C			0.45	

S13PES022C	PES	13	0.22	100
S13PES045C			0.45	
S25PES022C		25	0.22	
S25PES045C			0.45	
S13CA022C	CA	13	0.22	100
S13CA045C			0.45	
S25CA022C		25	0.22	
S25CA045C			0.45	
S13MCE022C	MCE	13	0.22	100
S13MCE045C			0.45	
S25MCE022C		25	0.22	
S25MCE045C			0.45	
S13PTB022C	Hydrophobic PTFE	13	0.22	100
S13PTB045C			0.45	
S25PTB022C		25	0.22	
S25PTB045C			0.45	
S13PTL022C	Hydrophilic PTFE	13	0.22	100
S13PTL045C			0.45	
S25PTL022C		25	0.22	
S25PTL045C			0.45	
S13PVB022C	Hydrophobic PVDF	13	0.22	100
S13PVB045C			0.45	
S25PVB022C		25	0.22	
S25PVB045C			0.45	
S13PVL022C	Hydrophilic PVDF	13	0.22	100
S13PVL045C			0.45	
S25PVL022C		25	0.22	
S25PVL045C			0.45	
S13RC022C	RC	13	0.22	100
S13RC045C			0.45	
S25RC022C		25	0.22	
S25RC045C			0.45	
S13PP022C	PP	13	0.22	100
S13PP045C			0.45	
S25PP022C		25	0.22	
S25PP045C			0.45	
S13GF070C	GF	13	0.70	100
S13GF100C			1.0	
S25GF070C		25	0.70	
S25GF100C			1.0	

## Product Display

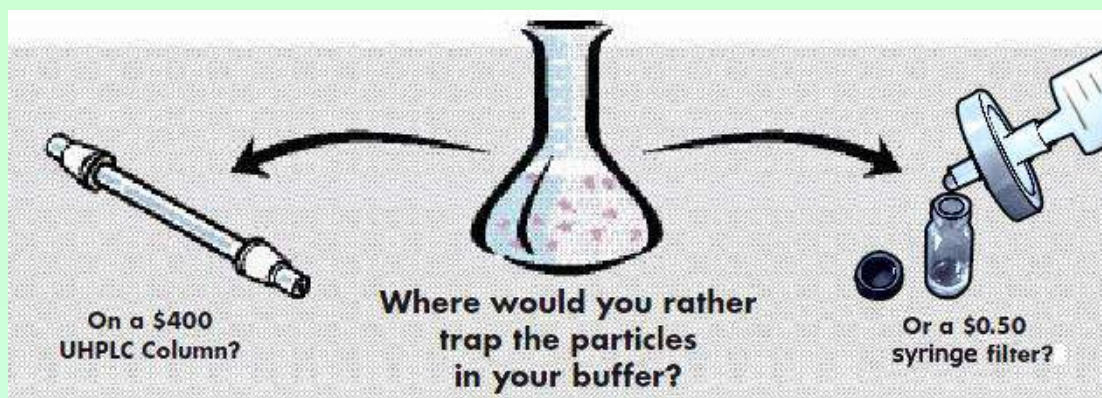






## Chromfil™ Syringe Filter

### Why to use a syringe filter?



**Microlab Chromfil™ Syringe Filters** are syringe-operated filters for the clarification of aqueous solutions (column eluates, tissue culture additives, HPLC samples, etc.). It is offered at a fair and competitive price. It is further to do the beautification appearance on general syringe filters basis and containing high quality membrane materials to make your experiment performance more perfect. Its unique design of gear edge, make the products more beautiful and innovative. The Classic range is available in all of the major membranes including Nylon, PTFE, PVDF, CA and PES, MCE, PP, GF which are supplied in 13mm, 25mm formats in virgin medical polypropylene housings.

### Why choose Chromfil™ Syringe Filter



#### *Reason:*

1. With high-quality Membrane
2. Unique design of gear rim
3. Non-pyrogenic
4. Easier to tell the filter type
5. The same design as Agilent, Phenomenex's Filter

### Feature

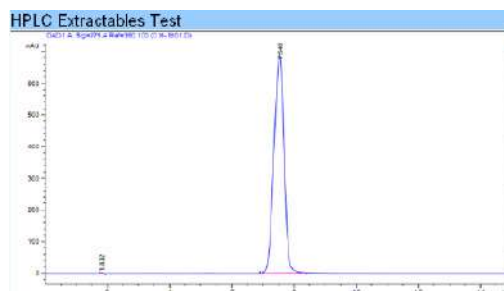
1. HPLC certification which guarantees the filters will not produce extraneous peaks in the UV range.
2. 100% integrity tested with higher burst strength ratings assuring they will perform consistently.
3. Available in 13 and 25mm sizes and available in sterile, too.
4. 0.45µm for most clarification applications and 0.22 µm when fine particulate removal is required. Other pore size are available in 0.8µm-5µm.











## Application:

- HPLC sample preparation
- Routine QC analysis
- Content uniformity
- Removal of protein precipitates
- Dissolution testing
- Food analysis
- Biofuel analysis
- Environmental samples



### Validated HPLC Performance :

Agilent Technologies 1200, Column: C18 UV  
= 254 nm Mob.phase:MeOH/H<sub>2</sub>O:20:80,  
Temperature: 25 °C, Flow rate:0.8ml/min,  
sample:2mg/ml Bergenin(in Methanol)

Standard Sample Pack			
Nylon syringe filter (100pcs)		PTFE syringe filter (100pcs)	
	13mm, 0.22/0.45μm,		13mm, 0.22/0.45μm,
	25mm, 0.22/0.45μm,		25mm, 0.22/0.45μm,
PVDF syringe filter (100pcs)		PES syringe filter (100pcs)	
	13mm, 0.22/0.45μm,		13mm, 0.22/0.45μm,
	25mm, 0.22/0.45μm,		25mm, 0.22/0.45μm,
GF syringe filter (100pcs)		MCE syringe filter (100pcs)	
	13mm, 0.22/0.45μm,		13mm, 0.22/0.45μm,
	25mm, 0.22/0.45μm,		25mm, 0.22/0.45μm,

## Specification

Parameters	13mm		25mm	
Filtration area (cm2)	0.92		2.98	
Normal Pore Size(μm)	0.22	0.45	0.22	0.45
Holdup volume (μl)	<10		<100	
Sample volume (ml)	<10		<120	
Inlet/Outlet	Female luer lock/Male luer slip			
Maximum Operating Temperature	50°C		50°C	
Maximum Operating Pressure (psi)	>87		>87	





## Order Information:

### 13mm syringe filters

Part No.	Membrane	Pore Size( $\mu\text{m}$ )	Diameter(m)	Packing(pcs/pk)
S13NY022C	Nylon	0.22	13	100
S13NY045C		0.45	13	100
S13PTB022C	Hydrophobic PTFE	0.22	13	100
S13PTB045C		0.45	13	100
S13PTL022C	Hydrophilic PTFE	0.22	13	100
S13PTL045C		0.45	13	100
S13PES022C	PES	0.22	13	100
S13PES045C		0.45	13	100
S13PVB022C	PVDF	0.22	13	100
S13PVB045C		0.45	13	100
S13CA022C	CA	0.22	13	100
S13CA045C		0.45	13	100
S13MCE022C	MCE	0.22	13	100
S13MCE045C		0.45	13	100
S13PP022C	PP	0.22	13	100
S13PP045C		0.45	13	100

### 25mm syringe filters

Part No.	Membrane	Pore Size( $\mu\text{m}$ )	Diameter(m)	Packing(pcs/pk)
S25NY022C	Nylon	0.22	25	100
S25NY045C		0.45	25	100
S25PTB022C	Hydrophobic PTFE	0.22	25	100
S25PTB045C		0.45	25	100
S25PTL022C	Hydrophilic PTFE	0.22	25	100
S25PTL045C		0.45	25	100
S25PES022C	PES	0.22	25	100
S25PES045C		0.45	25	100
S25PVB022C	PVDF	0.22	25	100
S25PVB045C		0.45	25	100
S25CA022C	CA	0.22	25	100
S25CA045C		0.45	25	100
S25MCE022C	MCE	0.22	25	100
S25MCE045C		0.45	25	100
S25PP022C	PP	0.22	25	100
S25PP045C		0.45	25	100

# Allfil™ Syringe Filter



Chromatography sample preparation.eneral particulate removal.Particle-laden solutions filtration.

## Product Feature

- 1.Diameter: 13mm, 25mm,30mm.
- 2.Housing Material: PP without any coloradditive
- 3.One lay membrane structure,Low dissolution and Ultra Low Retention both suitable for HPLC and biological filtration.
- 4.Injection molding, high burst pressure

## Technical Specification

Filter Media	Nylon/PTFE/Hydrophilic PTFE/MCE/RC/CA/PES/PVDF/Hydrophilic PVDF
Housing	pp
Diameter(mm)	13,25,30
Filtration Area(cm <sup>2</sup> )	0.92, 2.98, 4.9
Sealing Technology	Injection molding
Pore size(μm)	0.1,0.22,0.45,1.0,3.0,5.0
Max.operation pressure	6 bar@ 23°C
Inlet/outlet connections	Female luer Lock/Male luer slip

## Order Information

Part No.	Membrane	Diameter(mm)	Pore Size(μm)	Packing(pcs/pk)
S13NY022A	NY	13	0.22	100
S13NY045A			0.45	
S25NY022A		25	0.22	
S25NY045A			0.45	

S30NY022A		30	0.22	
S30NY045A			0.45	
S13PES022A	PES	13	0.22	100
S13PES045A			0.45	
S25PES022A		25	0.22	
S25PES045A			0.45	
S30PES022A		30	0.22	
S30PES045A			0.45	
S13CA022A	CA	13	0.22	100
S13CA045A			0.45	
S25CA022A		25	0.22	
S25CA045A			0.45	
S30CA022A		30	0.22	
S30CA045A			0.45	
S13MCE022A	MCE	13	0.22	100
S13MCE045A			0.45	
S25MCE022A		25	0.22	
S25MCE045A			0.45	
S30MCE022A		30	0.22	
S30MCE045A			0.45	
S13PTB022A	Hydrophobic PTFE	13	0.22	100
S13PTB045A			0.45	
S25PTB022A		25	0.22	
S25PTB045A			0.45	
S30PTB022A		30	0.22	
S30PTB045A			0.45	
S13PTL022A	Hydrophilic PTFE	13	0.22	100
S13PTL045A			0.45	
S25PTL022A		25	0.22	
S25PTL045A			0.45	
S30PTL022A		30	0.22	
S30PTL045A			0.45	
S13PVB022A	Hydrophobic PVDF	13	0.22	100
S13PVB045A			0.45	
S25PVB022A		25	0.22	
S25PVB045A			0.45	
S30PVB022A		30	0.22	
S30PVB045A			0.45	
S13PVL022A	Hydrophilic PVDF	13	0.22	100
S13PVL045A			0.45	
S25PVL022A		25	0.22	
S25PVL045A			0.45	
S30PVL022A		30	0.22	
S30PVL045A			0.45	
S13RC022A	RC	13	0.22	100
S13RC045A			0.45	
S25RC022A		25	0.22	
S25RC045A			0.45	
S30RC022A		30	0.22	
S30RC045A			0.45	
S13PP022A	PP	13	0.22	100
S13PP045A			0.45	
S25PP022A		25	0.22	
S25PP045A			0.45	

S30PP022A	GF	30	0.22	100
S30PP045A			0.45	
S13GF070A		13	0.70	
S13GF100A			1.0	
S25GF070A		25	0.70	
S25GF0100A			1.0	
S30GF070A		30	0.70	

# Product Display





## Biofil™ Syringe Filter

Biofil™ syringe filters design with a layer of prefilter. Ideal for filtering the solutions with a high load of particulate matter. All the Syringe filters are well packed, with competitive price filters. The membranes range from Nylon, CA, MCE, PES, PTFE, PVDF, GF, Regenerated Cellulose(RC) to PP, which are supplied in 13mm and 25mm no virgin medical PP housings.

## Product Feature

1. Diameter: 4mm, 13mm, 25mm.
2. Multiple layers membranes structure, PP or GF prefilter
3. Long life time suitable for dirty solutions
4. Ultrasonic Melting
5. Replacement of Whatman's Puradisc Syringe Filter

## Technical Specification

Filter Media	Nylon/PTFE/Hydrophilic PTFE/MCE/RC/CA/PES/PVDF/Hydrophilic PVDF
Housing	pp
Diameter(mm)	4,13,25
Filtration Area(cm <sup>2</sup> )	0.125,1.09,4.08
Sealing Technology	Ultrasonic welding
Pore size(μm)	0.1,0.22,0.45,1.0,3.0,5.0
Max.operation pressure	6 bar@ 23°C
Inlet/outlet connections	Female inlet lock/Male outlet slip

## Order Information

Part No.	Membrane	Diameter(mm)	Pore Size(μm)	Packing(pcs/pk)
S04NY022B	NY	04	0.22	100
S04NY045B			0.45	
S13NY022B		13	0.22	
S13NY045B			0.45	
S25NY022B		25	0.22	

S25NY045B			0.45	
S04PES022B	PES	04	0.22	100
S04PES045B			0.45	
S13PES022B			0.22	
S13PES045B		13	0.45	
S25PES022B			0.22	
S25PES045B		25	0.45	
S04CA022B	CA	04	0.22	100
S04CA045B			0.45	
S13CA022B		13	0.22	
S13CA045B			0.45	
S25CA022B		25	0.22	
S25CA045B			0.45	
S04MCE022B	MCE	04	0.22	100
S04MCE045B			0.45	
S13MCE022B		13	0.22	
S13MCE045B			0.45	
S25MCE022B		25	0.22	
S25MCE045B			0.45	
S04PTB022B	疏水 PTFE	04	0.22	100
S04PTB045B			0.45	
S13PTB022B		13	0.22	
S13PTB045B			0.45	
S25PTB022B		25	0.22	
S25PTB045B			0.45	
S04PTL022B	亲水 PTFE	04	0.22	100
S04PTL045B			0.45	
S13PTL022B		13	0.22	
S13PTL045B			0.45	
S25PTL022B		25	0.22	
S25PTL045B			0.45	
S04PVB022B	疏水PVDF	04	0.22	100
S04PVB045B			0.45	
S13PVB022B		13	0.22	
S13PVB045B			0.45	
S25PVB022B		25	0.22	
S25PVB045B			0.45	
S04PVL022B	亲水PVDF	04	0.22	100
S04PVL045B			0.45	
S13PVL022B		13	0.22	
S13PVL045B			0.45	
S25PVL022B		25	0.22	
S25PVL045B			0.45	
S04RC022B	RC	04	0.22	100
S04RC045B			0.45	
S13RC022B		13	0.22	
S13RC045B			0.45	
S25RC022B		25	0.22	
S25RC045B			0.45	
S04PP022B	PP	04	0.22	100
S04PP045B			0.45	
S13PP022B		13	0.22	
S13PP045B			0.45	
S25PP022B		25	0.22	

S25PP045B			0.45	
S04GF070B	GF	04	0.70	100
S04GF100B			1.0	
S13GF070B			0.70	
S13GF100B		13	1.0	
S25GF070B			0.70	
S25GF100B			1.0	

# Product Display

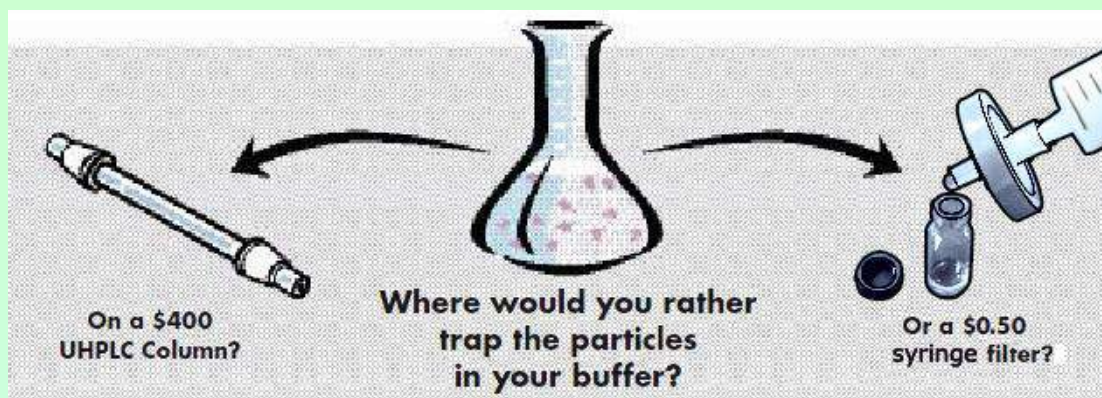






## BioFil™ Syringe Filter

### Why To use a syringe filter?



### Why choose Biofil™ Syringe Filter



#### Futures

1. HPLC certification which guarantees the filters will not produce extraneous peaks in the UV range.
2. 100% integrity tested with higher burst strength ratings assuring they will perform consistently.
3. Suitable for solutions with a high load of particulate matter.
4. Larger handling capacity.
5. Long Life Time.



### How to select your sample preparation device?

**Step 1: Choose the suitable membrane filtration medium** Characteristics of samples

Solutions	Recommended
Solvent Mixtures	Nylon, Hydrophilic PTFE,
Tissue culture Media, Buffers, Protein Analysis/ Biological Samples	CA, PES, MCE, Hydrophilic PVDF
High Particulate Loads	PP,GF, Filter with pre-filter
Aggressive or Pure Organic Solvents	Hydrophobic PTFE, PVDF

#### Step2: choose the suitable diameter

Volume of samples	Recommend
<10ml	13mm
<100ml	25mm

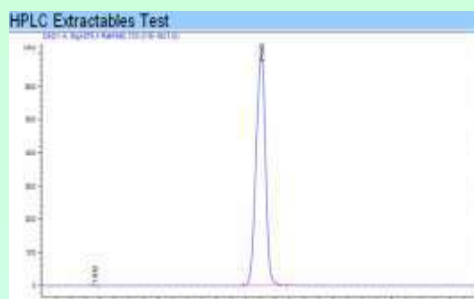


## Step 3: Choose the suitable pore size based on the nature of your sample

- Removal of high particulate matter with a pre filter is critical before any drug, toxic, or dirty environmental sample is filtered to ensure the highest syringe filter membrane performance.
- Generally, 0.45  $\mu\text{m}$  porosity filters are used to remove particulates from samples and mobile phase solutions. For Sterile-filtration, a 0.20  $\mu\text{m}$  porosity filter can be used.



Bioyfil™ syringe filters design with a layer of prefilter. Ideal for filtering the solutions with a high load of particulate matter. All the Syringe filters are well packed, with competitive price filters. The membranes range from Nylon, CA, MCE, PES, PTFE, PVDF to PP, which are supplied in 13mm and 25mm no virgin medical PP housings.

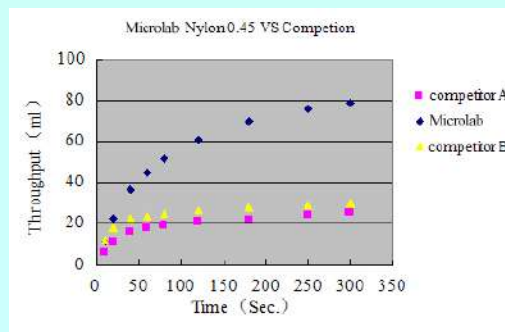
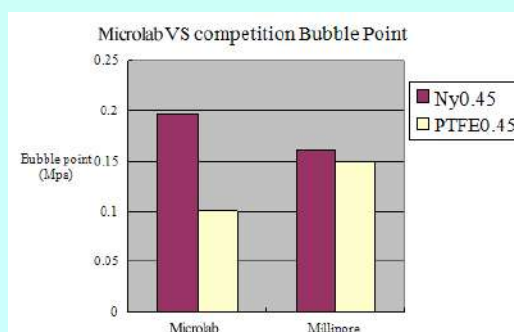


Test Method:

Agilent Technologies 1200, Column: C18 UV = 254 nm Mob.phase:MeOH/H<sub>2</sub>O:20:80, Temperature: 25 °C, Flow rate:0.8ml/min, sample:2mg/ml Bergenin(in Methanol)

## Specification

Parameters	13mm		25mm	
Filtration area (cm2)	0.92		3.9	
Normal Pore Size(μm)	0.22	0.45	0.22	0.45
Holdup volume (μl)	<10		<100	
Sample volume (ml)	<10		<120	
Inlet/Outlet	Female luer lock/Male luer slip			
Maximum Operating Temperature	50°C		50°C	
Maximum Operating Pressure (psi)	>87		>87	





## Order Information

### 13mm syringe filters

Part No.	Membrane	Pore Size( $\mu\text{m}$ )	Diameter (mm)	Packing (pcs/pk)
S13NY022B	Nylon	0.22	13	100
S13NY045B		0.45	13	100
S13PTB022B	Hydrophobic PTFE	0.22	13	100
S13PTB045B		0.45	13	100
S13PTL022B	Hydrophilic PTFE	0.22	13	100
S13PTL045B		0.45	13	100
S13PES022B	PES	0.22	13	100
S13PES045B		0.45	13	100
S13PVB022B	PVDF	0.22	13	100
S13PVB045B		0.45	13	100
S13CA022B	CA	0.22	13	100
S13CA045B		0.45	13	100
S13MCE022B	MCE	0.22	13	100
S13MCE045B		0.45	13	100
S13PP022B	PP	0.22	13	100
S13PP045B		0.45	13	100

### 25mm Syringe Filters

Part No.	Membrane	Pore Size( $\mu\text{m}$ )	Diameter (mm)	Packing (pcs/pk)
S25NY022B	Nylon	0.22	25	100
S25NY045B		0.45	25	100
S25PTB022B	Hydrophobic PTFE	0.22	25	100
S25PTB045B		0.45	25	100
S25PTL022B	Hydrophilic PTFE	0.22	25	100
S25PTL045B		0.45	25	100
S25PES022B	PES	0.22	25	100
S25PES045B		0.45	25	100
S25PVB022B	PVDF	0.22	25	100
S25PVB045B		0.45	25	100
S25CA022B	CA	0.22	25	100
S25CA045B		0.45	25	100
S25MCE022B	MCE	0.22	25	100
S25MCE045B		0.45	25	100
S25PP022B	PP	0.22	25	100
S25PP045B		0.45	25	100



## Easyfil™ Syringe Filter

Easyfil™ syringe filters are well packed, with competitive price filters. The membranes range from Nylon, CA, MCE, PES, PTFE, PVDF, GF, RC to PP, which are supplied in 13mm and 25mm no virgin medical PP housings.

## Product Feature

1. Diameter: 13mm&25mm
2. Color coding with printing easy to identification
3. One lay membrane structure, low dissolution suitable for HPLC
4. Injection molding, high burst pressure
5. Replacement of Agilent's ValueLab Syringe Filter

## Technical Specification

Filter Media	Nylon/PTFE/Hydrophilic PTFE/MCE/RC/CA/PES/PVDF/Hydrophilic PVDF
Housing	pp
Diameter(mm)	13,25
Filtration Area(cm <sup>2</sup> )	1.09,2.98
Sealing Technology	Injection molding
Pore size(μm)	0.1,0.22,0.45,1.0,3.0,5.0
Max.operation pressure	6 bar@ 23°C
Inlet/outlet connections	Female inlet lock/Male outlet slip

## Order Information

Part No.	Membrane	Diameter(mm)	Pore Size(μm)	Packing(pcs/pk)
S13NY022E	Nylon	13	0.22	100
S13NY045E			0.45	
S25NY022E		25	0.22	
S25NY045E			0.45	
S13PES045E	PES	13	0.22	100

S13PES045E			0.45	
S25PES022E		25	0.22	
S25PES045E			0.45	
S13CA045E	CA	13	0.22	100
S13CA045E			0.45	
S25CA022E		25	0.22	
S25CA045E			0.45	
S13MCE022E	MCE	13	0.22	100
S13MCE045E			0.45	
S25MCE022E		25	0.22	
S25MCE045E			0.45	
S13PTB022E	Hydrophobic PTFE	13	0.22	100
S13PTB045E			0.45	
S25PTB022E		25	0.22	
S25PTB045E			0.45	
S13PTL022E	Hydrophilic PTFE	13	0.22	100
S13PTL045E			0.45	
S25PTL022E		25	0.22	
S25PTL045E			0.45	
S13PVB022E	Hydrophobic PVDF	13	0.22	100
S13PVB045E			0.45	
S25PVB022E		25	0.22	
S25PVB045E			0.45	
S13PVL022E	Hydrophilic PVDF	13	0.22	100
S13PVL045E			0.45	
S25PVL022E		25	0.22	
S25PVL045E			0.45	
S13RC022E	RC	13	0.22	100
S13RC045E			0.45	
S25RC022E		25	0.22	
S25RC045E			0.45	
S13PP022E	PP	13	0.22	100
S13PP045E			0.45	
S25PP022E		25	0.22	
S25PP045E			0.45	

## Product Display



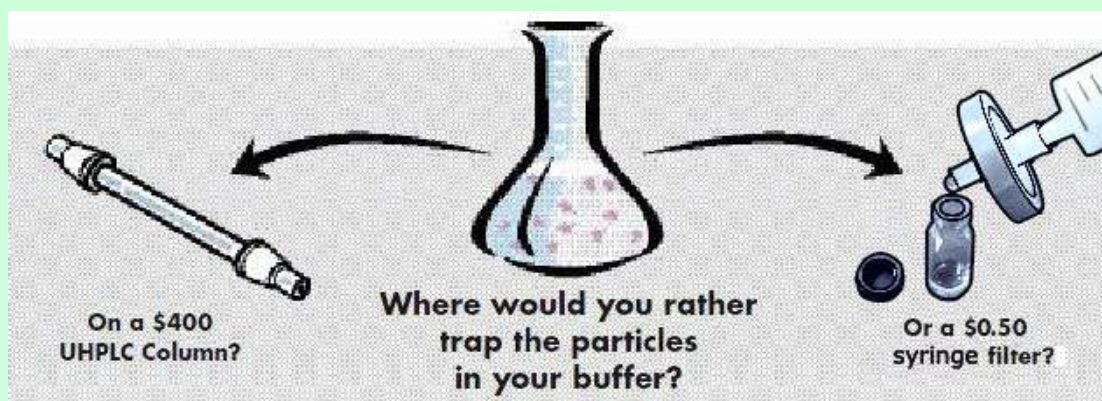






## EasyFil™ Syringe Filter

### Why To use a syringe filter?



### How to select your sample preparation device?

**Step 1: Choose the suitable membrane filtration medium** Characteristics of samples

Solutions	Recommended
Solvent Mixtures	Nylon, Hydrophilic PTFE,
Tissue culture Media, Buffers, Protein Analysis/ Biological Samples	CA, PES, MCE, Hydrophilic PVDF
High Particulate Loads	PP,GF, Filter with pre-filter
Aggressive or Pure Organic Solvents	Hydrophobic PTFE, PVDF

**Step2: choose the suitable diameter**

Volume of samples	Recommend
<10ml	13mm
<100ml	25mm

**Step 3: Choose the suitable pore size based on the nature of your sample**

- Removal of high particulate matter with a pre filter is critical before any drug, toxic, or dirty environmental sample is filtered to ensure the highest syringe filter membrane performance.
- Generally, 0.45  $\mu\text{m}$  porosity filters are used to remove particulates from samples and mobile phase solutions. For Sterile-filtration, a 0.20  $\mu\text{m}$  porosity filter can be used.





MCE, PES, PTFE, PVDF to PP, which are supplied in 13mm and 25mm no virgin medical PP housings.

Easyfil™ syringe filters are well packed, with competitive price filters. The membranes range from Nylon, CA,

**S 13 NY 022 -E**

E: EasyFil

Pore size: 0.22μm

Membrane Material: Nylon

Diameter: 13mm

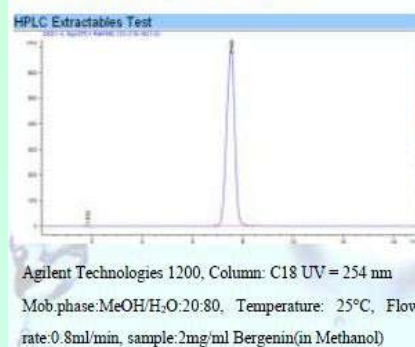
S: Syringe Filter

## Features

- Color coding of each unit for easy identification
- Added sample distribution ring
- Resistance high pressure
- Only Layer Membrane Structure, less dissolution content
- Passed HPLC Test



## Validated HPLC Performance



## Specification

Parameters	13mm		25mm	
Filtration area (cm2)	0.92		2.98	
Normal Pore Size(μm)	0.22	0.45	0.22	0.45
Holdup volume (μl)	<10		<100	
Sample volume (ml)	<10		<120	
Inlet/Outlet	Female luer lock/Male luer slip			
Maximum Operating Temperature	50°C		50°C	
Maximum Operating Pressure (psi)	>87		>87	



## Order Information:



Nylon Syringe Filter

- Hydrophilic property
- Uniform aperture
- Excellent chemical stability and flexibility, durable
- Suitable for filtration of aqueous and most organic solvents
- Compatibility with various sterilizing methods

Part No	Diameter	Pore Size	Wettability	Package	Package
S13NY022E	13mm	0.22	Hydrophilic	100pcs/box	1000/bag
S13NY045E	13mm	0.45	Hydrophilic	100pcs/box	1000/bag
S25NY022E	25mm	0.22	Hydrophilic	100pcs/box	1000/bag
S25NY045E	25mm	0.45	Hydrophilic	100pcs/box	1000/bag

- Strong Hydrophobic property
- Broad solvent chemical compatibility
- Excellent particle retention
- Suitable for filtration all Organic solutions, even for acetone, DMSO, THF, etc. and Gas filtration
- Compatibility with various sterilizing methods
- Normally used with pH range 1-14



PTFE Syringe Filter  
Hydrophobic

Part No	Diameter	Pore Size	Wettability	Package	Package
S13PTB022E	13mm	0.22	Hydrophobic	100pcs/box	1000/bag
S13PTB045E	13mm	0.45	Hydrophobic	100pcs/box	1000/bag
S25PTB022E	25mm	0.22	Hydrophobic	100pcs/box	1000/bag
S25PTB045E	25mm	0.45	Hydrophobic	100pcs/box	1000/bag



PVDF Syringe Filter  
Hydrophobic

- Hydrophobic property
- High mechanical and tensile strength
- Broad chemical and temperature resistance
- Suitable for the filtration of gas, steam and high temperature liquids.
- Compatibility with various sterilizing methods
- Normally used with pH range 2-13.

Part No	Diameter	Pore Size	Wettability	Package	Package
S13PVB022E	13mm	0.22	Hydrophobic	100pcs/box	1000/bag
S13PVB045E	13mm	0.45	Hydrophobic	100pcs/box	1000/bag
S25PVB022E	25mm	0.22	Hydrophobic	100pcs/box	1000/bag
S25PVB045E	25mm	0.45	Hydrophobic	100pcs/box	1000/bag



- Hydrophilic property
- High flow rate and high Throughputs
- Low protein binding
- Low in extractables,
- Suitable for removing small particles, bacteria, viruses and
- fungi from aqueous phase.
- Normally used with PH 3-12.



PES Syringe Filter

Part No	Diameter	Pore Size	Wettability	Package	Package
S13PES022E	13mm	0.22	Hydrophilic	100pcs/box	1000/bag
S13PES045E	13mm	0.45	Hydrophilic	100pcs/box	1000/bag
S25PES022E	25mm	0.22	Hydrophilic	100pcs/box	1000/bag
S25PES045E	25mm	0.45	Hydrophilic	100pcs/box	1000/bag



CA Syringe Filter

- Hydrophilic property
- Low protein binding: suitable for aqueous protein solutions
- Nitrate free: suitable for groundwater filtration
- Quiet uniform pore size structure
- Extensive pore size specification
- Cell retention and particle collection

Part No	Diameter	Pore Size	Wettability	Package	Package
S13CA022E	13mm	0.22	Hydrophilic	100pcs/box	1000/bag
S13CA045E	13mm	0.45	Hydrophilic	100pcs/box	1000/bag
S25CA022E	25mm	0.22	Hydrophilic	100pcs/box	1000/bag
S25CA045E	25mm	0.45	Hydrophilic	100pcs/box	1000/bag

- Special treated PTFE with Hydrophilic property
- Broad chemical resistance,
- Excellent particle retention
- Compatibility with various sterilizing methods
- Suitable for filtration all solutions, even for acetone, DMSO, THF, etc.
- Normally used with pH range 1-14



PTFE Syringe Filter  
(Hydrophilic)



Part No	Diameter	Pore Size	Wettability	Package	Package
S13PTL022E	13mm	0.22	Hydrophilic	100pcs/box	1000/bag
S13PTL045E	13mm	0.45	Hydrophilic	100pcs/box	1000/bag
S25PTL022E	25mm	0.22	Hydrophilic	100pcs/box	1000/bag
S25PTL045E	25mm	0.45	Hydrophilic	100pcs/box	1000/bag



MCE Syringe Filter

- Better hydrophilic property
- Low protein binding
- Great water flux and better cutoff effect
- Ideal for aqueous based samples, tissue culture and sensitive biological samples
- Has a lower chemical resistance
- Autoclave: sterilized by dry heat at 121°C for 15 mins

Part No	Diameter	Pore Size	Wettability	Package	Package
S13MCE022E	13mm	0.22	Hydrophilic	100pcs/box	1000/bag
S13MCE045E	13mm	0.45	Hydrophilic	100pcs/box	1000/bag
S25MCE022E	25mm	0.22	Hydrophilic	100pcs/box	1000/bag
S25MCE045E	25mm	0.45	Hydrophilic	100pcs/box	1000/bag

- Hydrophobic property
- 100% polypropylene construction
- Excellent for difficult-to-filter dissolution samples
- Acid and base resistant
- Wide Chemical compatibility with solvents
- High throughput for viscous samples



PP Syringe Filter

Part No	Diameter	Pore Size	Wettability	Package	Package
S13PP022E	13mm	0.22	Hydrophilic	100pcs/box	1000/bag
S13PP045E	13mm	0.45	Hydrophilic	100pcs/box	1000/bag
S25PP022E	25mm	0.22	Hydrophilic	100pcs/box	1000/bag
S25PP045E	25mm	0.45	Hydrophilic	100pcs/box	1000/bag

Note: More Pore Sizes are available.



## Chemical Compatibility Table

Note: **+**:Resistant    **o**: Limited Resistant    **-**: Not Resistant

Solvent	MCE	CA	NY	PTFE	H-PTF	PVDF	PES	GF	PP
Acetaldehyde	-	-	o	+	+	+		+	o
Acetic acid, 100 %	-	-	-	+	+	+	+	+	+
Acetone	-	-	+	+	+	-	-	+	+
Acetonitrile	-	-	+	+	+	+	+	+	+
Ammonia, 25 %	-	-	-	+	+	+	+	+	+
Benzene	+	+	+	+	+	o		+	o
<i>n</i> -Butanol	+	+	o	+	+	+	+	+	+
Cyclohexane	+	+	o	+	+	+	+	+	+
Dichloromethane	+	-	-	+	+	+	-	+	-
Diethyl ether	o	o	+	+	+	+	+	+	o
Dimethylformamide	-	-	+	+	+	-	-	+	+
1,4-Dioxane	-	-	+	+	+	o	-	+	o
Ethanol	-	+	+	+	+	+	+	+	+
Ethyl acetate	-	-	+	+	+	+	+	+	o
Ethylene glycol	o	o	+	+	+	+	+	+	+
Formic acid, 100 %	+	-	-	+	+	+	+	+	+
Hydrochloric acid, 30 %	-	-	-	+	+	+	+	+	+
Methanol	-	-	+	+	+	+	+	+	+
Nitric acid, 65 %	-	-	-	o	o	o		+	-
Oxalic acid, 10 % aqueous	+	-	-	+	+	+		+	+
Petroleum ether	+	+	+	+	+	+	+	+	+
Phosphoric acid, 80 %	-	-	-	+	+	o		+	+
Potassium hydroxyde,	-	-	+	+	+	o	+	+	+
2-Propanol	+	+	+	+	+	+	+	+	+
Sodium hydroxyde, 1 mol/L	-	-	+	+	+	o	o	o	+
Tetrachloromethane	+	-	+	+	+	o		+	o
Tetrahydrofuran	-	-	o	+	+	+	-	+	o
Toluene	+	-	+	+	+	+	+	+	o
Trichloroethene	+	+	o	+	+	+		+	o
Trichloromethane	+	-	-	+	+	+	-	+	-
Urea	+	+	+	+	+	+		+	+
Water	+	+	+	+	+	+	+	+	+
Xylene	+	+	+	+	+	o		+	o



## Vent Filter

50mm Vent Filters are sterilizing filter for Venting and Liquid Solutions. It removes microorganisms, particles, precipitates, and undissolved powders larger than nominal pore size such as 0.22µm. The special construction allows minimal hold-up volume and particle shedding, making Vent Filters ideally suited for the critical needs of the pharmaceutical and biotechnology industries.

## Product Feature

1. Diameter: 50mm.
2. Reusable, autoclavable, ideal for use with bioreactors and fermenters
3. Have broad chemical resistance
4. Large surface area provides greater throughput and permits higher air flow rates

## Technical Specification

Filter Media	Nylon/PTFE/Hydrophilic PTFE/MCE/RC/CA/PES/PVDF/Hydrophilic PVDF
Housing	pp
Diameter(mm)	50
Filtration Area(cm <sup>2</sup> )	≥0.021
Pore size(µm)	0.22,0.45
Max.operation pressure	Forward:3.5bar@23°C and 3.0 bar@60°C for liquid; 3 bar@23°C and 2.5 bar @60°C for air&gas.
Inlet/outlet connections	7~13mm stepped hose barb connection with 6 : 100 luer slip
Sealing Technology	Thermal bonding, No adhesives
Sterilization	By EO or 3 autoclave cycles of 30 min at 123°C

## Order Information

Part No.	Membrane	Diameter(mm)	Pore Size(µm)	Packing(pcs/pk)
S50NY022	NY	50	0.22	100

S50NY045			0.45	
S50PES022	PES	50	0.22	100
S50PES045			0.45	
S50CA022	CA	50	0.22	100
S50CA045			0.45	
S50PTB022	Hydrophobic PTFE	50	0.22	100
S50PTB045			0.45	
S50PTL022	Hydrophilic PTFE	50	0.22	100
S50PTL045			0.45	
S50PVB022	Hydrophobic PVDF	50	0.22	100
S50PVB045			0.45	
S50PVL022	Hydrophilic PVDF	50	0.22	100
S50PVL045			0.45	



# Filter Series

## Vent Filter



### Introduction

50mm vent filters are sterilizing filter for venting and liquid solutions.

### Application

- ▶ Sterile venting of carboys, filling vessels, fermentation tanks, bioreactors.
- ▶ Protect pump components from liquid damage by using between a pump and receiving vessel.
- ▶ Chromatography solutions.

## Technical Specification

Filter Media	PTFE/ PES/Nylon66 /PP/GF/PVDF
Housing	PP
Diameter	50mm
Pore Size, $\mu\text{m}$	0.22 $\mu\text{m}$ , 0.45 $\mu\text{m}$
Sealing Technology	Thermal Bonding, No Adhesives
Filtration Area	$\geq 0.021\text{ft}^2$
Inlet/Outlet Connections	7~13 mm stepped hose barb connection with 6:100 Luer slip
Max.Operation Pressure	Forward: 3.5 bar @ 23°C and 3.0 bar @ 60°C for liquid; 3.0 bar @ 23°C and 2.5 bar @ 60°C for air & gas.
Sterilization	By EO or 3 autoclave cycles of 30 min at 123°C

## Order Information

Pore Size	Nylon	CA	PTFE	Hydrophilic PTFE	PVDF	Hydrophilic PVDF	PES
0.22	S50NY022	S50CA022	S50PTB022	S50PTL022	S50PVB022	S50PVL022	S50PES022
0.45	S50NY045	S50CA045	S50PTB045	S50PTL045	S50PVB045	S50PVL045	S50PES045

PS: 1. Diameter:50mm;package:25pcs/pk.  
2.Other pore size and Filter Media is available.

## Reusable Filter holder

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Microlab Reusable Filter holders are design for Membrane Filters with diameter ranges from 13mm to 300mm. Both Plastic filter holder and Stainless steel Filter are available. Variety connection design are suitable for laboratory and industrial filtration.

## Product Feature

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1. Plastic Filter holder made of Pure PP.
2. Stainless Steel Filter holder made of 304L/316L stainless steel.

## Product Introduction

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Reusable filter holders are an important component in laboratory and industrial filtration processes. Designed for membrane filters with diameters ranging from 13 mm to 300 mm, these holders provide a versatile and cost-effective solution for a variety of filtration applications. Reusable filter holders, available in plastic and stainless steel, offer durability and flexibility for a variety of connection designs, making them a valuable asset in your filtration process.



Plastic filter holders are made from pure PP, providing a lightweight and durable option for your filtration needs. Its chemical resistance and compatibility with a wide range of solvents make it ideal for laboratory environments. Additionally, stainless steel filter holders made of 304L/316L stainless steel provide a sturdy and durable solution for industrial filtration requirements. Its corrosion resistance and high temperature resistance make it suitable for demanding filtration processes.

The versatility of the reusable filter holder extends to compatibility with membrane filters of different diameters, allowing for seamless integration into different filtration installations. Whether it is a small laboratory experiment or a large-scale industrial

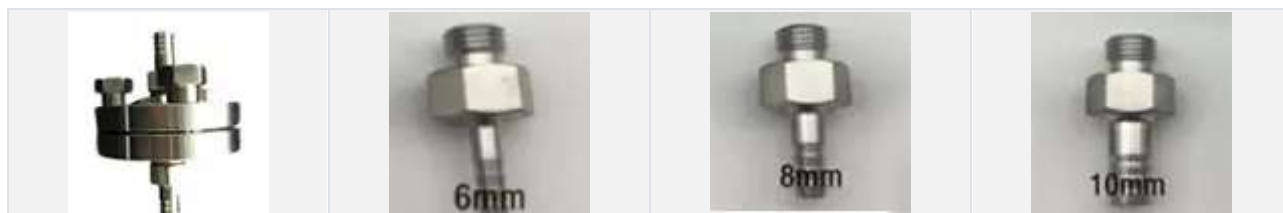
filtration operation, these holders can accommodate a variety of filter sizes, providing adaptability and convenience to the user. In addition, different connection designs meet specific filtration system requirements, ensuring suitability for different applications.

Reusable filter holders are a key component for laboratory and industrial filtration, offering a range of benefits such as durability, compatibility with different filter sizes, and versatility in connection design. Whether lightweight and chemically resistant plastic filter holders or rugged and corrosion-resistant stainless steel filter holders, these reusable holders provide a reliable and cost-effective solution to your filtration needs. Able to accommodate different membrane filter diameters and connection designs, they play a key role in improving the efficiency and effectiveness of filtration processes across industries.

## Syringe Filter holder

Photo	P/N	Material	Diameter	Connection	Package
	SFH013P	pp	13	Inlet: Luer Slip Outlet: Luer Slip	1
	SFH025P	pp	25	Inlet: Luer Slip Outlet: Luer Slip	1
	SFH050P	pp	50	Inlet: Luer Slip Outlet: Luer Slip	1
	SFH013S	316L	13	Inlet: Luer Lock Outlet: Luer Slip	1
	SFH025S	316L	25	Inlet: Luer Lock Outlet: Luer Slip	1
	SFH050S	316L	50	Inlet: Luer Lock Outlet: Luer Slip	1

## 50mm Filter holder for tubes



## Order Information

P/N	Material	Diameter	Connection	Package
SFH0506S	316L	50	Inlet/Outlet: 6mm Hosebarb For inner dia. 4~5mm tube	1
SFH0508S	316L	50	Inlet/Outlet: 8mm Hosebarb For inner dia. 6~7mm tube	1
SFH05010S	316L	50	Inlet/Outlet: 10mm Hosebarb For inner dia. 8~9mm tube	1

## Big Filter holder

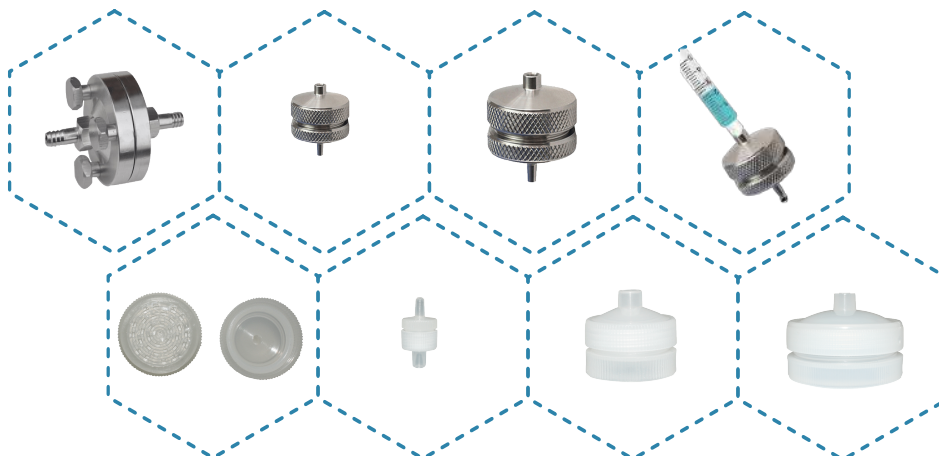
Photo	PN	Material	Size	Layers	Connection	Package
	SFH150SS	316L	φ150mm	Single layer	Inlet/Outlet: 10mm Hosebarb for inner dia. 8~9mm tube	1
	SFH300SS	316	φ300mm	Single layer	Inlet/Outlet: 10mm Hosebarb for inner dia. 8~9mm tube	1
	SFH150DS	316L	φ150mm φ300mm	Double Layers	Inlet/Outlet: 10mm Hosebarb For inner dia. 8~9mm tube	1
	SFH300DS	316L	φ150mm φ300mm	Double Layers	Inlet/Outlet: 10mm Hosebarb For inner dia. 8~9mm tube	1

# Filter Series

## Reusable Syringe Filter Holder

### Introduction

- ▶ Plastic syringe filter holder made of pure polypropylene.
- ▶ Stainless steel syringe filter holder made of 316L stainless steel.



### Order Information

P/N	Description		Packing
SFH013P	Reusable Syringe Filter Holder, PP Dia. 13mm		10
SFH025P	Reusable Syringe Filter Holder, PP Dia. 25mm		10
SFH050P	Reusable Syringe Filter Holder, PP Dia. 50mm		10
SFH013S	Reusable Syringe Filter Holder, 316L Stainless Steel	Dia. 13mm	1
SFH025S	Reusable Syringe Filter Holder, 316L Stainless Steel	Dia. 25mm	1
SFH047S	Reusable Syringe Filter Holder, 316L Stainless Steel	Dia. 47mm	1

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