

About Hawach Scientific

Hawach is a modern enterprise, contains well integration of R&D, production, sales and after -sales service. Hawach located at Xi'an High-Tech development Zone, which is one of the five national level High-Tech development Zones with plant covers a production workshop area of 8000m^2 , with 4000m^2 of clean room. We have International advanced level of production lines to produce microporous Membrane Filters, Syringe Filter, Sample Vials, Septa and Caps, along with Filter Paper, Vacuum Pumps and manifolds etc.

Hawach Scientific never stop upgrading our technique, corporate with many famous universities including Northwestern Polytechnical Universities, Xi'an University of Technology, and Shaanxi University of Science and Technology. Hawach has established laboratory analysis institute, research and development center etc.

In Hawach Scientific, quality always comes first, in the very beginning, Hawach started to learn world advanced production technology and experience, especially quality control testing laboratory. We have ultraviolet absorption detector (UVD), liquid chromatography, integrity tester, flow rate tester, dielectric strength tester, heating plate, laser particle counter etc. After production, all articles are delivered to QC center, only qualified products can be to the next procedure.

Today, we are happy to see our products exported to the United States, Korea, UK, Germany, Dubai, Israel and Mexico. The quality and service of our products receive consistent approval from customers.

Hawach's philosophy is "always high demand, cooperation make success", Hawach Scientific's mission is "one-stop laboratory solution", By joint efforts of Hawach's employee, business partners and customers, we believe Hawach can



be a leader of laboratory industry.



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Syringe Filters

Hawach Series Syringe Filter

Hawach syringe filter units are used for small volume filtration of liquids, gas and other material-specified applications and the best choice to raise your filtration standards. They are designed to provide filtration fast, efficient, effective and easy with different membrane including Nylon, PTFE, Hydrophilic PTFE, PES and Hydrophilic PVDF in both sterile and non-sterile varieties. They are made of extractable free virgin polypropylene housings standard inlet Female Luer Lock and outlet Male Luer Slip connections unless otherwise stated. Options include different diameters, membrane types, sterile filters in blister packs for critical applications.



Features

- * Female Luer-Lock inlet and Male-Luer Slip outlet.
- * Both Non-sterile and Individual packed Sterile syringe filters are available.
- * Pore size of filter media are available from 0.22µm, 0.45µm.
- * Housing Diameter can be choose from 4mm, 13mm,25mm.
- * Special bulk package of 1000pcs/pk also available.

Hawach Series Syringe Filters Features and Application

Filter Media	Nylon/PTFE/PTFE L/PES/PVDF L/CA/MCE			
Pore Size, µm	0.22μm, 0.45μm			
Diameter	13mm 25mm			
Housing	Medical PP	Medical PP		



Filtration Anna	0.052	0.00003		
Filtration Area	0.65cm ²	3.9cm ²		
Maximum Operating Pressure	7.0bar	5.2bar		
Process Volume	10ml	100ml		
Hold-up Volume	< 50ul	<100ul		
Inlet	Female Luer Lock	Female Luer Lock		
Outlet	Male Luer Slip	Male Luer Slip		
Flow Direction	Flow should enter from the inlet			
Maximum Operating Temperature	45 ℃			
Sterilization	Autoclave at 121℃ at 1 bar for 20 minutes/EO/Gamma			

*Nylon/Polyamide(NY)

Very pure membrane with very low levels of extractables - it is mechanically very strong and can be used in many different applications. The Nylon filter membrane undergoes extensive testing before it is encapsulated to ensure that the level of extractables is unsurpassed

* Polytetrafluoroethylene (PTFE)

Hydrophobic membrane chemically resistant to virtually all solvents and can be used for working with aggressive media such as Strong acids and bases. PTFE is hydrophobic and requires pre-wetting (normally by using a small amount of alcohol) before being used with aqueous samples. PTFE filters can also be used to prevent moisture passing through air vents.

*Hydrophilic Polytetrafluoroethylene (PTFE L)

Hydrophilic unsupported membrane that ideal for HPLC and mixtures of aqueous and organic solvents. Use with both aqueous and organic solvents, along with their mixtures.

*Hydrophilic Polyvinylidene Difluoride (PVDF)

Hydrophilic membrane provides high flow rates & throughput, low extractables broad chemical compatibility and bind far less protein than nylon, nitrocellulose or PTFE membranes.

* Polytetrafluoroethylene (PES)

Hydrophilic membrane with low affinity for proteins and extractable with substantially faster flow rates than PVDF, suitable for pre-filtration and filtration of buffers and culture media.

* Cellulose Acetate (CA)

Hydrophilic membrane. Limited solvent resistance. Very low protein binding capacity, which makes it an excellent



choice for protein recovery applications.

* Mixed Cellulose Esters (MCE)

Hydrophilic MCE membranes. Biologically inert mixture of Cellulose Acetate and Cellulose Nitrate membranes which have higher protein binding than CA for most proteins.

Choosing Your Syringe Filter

Choosing the Proper Pore Size				
Cleaning Operation Optimal Pore Size				
Sterile Filtration	0.22um			

Choosing the Proper Diameter					
Filter Diameter	Volume to be Filtered				
13mm	10ul - 50ul				
25mm	50ul - 100ul				
Choosing the Pr	Choosing the Proper Membrane				
Filter Media	Liquid to be Filtered				
Aqueous	Nylon,PTFE L,CA,PES,PVDF L,MCE				
Organic Solvent	Nylon,PTFE L,PTFE				
Mixed Solvent	Nylon, PTFE L				
Thorough Cleaning	0.45um				



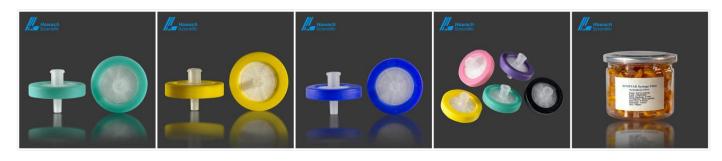
Description	μm	Ф mm	Part No.	Pcs/pk
Hydrophilic PVDF				
Hydrophilic PVDF,Female Luer Lock ,Non-sterile	0.22	13	HPV1322NL	100
Hydrophilic PVDF,Female Luer Lock ,Non-sterile	0.45	13	HPV1345NL	100
Hydrophilic PVDF,Female Luer Lock ,Non-sterile	0.22	25	HPV2522NL	100
Hydrophilic PVDF,Female Luer Lock ,Non-sterile	0.45	25	HPV2545NL	100
Hydrophobic PTFE				
Hydrophobic PTFE,Female Luer Lock ,Non-sterile	0.22	13	HPT1322NB	100
Hydrophobic PTFE,Female Luer Lock ,Non-sterile	0.45	13	HPT1345NB	100
Hydrophobic PTFE,Female Luer Lock ,Non-sterile	0.22	25	HPT2522NB	100
Hydrophobic PTFE,Female Luer Lock ,Non-sterile	0.45	25	HPT2545NB	100
Hydrophilic PTFE				
Hydrophilic PTFE,Female Luer Lock ,Non-sterile	0.22	13	HPT1322NL	100
Hydrophilic PTFE,Female Luer Lock ,Non-sterile	0.45	13	HPT1345NL	100
Hydrophilic PTFE,Female Luer Lock ,Non-sterile	0.22	25	HPT2522NL	100
Hydrophilic PTFE,Female Luer Lock ,Non-sterile	0.45	25	HPT2545NL	100
Hydrophilic Nylon				
Nylon, Female Luer Lock ,Non-sterile	0.22	13	HNY1322N	100
Nylon, Female Luer Lock ,Non-sterile	0.45	13	HNY1345N	100
Nylon, Female Luer Lock ,Non-sterile	0.22	25	HNY2522N	100
Nylon, Female Luer Lock ,Non-sterile	0.45	25	HNY2545N	100
Hydrophilic PES				
PES, Female Luer Lock ,Non-sterile	0.22	13	HPES1322N	100
PES, Female Luer Lock ,Non-sterile	0.45	13	HPES1345N	100
PES, Female Luer Lock ,Non-sterile	0.22	25	HPES2522N	100
PES, Female Luer Lock ,Non-sterile	0.45	25	HPES2545N	100



Hydrophilic MCE				
MCE, Female Luer Lock ,Non-sterile	0.22	13	HMCE1322N	100
MCE, Female Luer Lock ,Non-sterile	0.45	13	HMCE1345N	100
MCE, Female Luer Lock ,Non-sterile	0.22	25	HMCE2522N	100
MCE, Female Luer Lock ,Non-sterile	0.45	25	HMCE2545N	100
Hydrophilic CA				
CA, Female Luer Lock ,Non-sterile	0.22	13	HCA1322N	100
CA, Female Luer Lock ,Non-sterile	0.45	13	HCA1345N	100
CA, Female Luer Lock ,Non-sterile	0.22	25	HCA2522N	100
CA, Female Luer Lock ,Non-sterile	0.45	25	HCA2545N	100

WINSTAR Series Syringe Filter

WINSTAR Series Syringe Filters units are used for small volume filtration of liquids, gas and other material-specific applications. They are made of extractable free virgin polypropylene housings with female luer lock and male luer slip fittings. New sealing ring design make itself for high operating pressure and faster filtration. They are produced to exceptional quality standards and eliminate common problems such as leaks and filter 'blow off'. Colour ring help identify membrane type inside easily. These syringe filters are ideal for applications in pharmaceutical, environmental, biotechnology, food, beverage and agricultural testing laboratories.



Features

- * Easy to identify- the color coded band on housing clearly indicates the membrane material
- * Pressure rated to 90psi for unsurpassed integrity
- * Sealing ring minimizes bursting and leakage
- * Pore size of filter media are available from 0.22µm, 0.45µm
- * Universal Luer lock/luer slip design for versatility and maximum operational safety
- * Chemically resistant polypropylene housing
- * Maximum filtration area ensure uniformity and speed due to sample distribution rings
- * Low extractable levels generate interference free date
- * Unequivocal re-producibility across all filters and lots

WINSTAR Series Syringe Filter Features and Application

Filter Media	Nylon /PTFE /PES /PTFEL/ PVDF/ PVDF L
Pore Size, μm	0.22μm, 0.45μm



Diameter	13mm	25mm		
Housing	PP	PP		
Filtration Area	1.0cm ²	4.3cm ²		
Maximum Operating Pressure	6.2bar	6.2bar		
Process Volume	10ml	100ml		
Hold-up Volume	< 25µl	<100µl		
Inlet	Female Luer Lock	Female Luer Lock		
Outlet	Male Luer Unlock	Male Luer Unlock		
Flow Direction	Flow should enter from the inlet			
Maximum Operating Temperature	131℃			
Sterilization	Autoclave at 121°C at 1 bar for 20 minutes/EO/Gamma			

- * **Nylon** is a very pure hydrophilic membrane with very low levels of extractables it is mechanically very strong and can be used in many different applications. The Nylon filter membrane undergoes extensive testing before it is encapsulated to ensure that the level of extractables is unsurpassed
- * **Polytetrafluoroethylene** (**PTFE**) is chemically resistant to virtually all solvents and can be used for working with aggressive media such as Strong acids and bases. PTFE is hydrophobic and requires pre-wetting (normally by using a small amount of alcohol) before being used with aqueous samples. PTFE filters can also be used to prevent moisture passing through air vents.
- *Hydrophilic Polytetrafluoroethylene (PTFE) is unsupported membrane that ideal for HPLC and mixtures of aqueous and organic solvents. Use with both aqueous and organic solvents, along with their mixtures.
- * Polyvinylidene Difluoride (PVDF) is a broad purpose hydrophobic membrane that can be used in a variety of applications. It has high flow rates and is generally compatible with most common solvents. PVDF is a low protein binder.
- *Hydrophilic Polyvinylidene Difluoride (PVDF) provides high flow rates & throughput, low extractables& broad chemical compatibility and bind far less protein than nylon, nitrocellulose or PTFE membranes.
- * **PES** low affinity for proteins and extractable with substantially faster flow rates than PVDF, suitable for pre-filtration and filtration of buffers and culture media.

Color Coding

All Hawach WINSTAR Syringe Filters are color coded to help with easy identification.



Color	Filter Media	Pore Size/µm
Blue	PES	0.45
Yellow	PES	0.22
White	Nylon	0.45
Green	Nylon	0.22
Orange	Hydrophobic PTFE	0.45
Purple	Hydrophobic PTFE	0.22
Pink	Hydrophilic PTFE	0.45
Golden	Hydrophilic PTFE	0.22
Red	Hydrophobic PVDF	0.45
Black	Hydrophobic PVDF	0.22
Grey	Hydrophilic PVDF	0.45
Brown	Hydrophilic PVDF	0.22

Description	Color	μm	Ф mm	Part No.	Pcs/pk
Nylon,female luer lock ,non-sterile	Green	0.22	13	WNY1322N	100
Nylon,female luer lock ,non-sterile	Green	0.22	25	WNY2522N	100
Nylon,female luer lock ,non-sterile	White	0.45	13	WNY1345N	100
Nylon,female luer lock ,non-sterile	White	0.45	25	WNY2545N	100
Hydrophobic PTFE,female luer lock ,non-sterile	Orange	0.45	13	WPT1345NB	100
Hydrophobic PTFE,female luer lock ,non-sterile	Orange	0.45	25	WPT2545NB	100
Hydrophobic PTFE,female luer lock ,non-sterile	Purple	0.22	13	WPT1322NB	100
Hydrophobic PTFE,female luer lock ,non-sterile	Purple	0.22	25	WPT2522NB	100
Hydrophilic PTFE,female luer lock ,non-sterile	Pink	0.45	13	WPT1345NL	100
Hydrophilic PTFE,female luer lock ,non-sterile	Pink	0.45	25	WPT2545NL	100
Hydrophilic PTFE,female luer lock ,non-sterile	Golden	0.22	13	WPT1322NL	100
Hydrophilic PTFE,female luer lock ,non-sterile	Golden	0.22	25	WPT2522NL	100
Hydrophobic PVDF,female luer lock ,non-sterile	Red	0.45	13	WPV1345NB	100
Hydrophobic PVDF,female luer lock ,non-sterile	Red	0.45	25	WPV2545NB	100
Hydrophobic PVDF,female luer lock ,non-sterile	Black	0.22	13	WPV1322NB	100
Hydrophobic PVDF,female luer lock ,non-sterile	Black	0.22	25	WPV2522NB	100



Hydrophilic PVDF,female luer lock ,non-sterile	Grey	0.45	13	WPV1345NL	100
Hydrophilic PVDF,female luer lock ,non-sterile	Grey	0.45	25	WPV2545NL	100
Hydrophilic PVDF, female luer lock ,non-sterile	Brown	0.22	13	WPV1322NL	100
Hydrophilic PVDF,female luer lock ,non-sterile	Brown	0.22	25	WPV2522NL	100
PES,female luer lock ,non-sterile	Blue	0.45	13	WPES1345N	100
PES,female luer lock ,non-sterile	Blue	0.45	25	WPES2545N	100
PES,female luer lock ,non-sterile	Yellow	0.22	13	WPES1322N	100
PES,female luer lock ,non-sterile	Yellow	0.22	25	WPES2522N	100

FILTSTAR Series Syringe Filter

FILTSTAR Series syringe filters are used for small volume filtration of liquids, gas and other material-specified applications. They are available with many different membrane including Nylon, PTFE, Hydrophilic PTFE, PES, PVDF, MCE, CA, GF, PP, in both sterile and non-sterile varieties, and with or without pre-filters. They are made of extractable free virgin PP housings standard inlet (female luer lock) and outlet (male luer) connections unless otherwise stated. Options include different diameters, membrane types, sterile filters in blister packs for critical applications.









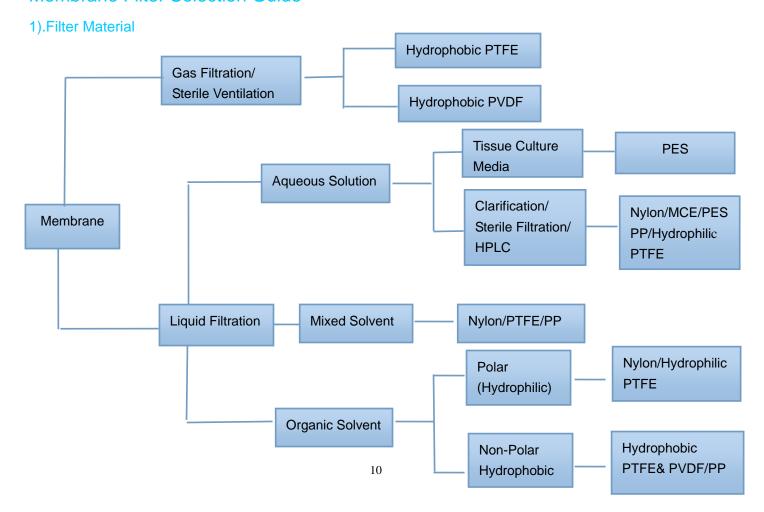
FILTSTAR Series Syringe Filters Features and Application

Filter Media	Nylon/P	TFE/PTFE L	/PES/PVDF/	MCE/CA/GF/PP	//Activated Carbon
Pore Size, µm	0.1µm, 0.22µm, 0.45µm, 0.65µm, 0.8µm, 1.0µm, 3.0µm, 5.0µm, 10µm				
Pre-filter			1um Glass	Fiber or PP	
Diameter	4mm	13mm	25mm	33mm	50mm
Housing	PP	PP	PP	PP	PP
Filtration Area	0.2cm ²	1.3cm ²	4.9 cm ²	8.5 cm ²	19.8cm ²



Maximum Operating Pressure	5.2bar	5.2bar	5.2bar	5.2bar	5.2bar
Process Volume	2ml	10ml	100ml	200ml	5000ml
Hold-up Volume	<10ul	< 50ul	<100ul	<200ul	<350ul
Inlet		Female L	uer Lock		7~13 mm stepped hose
Outlet		Male Lue	barb connection with 6:100 Luer slip		
Flow Direction	Flow should enter from the inlet				Both is fine
Temperature		Maximum Operating Temperature 131℃			
Sterilization	Autoclave at 12	21℃ at 1 bar	for 20 minut	es/EO/Gamma	By EO or autoclave cycles of 30 min at 123℃.

Membrane Filter Selection Guide





2). Pore Size

0.1µm	0.22µm	0.45µm	0.65µm	>1.0µm
Mycoplasmas	UHPLC	HPLC	Yeasts	Large Particulates
Colloids	Bacteria	Particulates	Particulates	
Small Particulates	Small Particulates			

3). Process Volume

Process Volume	1-10ml	10-60ml	10-80ml	10-100ml
Syringe Filter Diameter	13mm	20mm	25mm	33mm

Features

- * Female Luer-Lock inlet and Male-Luer slip outlet.
- * Both Non-sterile and Individual packed Sterile syringe filters are available.
- * Pore size of filter media are available from 0.1µm, 0.22µm, 0.45µm, 0.65µm, 0.8µm, 1.0µm, 3.0µm, 5.0µm, 10µm.
- * Two layer syringe filters with 1 µm Glass Fiber or PP pre-filter also available.
- * Housing Diameter can be choose from 4mm,13mm, 25mm, 33mm,50mm.

*Nylon66/Polyamide (NY)

Hydrophilic membrane. Resistant to a range of organic solvents. Suitable for use with high pH samples. Binds proteins, which makes it unsuitable for protein recovery applications.

* Polytetrafluoroethylene(PTFE)

Hydrophobic membrane. Resistant to organic solvents as well as strong acids and bases. Low protein binding. Low in extractables. Main applications are the filtration of non-aqueous samples. Prior to filtering of aqueous samples the membrane must be pre-wetted with a water-miscible organic solvent.

* Hydrophilic Polytetrafluoroethylene (PTFE L)

Hydrophilic PTFE membranes are unsupported membrane that ideal for HPLC and mixtures of aqueous and organic solvents. Use with both aqueous and organic solvents, along with their mixtures.

* Polyethersulfone(PES)

Hydrophilic membrane. Broad solvent compatibility. Suitable for filtration of aqueous and compatible organic solvents. Higher liquid flow than either PTFE or PVDF. Low in extractables. Low protein binding.



* Cellulose Acetate (CA)

Hydrophilic membrane. Limited solvent resistance. Very low protein binding capacity, which makes it an excellent choice for protein recovery applications.

* Polyvinylidene Difluoride (PVDF)

Hydrophobic membrane. Fast flow rate and very low protein binding. Generally compatible with most common solvents. Ideal for protein recovery applications.

* Mixed Cellulose Esters(MCE)

Hydrophilic MCE membranes. Biologically inert mixture of Cellulose Acetate and Cellulose Nitrate membranes which have higher protein binding than CA for most proteins. High porosity provides high flow rate. Good use for aqueous based samples.

* Glass Microfiber/Glass Fiber (GMF/GF)

Hydrophilic material. Excellent compatibility with organic solvents and strong acids (apart from hydrofluoric acid) and bases. Either used as a prefilter or as a final filter.

* Polypropylene (PP)

Slightly hydrophobic membrane. Resistant to a wide range of organic solvents. Also good choice used as a prefilter or as a final filter.

Description	μm	Φ mm	Part No.	Pcs/pk
Nylon (4mm, 13mm, 20mm, 25mm, 33mm, 50mm/0.1um	ı, 0.22um, 0.45un	n, 0.8um, 1.0	oum, 3.0um, 5.0um,	10um)
Nylon, female luer lock , non-sterile	0.22	4	SLNY0422N	100
Nylon, female luer lock , non-sterile	0.22	13	SLNY1322N	100
Nylon, female luer lock , non-sterile	0.22	25	SLNY2522N	100
Nylon, female luer lock , non-sterile	0.22	33	SLNY3322N	50
Nylon, female luer lock , non-sterile	0.22	50	SLNY5022N	25
Nylon, female luer lock , non-sterile	0.45	4	SLNY0445N	100
Nylon, female luer lock , non-sterile	0.45	13	SLNY1345N	100
Nylon,female luer lock , non-sterile	0.45	25	SLNY2545N	100
Nylon, female luer lock , non-sterile	0.45	33	SLNY3345N	50
Nylon, female luer lock , non-sterile	0.45	50	SLNY5045N	25
Nylon/GF Pre-filter,female luer lock , non-sterile	0.22	13	SLNY1322NG	100
Nylon/GF Pre-filter,female luer lock , non-sterile	0.22	25	SLNY2522NG	100
Nylon/GF Pre-filter, female luer lock , non-sterile	0.22	33	SLNY3322NG	50
Nylon/GF Pre-filter, female luer lock , non-sterile	0.22	50	SLNY5022NG	25
Nylon/GF Pre-filter,female luer lock , non-sterile	0.45	13	SLNY1345NG	100
Nylon/GF Pre-filter, female luer lock , non-sterile	0.45	25	SLNY2545NG	100
Nylon/GF Pre-filter,female luer lock , non-sterile	0.45	33	SLNY3345NG	50
Nylon/GF Pre-filter,female luer lock , non-sterile	0.45	50	SLNY5045NG	25
Nylon/PP Pre-filter, female luer lock , non-sterile	0.22	13	SLNY1322NP	100
Nylon/PP Pre-filter, female luer lock , non-sterile	0.22	25	SLNY2522NP	100



Nylon/PP Pre-filter, female luer lock , non-sterile	0.22	33	SLNY3322NP	50
Nylon/PP Pre-filter, female luer lock , non-sterile	0.22	50	SLNY5022NP	25
Nylon/PP Pre-filter, female luer lock , non-sterile	0.45	13	SLNY1345NP	100
Nylon/PP Pre-filter, female luer lock , non-sterile	0.45	25	SLNY2545NP	100
Nylon/PP Pre-filter, female luer lock , non-sterile	0.45	33	SLNY3345NP	50
Nylon/PP Pre-filter, female luer lock , non-sterile	0.45	50	SLNY5045NP	25
Nylon, female luer lock, sterile	0.22	13	SLNY1322S	100
Nylon, female luer lock, sterile	0.22	25	SLNY2522S	100
Nylon, female luer lock, sterile	0.22	33	SLNY3322S	50
Nylon, female luer lock, sterile	0.45	13	SLNY1345S	100
Nylon, female luer lock, sterile	0.45	25	SLNY2545S	100
Nylon, female luer lock, sterile	0.45	33	SLNY3345S	50
Nylon/GF Pre-filter , female luer lock, sterile	0.22	13	SLNY1322SG	100
Nylon/GF Pre-filter , female luer lock, sterile	0.22	25	SLNY2522SG	100
Nylon/GF Pre-filter , female luer lock, sterile	0.22	33	SLNY3322SG	50
Nylon/GF Pre-filter , female luer lock, sterile	0.45	13	SLNY1345SG	100
Nylon/GF Pre-filter , female luer lock, sterile	0.45	25	SLNY2545SG	100
Nylon/GF Pre-filter , female luer lock, sterile	0.45	33	SLNY3345SG	50
Nylon/PP pre-filter , female luer lock, sterile	0.22	13	SLNY1322SP	100
Nylon/PP pre-filter , female luer lock, sterile	0.22	25	SLNY2522SP	100
Nylon/PP pre-filter , female luer lock, sterile	0.22	33	SLNY3322SP	50
Nylon/PP pre-filter , female luer lock, sterile	0.45	13	SLNY1345SP	100
Nylon/PP pre-filter , female luer lock, sterile	0.45	25	SLNY2545SP	100
Nylon/PP pre-filter , female luer lock, sterile	0.45	33	SLNY3345SP	50
Hydrophobic PTFE (4mm, 13mm, 25mm, 20mm, 33mm, 50m	m/0.1um, 0.2	2um, 0.45ເ	ım, 1.0um, 3.0um,5.0	um,10um)
Hydrophobic PTFE, female luer lock , non-sterile	0.22	4	SLPT0422NB	100
Hydrophobic PTFE, female luer lock , non-sterile	0.22	13	SLPT1322NB	100
Hydrophobic PTFE, female luer lock , non-sterile	0.22	25	SLPT2522NB	100
Hydrophobic PTFE, female luer lock , non-sterile	0.22	33	SLPT3322NB	50
Hydrophobic PTFE, female luer lock , non-sterile	0.22	50	SLPT5022NB	25
Hydrophobic PTFE, female luer lock , non-sterile	0.45	4	SLPT0445NB	100
Hydrophobic PTFE, female luer lock , non-sterile	0.45	13	SLPT1345NB	100
Hydrophobic PTFE, female luer lock , non-sterile	0.45	25	SLPT2545NB	100
Hydrophobic PTFE, female luer lock , non-sterile	0.45	33	SLPT3345NB	50
Hydrophobic PTFE, female luer lock , non-sterile	0.45	50	SLPT5045NB	25
Hydrophobic PTFE/GF Pre-filter,female luer lock ,non-sterile	0.22	13	SLPT1322NG	100
Hydrophobic PTFE/GF Pre-filter ,female luer lock ,non-sterile	0.22	25	SLPT2522NG	100
Hydrophobic PTFE/GF Pre-filter ,female luer lock ,non-sterile	0.22	33	SLPT3322NG	50
Hydrophobic PTFE/GF Pre-filter ,female luer lock ,non-sterile	0.22	50	SLPT5022NG	25
Hydrophobic PTFE/GF Pre-filter ,female luer lock ,non-sterile	0.45	13	SLPT1345NG	100
Hydrophobic PTFE/GF Pre-filter ,female luer lock ,non-sterile	0.45	25	SLPT2545NG	100
Hydrophobic PTFE/GF Pre-filter ,female luer lock ,non-sterile	0.45	33	SLPT3345NG	50



Hydrophobic PTFE/GF Pre-filter ,female luer lock ,non-sterile	0.45	50	SLPT5045NG	25
Hydrophobic PTFE/PP Pre-filter ,female luer lock ,non-sterile	0.22	13	SLPT1322NP	100
Hydrophobic PTFE/PP Pre-filter ,female luer lock ,non-sterile	0.22	25	SLPT2522NP	100
Hydrophobic PTFE/PP Pre-filter ,female luer lock ,non-sterile	0.22	33	SLPT3322NP	50
Hydrophobic PTFE/PP Pre-filter ,female luer lock ,non-sterile	0.22	50	SLPT5022NP	25
Hydrophobic PTFE/PP Pre-filter ,female luer lock ,non-sterile	0.45	13	SLPT1345NP	100
Hydrophobic PTFE/PP Pre-filter ,female luer lock ,non-sterile	0.45	25	SLPT2545NP	100
Hydrophobic PTFE/PP Pre-filter ,female luer lock ,non-sterile	0.45	33	SLPT3345NP	50
Hydrophobic PTFE/PP Pre-filter ,female luer lock ,non-sterile	0.45	50	SLPT5045NP	25
Hydrophobic PTFE, female luer lock, sterile	0.22	13	SLPT1322SB	100
Hydrophobic PTFE, female luer lock, sterile	0.22	25	SLPT2522SB	100
Hydrophobic PTFE, female luer lock, sterile	0.22	33	SLPT3322SB	50
Hydrophobic PTFE, female luer lock, sterile	0.45	13	SLPT1345SB	100
Hydrophobic PTFE, female luer lock, sterile	0.45	25	SLPT2545SB	100
Hydrophobic PTFE, female luer lock, sterile	0.45	33	SLPT3345SB	50
Hydrophobic PTFE/GF Pre-filter , female luer lock, sterile	0.22	13	SLPT1322SG	100
Hydrophobic PTFE/GF Pre-filter , female luer lock, sterile	0.22	25	SLPT2522SG	100
Hydrophobic PTFE/GF Pre-filter , female luer lock, sterile	0.22	33	SLPT3322SG	50
Hydrophobic PTFE/GF Pre-filter , female luer lock, sterile	0.45	13	SLPT1345SG	100
Hydrophobic PTFE/GF Pre-filter , female luer lock, sterile	0.45	25	SLPT2545SG	100
Hydrophobic PTFE/GF Pre-filter , female luer lock, sterile	0.45	33	SLPT3345SG	50
Hydrophobic PTFE/PP Pre-filter , female luer lock, sterile	0.22	13	SLPT1322SP	100
Hydrophobic PTFE/PP Pre-filter , female luer lock, sterile	0.22	25	SLPT2522SP	100
Hydrophobic PTFE/PP Pre-filter , female luer lock, sterile	0.22	33	SLPT3322SP	50
Hydrophobic PTFE/PP Pre-filter , female luer lock, sterile	0.45	13	SLPT1345SP	100
Hydrophobic PTFE/PP Pre-filter , female luer lock, sterile	0.45	25	SLPT2545SP	100
Hydrophobic PTFE/PP Pre-filter , female luer lock, sterile	0.45	33	SLPT3345SP	50
Hydrophilic PTFE (4mm, 13mm, 20mm, 25mm, 33mm, 50mm,	/0.22um, 0.4	5um)		
Hydrophilic PTFE ,female luer lock ,non-sterile	0.22	4	SLPT0422NL	100
Hydrophilic PTFE ,female luer lock ,non-sterile	0.22	13	SLPT1322NL	100
Hydrophilic PTFE ,female luer lock ,non-sterile	0.22	25	SLPT2522NL	100
Hydrophilic PTFE ,female luer lock ,non-sterile	0.22	33	SLPT3322NL	50
Hydrophilic PTFE ,female luer lock ,non-sterile	0.22	50	SLPT5022NL	25
Hydrophilic PTFE ,female luer lock ,non-sterile	0.45	4	SLPT0445NL	100
Hydrophilic PTFE ,female luer lock ,non-sterile	0.45	13	SLPT1345NL	100
Hydrophilic PTFE ,female luer lock ,non-sterile	0.45	25	SLPT2545NL	100
Hydrophilic PTFE ,female luer lock ,non-sterile	0.45	33	SLPT3345NL	50
Hydrophilic PTFE ,female luer lock ,non-sterile	0.45	50	SLPT5045NL	25
Hydrophilic PTFE/GF Pre-filter ,female luer lock ,non-sterile	0.22	13	SLPT1322NLG	100
Hydrophilic PTFE/GF Pre-filter ,female luer lock ,non-sterile	0.22	25	SLPT2522NLG	100
Hydrophilic PTFE/GF Pre-filter ,female luer lock ,non-sterile	0.22	33	SLPT3322NLG	50
Hydrophilic PTFE/GF Pre-filter ,female luer lock ,non-sterile	0.22	50	SLPT5022NLG	25



Hydrophilic PTFE/GF Pre-filter ,female luer lock ,non-sterile 0.45 13 SLPT1345NLG 100 Hydrophilic PTFE/GF Pre-filter ,female luer lock ,non-sterile 0.45 25 SLPT2545NLG 100 Hydrophilic PTFE/GF Pre-filter ,female luer lock ,non-sterile 0.45 33 SLPT3345NLG 50 Hydrophilic PTFE/GF Pre-filter ,female luer lock ,non-sterile 0.45 50 SLPT5045NLG 25 Hydrophilic PTFE/PP Pre-filter ,female luer lock ,non-sterile 0.22 13 SLPT1322NLP 100 Hydrophilic PTFE/PP Pre-filter ,female luer lock ,non-sterile 0.22 25 SLPT2522NLP 100 Hydrophilic PTFE/PP Pre-filter ,female luer lock ,non-sterile 0.22 33 SLPT3322NLP 50 Hydrophilic PTFE/PP Pre-filter ,female luer lock ,non-sterile 0.22 33 SLPT3322NLP 25 Hydrophilic PTFE/PP Pre-filter ,female luer lock ,non-sterile 0.25 SLPT5022NLP 25 Hydrophilic PTFE/PP Pre-filter ,female luer lock ,non-sterile 0.45 13 SLPT1345NLP 100 Hydrophilic PTFE/PP Pre-filter ,female luer lock ,non-sterile 0.45 13 SLPT1345NLP 100 Hydrophilic PTFE/PP Pre-filter ,female luer lock ,non-sterile 0.45 25 SLPT2545NLP 100 Hydrophilic PTFE/PP Pre-filter ,female luer lock ,non-sterile 0.45 33 SLPT3345NLP 50 Hydrophilic PTFE/PP Pre-filter ,female luer lock ,non-sterile 0.45 33 SLPT3345NLP 50 Hydrophilic PTFE, female luer lock ,non-sterile 0.45 50 SLPT5045NLP 25 Hydrophilic PTFE, female luer lock ,sterile 0.22 13 SLPT1322SL 100 Hydrophilic PTFE, female luer lock ,sterile 0.22 33 SLPT3322SL 50 Hydrophilic PTFE, female luer lock ,sterile 0.25 SLPT252SL 100 Hydrophilic PTFE, female luer lock ,sterile 0.45 25 SLPT2545SL 100 Hydrophilic PTFE, female luer lock ,sterile 0.45 33 SLPT3345SL 50 Hydrophilic PTFE, female luer lock ,sterile 0.45 33 SLPT3345SL 50 Hydrophilic PTFE, female luer lock ,sterile 0.45 33 SLPT3322SL 50 Hydrophilic PTFE, female luer lock ,sterile 0.22 33 SLPT3322SL 50 Hydrophilic PTFE, female luer lock ,sterile 0.25 SLPT252SLG 100 Hydrophilic PTFE/GF Pre-filter , female luer lock ,sterile 0.25 SLPT252SLG 50 SLPT252SLG 100 Hydrophilic PTFE/GF Pre-filter , female luer lock ,sterile 0.45 SLPT352SLG 50 SLPT352SLG 50 Hydro
Hydrophilic PTFE/GF Pre-filter ,female luer lock ,non-sterile 0.45 33 SLPT3345NLG 50 Hydrophilic PTFE/GF Pre-filter ,female luer lock ,non-sterile 0.22 13 SLPT1322NLP 100 Hydrophilic PTFE/PP Pre-filter ,female luer lock ,non-sterile 0.22 25 SLPT2522NLP 100 Hydrophilic PTFE/PP Pre-filter ,female luer lock ,non-sterile 0.22 25 SLPT2522NLP 100 Hydrophilic PTFE/PP Pre-filter ,female luer lock ,non-sterile 0.22 33 SLPT3322NLP 50 Hydrophilic PTFE/PP Pre-filter ,female luer lock ,non-sterile 0.22 50 SLPT5022NLP 25 Hydrophilic PTFE/PP Pre-filter ,female luer lock ,non-sterile 0.45 13 SLPT1345NLP 100 Hydrophilic PTFE/PP Pre-filter ,female luer lock ,non-sterile 0.45 25 SLPT2545NLP 100 Hydrophilic PTFE/PP Pre-filter ,female luer lock ,non-sterile 0.45 33 SLPT3345NLP 50 Hydrophilic PTFE/PP Pre-filter ,female luer lock ,non-sterile 0.45 33 SLPT3345NLP 50 Hydrophilic PTFE/PP Pre-filter ,female luer lock ,non-sterile 0.45 50 SLPT5045NLP 25 Hydrophilic PTFE, female luer lock ,sterile 0.22 13 SLPT1322SL 100 Hydrophilic PTFE, female luer lock ,sterile 0.22 25 SLPT252SSL 100 Hydrophilic PTFE, female luer lock ,sterile 0.22 33 SLPT3332SL 50 Hydrophilic PTFE, female luer lock ,sterile 0.45 13 SLPT1345SL 100 Hydrophilic PTFE, female luer lock ,sterile 0.45 25 SLPT2545SL 100 Hydrophilic PTFE, female luer lock ,sterile 0.45 25 SLPT2545SL 100 Hydrophilic PTFE, female luer lock ,sterile 0.45 33 SLPT3345SL 50 Hydrophilic PTFE, female luer lock ,sterile 0.45 25 SLPT2545SL 100 Hydrophilic PTFE, female luer lock ,sterile 0.45 33 SLPT332SLG 50 Hydrophilic PTFE/GF Pre-filter ,female luer lock ,sterile 0.22 33 SLPT332SLG 50 Hydrophilic PTFE/GF Pre-filter ,female luer lock ,sterile 0.22 35 SLPT2545SLG 100 Hydrophilic PTFE/GF Pre-filter ,female luer lock ,sterile 0.22 35 SLPT352SLG 50 Hydrophilic PTFE/GF Pre-filter ,female luer lock ,sterile 0.25 SLPT345SLG 100 Hydrophilic PTFE/GF Pre-filter ,female luer lock ,sterile 0.25 SLPT345SLG 100 Hydrophilic PTFE/GF Pre-filter ,female luer lock ,sterile 0.25 SLPT345SLG 100 Hydrophilic PTFE/GF Pre-filter
Hydrophilic PTFE/GF Pre-filter ,female luer lock ,non-sterile 0.45 50 SLPT5045NLG 25 Hydrophilic PTFE/PP Pre-filter ,female luer lock ,non-sterile 0.22 13 SLPT1322NLP 100 Hydrophilic PTFE/PP Pre-filter ,female luer lock ,non-sterile 0.22 25 SLPT2522NLP 100 Hydrophilic PTFE/PP Pre-filter ,female luer lock ,non-sterile 0.22 33 SLPT3322NLP 50 Hydrophilic PTFE/PP Pre-filter ,female luer lock ,non-sterile 0.22 50 SLPT5022NLP 25 Hydrophilic PTFE/PP Pre-filter ,female luer lock ,non-sterile 0.45 13 SLPT1345NLP 100 Hydrophilic PTFE/PP Pre-filter ,female luer lock ,non-sterile 0.45 25 SLPT2545NLP 100 Hydrophilic PTFE/PP Pre-filter ,female luer lock ,non-sterile 0.45 33 SLPT3345NLP 50 Hydrophilic PTFE/PP Pre-filter ,female luer lock ,non-sterile 0.45 33 SLPT3345NLP 50 Hydrophilic PTFE/PP Pre-filter ,female luer lock ,non-sterile 0.45 50 SLPT5045NLP 25 Hydrophilic PTFE, female luer lock ,sterile 0.22 13 SLPT1322SL 100 Hydrophilic PTFE, female luer lock ,sterile 0.22 25 SLPT2522SL 100 Hydrophilic PTFE, female luer lock ,sterile 0.22 33 SLPT3322SL 50 Hydrophilic PTFE, female luer lock ,sterile 0.45 13 SLPT1345SL 100 Hydrophilic PTFE, female luer lock, sterile 0.45 25 SLP72545SL 100 Hydrophilic PTFE, female luer lock, sterile 0.45 33 SLPT3345SL 50 Hydrophilic PTFE, female luer lock, sterile 0.45 25 SLP72545SL 100 Hydrophilic PTFE, female luer lock, sterile 0.45 33 SLPT3345SL 50 Hydrophilic PTFE, female luer lock, sterile 0.45 33 SLPT3345SL 50 Hydrophilic PTFE, female luer lock, sterile 0.22 13 SLPT332SLG 50 Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile 0.22 33 SLPT3345SL 50 Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile 0.22 50 SLPT502SLG 25 Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile 0.22 13 SLPT332SLG 50 Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile 0.22 50 SLPT502SLG 25 Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile 0.25 SLPT2545SLG 100 Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile 0.45 25 SLPT2545SLG 100 Hydrophilic PTFE/GF Pre-filter , female
Hydrophilic PTFE/PP Pre-filter ,female luer lock ,non-sterile 0.22 13 SLPT1322NLP 100 Hydrophilic PTFE/PP Pre-filter ,female luer lock ,non-sterile 0.22 25 SLPT2522NLP 100 Hydrophilic PTFE/PP Pre-filter ,female luer lock ,non-sterile 0.22 33 SLPT3322NLP 50 Hydrophilic PTFE/PP Pre-filter ,female luer lock ,non-sterile 0.22 50 SLPT5022NLP 25 Hydrophilic PTFE/PP Pre-filter ,female luer lock ,non-sterile 0.45 13 SLPT1345NLP 100 Hydrophilic PTFE/PP Pre-filter ,female luer lock ,non-sterile 0.45 25 SLPT2545NLP 100 Hydrophilic PTFE/PP Pre-filter ,female luer lock ,non-sterile 0.45 33 SLPT3345NLP 50 Hydrophilic PTFE/PP Pre-filter ,female luer lock ,non-sterile 0.45 50 SLPT5045NLP 25 Hydrophilic PTFE/PP Pre-filter ,female luer lock ,non-sterile 0.45 50 SLPT5045NLP 25 Hydrophilic PTFE, female luer lock ,non-sterile 0.22 13 SLPT1322SL 100 Hydrophilic PTFE, female luer lock ,sterile 0.22 25 SLPT252SL 100 Hydrophilic PTFE, female luer lock ,sterile 0.22 33 SLPT332SL 50 Hydrophilic PTFE, female luer lock ,sterile 0.45 13 SLPT1345SL 100 Hydrophilic PTFE, female luer lock ,sterile 0.45 25 SLPT2545SL 100 Hydrophilic PTFE, female luer lock ,sterile 0.45 33 SLPT3345SL 50 Hydrophilic PTFE, female luer lock ,sterile 0.45 33 SLPT3345SL 50 Hydrophilic PTFE, female luer lock ,sterile 0.45 33 SLPT3345SL 50 Hydrophilic PTFE, female luer lock ,sterile 0.45 33 SLPT3345SL 50 Hydrophilic PTFE, female luer lock ,sterile 0.45 33 SLPT3345SL 50 Hydrophilic PTFE/GF Pre-filter , female luer lock ,sterile 0.45 33 SLPT332SLG 100 Hydrophilic PTFE/GF Pre-filter , female luer lock ,sterile 0.45 33 SLPT3345SL 50 Hydrophilic PTFE/GF Pre-filter , female luer lock ,sterile 0.45 33 SLPT332SLG 100 Hydrophilic PTFE/GF Pre-filter , female luer lock ,sterile 0.45 SLPT252SLG 100 Hydrophilic PTFE/GF Pre-filter , female luer lock ,sterile 0.45 SLPT252SLG 100 Hydrophilic PTFE/GF Pre-filter , female luer lock ,sterile 0.45 SLPT32SLB 100 Hydrophilic PTFE/GF PP Pre-filter , female luer lock ,sterile 0.45 SLPT32SLB 10
Hydrophilic PTFE/PP Pre-filter ,female luer lock ,non-sterile 0.22 25 SLPT2522NLP 100 Hydrophilic PTFE/PP Pre-filter ,female luer lock ,non-sterile 0.22 33 SLPT3322NLP 50 Hydrophilic PTFE/PP Pre-filter ,female luer lock ,non-sterile 0.22 50 SLPT5022NLP 25 Hydrophilic PTFE/PP Pre-filter ,female luer lock ,non-sterile 0.45 13 SLPT1345NLP 100 Hydrophilic PTFE/PP Pre-filter ,female luer lock ,non-sterile 0.45 25 SLPT2545NLP 100 Hydrophilic PTFE/PP Pre-filter ,female luer lock ,non-sterile 0.45 33 SLPT3345NLP 50 Hydrophilic PTFE/PP Pre-filter ,female luer lock ,non-sterile 0.45 50 SLPT5045NLP 25 Hydrophilic PTFE, female luer lock ,sterile 0.22 13 SLPT1322SL 100 Hydrophilic PTFE, female luer lock ,sterile 0.22 25 SLPT2522SL 100 Hydrophilic PTFE, female luer lock ,sterile 0.22 33 SLPT3322SL 50 Hydrophilic PTFE, female luer lock ,sterile 0.45 13 SLPT1345SL 100 Hydrophilic PTFE, female luer lock ,sterile 0.45 13 SLPT1345SL 100 Hydrophilic PTFE, female luer lock ,sterile 0.45 25 SLPT2545SL 100 Hydrophilic PTFE, female luer lock ,sterile 0.45 33 SLPT3345SL 50 Hydrophilic PTFE, female luer lock ,sterile 0.45 33 SLPT332SLG 100 Hydrophilic PTFE/F pre-filter , female luer lock ,sterile 0.22 13 SLPT332SLG 100 Hydrophilic PTFE/GF Pre-filter , female luer lock ,sterile 0.22 33 SLPT332SLG 50 Hydrophilic PTFE/GF Pre-filter , female luer lock ,sterile 0.22 33 SLPT332SLG 50 Hydrophilic PTFE/GF Pre-filter , female luer lock ,sterile 0.22 33 SLPT332SLG 50 Hydrophilic PTFE/GF Pre-filter , female luer lock ,sterile 0.45 13 SLPT332SLG 50 Hydrophilic PTFE/GF Pre-filter , female luer lock ,sterile 0.45 13 SLPT332SLG 100 Hydrophilic PTFE/GF Pre-filter , female luer lock ,sterile 0.45 13 SLPT332SLG 100 Hydrophilic PTFE/GF Pre-filter , female luer lock ,sterile 0.45 13 SLPT332SLG 100 Hydrophilic PTFE/GF Pre-filter , female luer lock ,sterile 0.45 13 SLPT332SLG 100 Hydrophilic PTFE/GF Pre-filter , female luer lock ,sterile 0.45 SLPT252SLG 100 Hydrophilic PTFE/PP Pre-filter , female luer lock ,sterile 0.45 SLPT252SLP 100
Hydrophilic PTFE/PP Pre-filter ,female luer lock ,non-sterile 0.22 33 SLPT3322NLP 50 Hydrophilic PTFE/PP Pre-filter ,female luer lock ,non-sterile 0.45 13 SLPT1345NLP 100 Hydrophilic PTFE/PP Pre-filter ,female luer lock ,non-sterile 0.45 25 SLPT2545NLP 100 Hydrophilic PTFE/PP Pre-filter ,female luer lock ,non-sterile 0.45 33 SLPT3345NLP 50 Hydrophilic PTFE/PP Pre-filter ,female luer lock ,non-sterile 0.45 33 SLPT3345NLP 50 Hydrophilic PTFE/PP Pre-filter ,female luer lock ,non-sterile 0.45 50 SLPT5045NLP 25 Hydrophilic PTFE, female luer lock ,sterile 0.22 13 SLPT1322SL 100 Hydrophilic PTFE, female luer lock, sterile 0.22 25 SLPT2522SL 100 Hydrophilic PTFE, female luer lock, sterile 0.22 33 SLPT3322SL 50 Hydrophilic PTFE, female luer lock, sterile 0.45 13 SLPT1345SL 100 Hydrophilic PTFE, female luer lock, sterile 0.45 25 SLPT2545SL 100 Hydrophilic PTFE, female luer lock, sterile 0.45 33 SLPT3345SL 50 Hydrophilic PTFE, female luer lock, sterile 0.45 33 SLPT3345SL 50 Hydrophilic PTFE, female luer lock, sterile 0.45 33 SLPT332SLG 100 Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile 0.22 13 SLPT132SLG 100 Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile 0.22 33 SLPT332SLG 50 Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile 0.22 33 SLPT332SLG 50 Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile 0.22 33 SLPT332SLG 50 Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile 0.22 33 SLPT332SLG 50 Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile 0.25 SLPT502SLG 25 Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile 0.45 25 SLPT254SSLG 100 Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile 0.45 25 SLPT254SSLG 100 Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile 0.45 25 SLPT254SSLG 100 Hydrophilic PTFE/PP Pre-filter , female luer lock, sterile 0.45 25 SLPT254SSLG 100 Hydrophilic PTFE/PP Pre-filter , female luer lock, sterile 0.22 25 SLPT252SSLP 100
Hydrophilic PTFE/PP Pre-filter ,female luer lock ,non-sterile 0.22 50 SLPT5022NLP 25 Hydrophilic PTFE/PP Pre-filter ,female luer lock ,non-sterile 0.45 13 SLPT1345NLP 100 Hydrophilic PTFE/PP Pre-filter ,female luer lock ,non-sterile 0.45 25 SLPT2545NLP 100 Hydrophilic PTFE/PP Pre-filter ,female luer lock ,non-sterile 0.45 33 SLPT3345NLP 50 Hydrophilic PTFE/PP Pre-filter ,female luer lock ,non-sterile 0.45 50 SLPT5045NLP 25 Hydrophilic PTFE, female luer lock ,sterile 0.22 13 SLPT1322SL 100 Hydrophilic PTFE, female luer lock, sterile 0.22 25 SLPT2522SL 100 Hydrophilic PTFE, female luer lock, sterile 0.22 33 SLPT3322SL 50 Hydrophilic PTFE, female luer lock, sterile 0.45 13 SLPT1345SL 100 Hydrophilic PTFE, female luer lock, sterile 0.45 25 SLPT2545SL 100 Hydrophilic PTFE, female luer lock, sterile 0.45 33 SLPT3345SL 50 Hydrophilic PTFE, female luer lock, sterile 0.45 33 SLPT3345SL 50 Hydrophilic PTFE, female luer lock, sterile 0.22 13 SLPT132SLG 100 Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile 0.22 13 SLPT132SLG 100 Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile 0.22 33 SLPT332SLG 50 Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile 0.22 33 SLPT332SLG 50 Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile 0.22 35 SLPT252SLG 25 Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile 0.45 13 SLPT1345SLG 100 Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile 0.45 25 SLPT2545SLG 100 Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile 0.45 25 SLPT2545SLG 100 Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile 0.45 25 SLPT2545SLG 100 Hydrophilic PTFE/FP Pre-filter , female luer lock, sterile 0.45 25 SLPT252SLP 100
Hydrophilic PTFE/PP Pre-filter ,female luer lock ,non-sterile 0.45 13 SLPT1345NLP 100 Hydrophilic PTFE/PP Pre-filter ,female luer lock ,non-sterile 0.45 25 SLPT2545NLP 100 Hydrophilic PTFE/PP Pre-filter ,female luer lock ,non-sterile 0.45 33 SLPT3345NLP 50 Hydrophilic PTFE/PP Pre-filter ,female luer lock ,non-sterile 0.45 50 SLPT5045NLP 25 Hydrophilic PTFE, female luer lock ,sterile 0.22 13 SLPT1322SL 100 Hydrophilic PTFE, female luer lock, sterile 0.22 25 SLPT2522SL 100 Hydrophilic PTFE, female luer lock, sterile 0.22 33 SLPT3322SL 50 Hydrophilic PTFE, female luer lock, sterile 0.45 13 SLPT1345SL 100 Hydrophilic PTFE, female luer lock, sterile 0.45 25 SLPT2545SL 100 Hydrophilic PTFE, female luer lock, sterile 0.45 33 SLPT3345SL 50 Hydrophilic PTFE, female luer lock, sterile 0.45 33 SLPT3345SL 50 Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile 0.22 13 SLPT1322SLG 100 Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile 0.22 25 SLPT2522SLG 100 Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile 0.22 33 SLPT3322SLG 50 Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile 0.22 50 SLPT5022SLG 50 Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile 0.25 SLPT5022SLG 25 Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile 0.45 13 SLPT1345SLG 100 Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile 0.45 25 SLPT2545SLG 100 Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile 0.45 25 SLPT254SLG 100 Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile 0.45 25 SLPT254SLG 100 Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile 0.45 25 SLPT254SLG 100 Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile 0.45 25 SLPT254SLG 100 Hydrophilic PTFE/PP Pre-filter , female luer lock, sterile 0.22 25 SLPT252SLP 100 Hydrophilic PTFE/PP Pre-filter , female luer lock, sterile 0.22 25 SLPT252SLP 100
Hydrophilic PTFE/PP Pre-filter ,female luer lock ,non-sterile O.45 O.45 SLPT5045NLP SLPT1322SL DO Hydrophilic PTFE, female luer lock, sterile O.22 SLPT2522SL DO Hydrophilic PTFE, female luer lock, sterile O.22 SLPT3322SL Hydrophilic PTFE, female luer lock, sterile O.45 Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile O.22 SLPT252SLG Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile O.22 SLPT252SLG Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile O.22 SLPT332SLG Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile O.22 SLPT32SLG Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile O.25 Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile O.25 SLPT32SLG Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile O.25 SLPT32SLG Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile O.45 SLPT1345SLG Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile O.45 SLPT1345SLG Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile O.45 SLPT1345SLG Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile O.45 SLPT132SLP Hydrophilic PTFE/FP Pre-filter , female luer lock, sterile O.45 SLPT132SLP Hydrophilic PTFE/PP Pre-filter , female luer lock, sterile O.45 SLPT132SLP Hydrophilic PTFE/PP Pre-filter , female luer lock, sterile O.45 SLPT132SLP Hydrophilic PTFE/PP Pre-filter , female luer lock, sterile O.45 SLPT132SLP Hydrophilic PTFE/PP Pre-filter , female luer lock, sterile O.45 SLPT132SLP Hydrophilic PTFE/PP Pre-filter , female luer lock, sterile O.4
Hydrophilic PTFE/PP Pre-filter ,female luer lock ,non-sterile 0.45 Hydrophilic PTFE/PP Pre-filter ,female luer lock ,non-sterile 0.45 Hydrophilic PTFE, female luer lock, sterile 0.22 13 SLPT1322SL 100 Hydrophilic PTFE, female luer lock, sterile 0.22 25 SLPT2522SL 100 Hydrophilic PTFE, female luer lock, sterile 0.22 33 SLPT3322SL 50 Hydrophilic PTFE, female luer lock, sterile 0.45 13 SLPT1345SL 100 Hydrophilic PTFE, female luer lock, sterile 0.45 13 SLPT1345SL 100 Hydrophilic PTFE, female luer lock, sterile 0.45 33 SLPT332SL 50 Hydrophilic PTFE, female luer lock, sterile 0.45 33 SLPT3345SL 50 Hydrophilic PTFE, female luer lock, sterile 0.45 33 SLPT3345SL 50 Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile 0.22 13 SLPT132SLG 100 Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile 0.22 33 SLPT332SLG 50 Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile 0.22 33 SLPT332SLG 50 Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile 0.22 33 SLPT332SLG 50 Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile 0.22 33 SLPT332SLG 50 Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile 0.22 33 SLPT332SLG 50 Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile 0.22 33 SLPT332SLG 50 Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile 0.22 33 SLPT332SLG 50 SLPT345SLG 100 Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile 0.45 35 SLPT1345SLG 100 Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile 0.45 35 SLPT1345SLG 100 Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile 0.45 35 SLPT1345SLG 100 Hydrophilic PTFE/PP Pre-filter , female luer lock, sterile 0.45 55 SLPT2545SLG 100 Hydrophilic PTFE/PP Pre-filter , female luer lock, sterile 0.45 55 SLPT254SSLG 100
Hydrophilic PTFE/PP Pre-filter ,female luer lock ,non-sterile 0.45 50 SLPT5045NLP 25 Hydrophilic PTFE, female luer lock, sterile 0.22 13 SLPT1322SL 100 Hydrophilic PTFE, female luer lock, sterile 0.22 25 SLPT2522SL 100 Hydrophilic PTFE, female luer lock, sterile 0.22 33 SLPT3322SL 50 Hydrophilic PTFE, female luer lock, sterile 0.45 13 SLPT1345SL 100 Hydrophilic PTFE, female luer lock, sterile 0.45 25 SLPT2545SL 100 Hydrophilic PTFE, female luer lock, sterile 0.45 33 SLPT3345SL 50 Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile 0.45 33 SLPT3345SL 50 Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile 0.22 13 SLPT1322SLG 100 Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile 0.22 25 SLPT2522SLG 100 Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile 0.22 33 SLPT3322SLG 50 Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile 0.22 50 SLPT5022SLG 25 Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile 0.45 13 SLPT1345SLG 100 Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile 0.45 13 SLPT1345SLG 100 Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile 0.45 25 SLPT2545SLG 100 Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile 0.45 25 SLPT2545SLG 100 Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile 0.45 25 SLPT2545SLG 100 Hydrophilic PTFE/PP Pre-filter , female luer lock, sterile 0.45 25 SLPT2545SLG 100 Hydrophilic PTFE/PP Pre-filter , female luer lock, sterile 0.45 25 SLPT2545SLG 100
Hydrophilic PTFE, female luer lock, sterile0.2213SLPT1322SL100Hydrophilic PTFE, female luer lock, sterile0.2225SLPT2522SL100Hydrophilic PTFE, female luer lock, sterile0.2233SLPT3322SL50Hydrophilic PTFE, female luer lock, sterile0.4513SLPT1345SL100Hydrophilic PTFE, female luer lock, sterile0.4525SLPT2545SL100Hydrophilic PTFE, female luer lock, sterile0.4533SLPT3345SL50Hydrophilic PTFE/GF Pre-filter, female luer lock, sterile0.2213SLPT1322SLG100Hydrophilic PTFE/GF Pre-filter, female luer lock, sterile0.2225SLPT2522SLG100Hydrophilic PTFE/GF Pre-filter, female luer lock, sterile0.2233SLPT3322SLG50Hydrophilic PTFE/GF Pre-filter, female luer lock, sterile0.2233SLPT3322SLG50Hydrophilic PTFE/GF Pre-filter, female luer lock, sterile0.4513SLPT1345SLG100Hydrophilic PTFE/GF Pre-filter, female luer lock, sterile0.4525SLPT2545SLG100Hydrophilic PTFE/PP Pre-filter, female luer lock, sterile0.2213SLPT1322SLP100Hydrophilic PTFE/PP Pre-filter, female luer lock, sterile0.2225SLPT2522SLP100
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Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile0.2233SLPT3322SLG50Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile0.2250SLPT5022SLG25Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile0.4513SLPT1345SLG100Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile0.4525SLPT2545SLG100Hydrophilic PTFE/PP Pre-filter , female luer lock, sterile0.2213SLPT1322SLP100Hydrophilic PTFE/PP Pre-filter , female luer lock, sterile0.2225SLPT2522SLP100
Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile0.2250SLPT5022SLG25Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile0.4513SLPT1345SLG100Hydrophilic PTFE/GF Pre-filter , female luer lock, sterile0.4525SLPT2545SLG100Hydrophilic PTFE/PP Pre-filter , female luer lock, sterile0.2213SLPT1322SLP100Hydrophilic PTFE/PP Pre-filter , female luer lock, sterile0.2225SLPT2522SLP100
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Hydrophilic PTFE/PP Pre-filter , female luer lock, sterile0.2213SLPT1322SLP100Hydrophilic PTFE/PP Pre-filter , female luer lock, sterile0.2225SLPT2522SLP100
Hydrophilic PTFE/PP Pre-filter , female luer lock, sterile 0.22 25 SLPT2522SLP 100
Hydrophilic PTFE/PP Pre-filter , female luer lock, sterile 0.22 33 SLPT3322SLP 50
Hydrophilic PTFE/PP Pre-filter , female luer lock, sterile 0.22 50 SLPT5022SLP 25
Hydrophilic PTFE/PP Pre-filter , female luer lock, sterile 0.45 13 SLPT1345SLP 100
Hydrophilic PTFE/PP Pre-filter , female luer lock, sterile 0.45 25 SLPT2545SLP 100
PES (4mm, 13mm, 20mm, 25mm, 33mm, 50mm/0.1um, 0.22um, 0.45um, 0.65um, 0.8um,1.2um)
PES,female luer lock ,non-sterile 0.22 4 SLPES0422N 100
PES,female luer lock ,non-sterile 0.22 13 SLPES1322N 100
PES,female luer lock ,non-sterile 0.22 25 SLPES2522N 100
PES,female luer lock ,non-sterile0.2225SLPES2522N100PES,female luer lock ,non-sterile0.2233SLPES3322N50
PES,female luer lock ,non-sterile 0.22 33 SLPES3322N 50
PES,female luer lock ,non-sterile0.2233SLPES3322N50PES,female luer lock ,non-sterile0.2250SLPES5022N25
PES,female luer lock ,non-sterile0.2233SLPES3322N50PES,female luer lock ,non-sterile0.2250SLPES5022N25PES,female luer lock ,non-sterile0.454SLPES0445N100
PES,female luer lock ,non-sterile 0.22 33 SLPES3322N 50 PES,female luer lock ,non-sterile 0.22 50 SLPES5022N 25 PES,female luer lock ,non-sterile 0.45 4 SLPES0445N 100 PES,female luer lock ,non-sterile 0.45 13 SLPES1345N 100
PES,female luer lock ,non-sterile 0.22 33 SLPES3322N 50 PES,female luer lock ,non-sterile 0.22 50 SLPES5022N 25 PES,female luer lock ,non-sterile 0.45 4 SLPES0445N 100 PES,female luer lock ,non-sterile 0.45 13 SLPES1345N 100 PES,female luer lock ,non-sterile 0.45 25 SLPES2545N 100



PES/GF Pre-filter ,female luer lock ,non-sterile	0.22	25	SLPES2522NG	100
PES/GF Pre-filter ,female luer lock ,non-sterile	0.22	33	SLPES3322NG	50
PES/GF Pre-filter ,female luer lock ,non-sterile	0.22	50	SLPES5022NG	25
PES/GF Pre-filter ,female luer lock ,non-sterile	0.45	13	SLPES1345NG	100
PES/GF Pre-filter ,female luer lock ,non-sterile	0.45	25	SLPES2545NG	100
PES/GF Pre-filter ,female luer lock ,non-sterile	0.45	33	SLPES3345NG	50
PES/GF Pre-filter ,female luer lock ,non-sterile	0.45	50	SLPES5045NG	25
PES/PP Pre-filter ,female luer lock ,non-sterile	0.22	13	SLPES1322NP	100
PES/PP Pre-filter ,female luer lock ,non-sterile	0.22	25	SLPES2522NP	100
PES/PP Pre-filter ,female luer lock ,non-sterile	0.22	33	SLPES3322NP	50
PES/PP Pre-filter ,female luer lock ,non-sterile	0.22	50	SLPES5022NP	25
PES/PP Pre-filter ,female luer lock ,non-sterile	0.45	13	SLPES1345NP	100
PES/PP Pre-filter ,female luer lock ,non-sterile	0.45	25	SLPES2545NP	100
PES/PP Pre-filter ,female luer lock ,non-sterile	0.45	33	SLPES3345NP	50
PES/PP Pre-filter ,female luer lock ,non-sterile	0.45	50	SLPES5045NP	25
PES, female luer lock, sterile	0.22	13	SLPES1322S	100
PES, female luer lock, sterile	0.22	25	SLPES2522S	100
PES, female luer lock, sterile	0.22	33	SLPES3322S	50
PES, female luer lock, sterile	0.45	13	SLPES1345S	100
PES, female luer lock, sterile	0.45	25	SLPES2545S	100
PES, female luer lock, sterile	0.45	33	SLPES3345S	50
PES/GF Pre-filter ,female luer lock, sterile	0.22	13	SLPES1322SG	100
PES/GF Pre-filter ,female luer lock, sterile	0.22	25	SLPES2522SG	100
PES/GF Pre-filter ,female luer lock, sterile	0.22	33	SLPES3322SG	50
PES/GF Pre-filter ,female luer lock, sterile	0.45	13	SLPES1345SG	100
PES/GF Pre-filter ,female luer lock, sterile	0.45	25	SLPES2545SG	100
PES/GF Pre-filter ,female luer lock, sterile	0.45	33	SLPES3345SG	50
PES/PP Pre-filter ,female luer lock, sterile	0.22	13	SLPES1322SP	100
PES/PP Pre-filter ,female luer lock, sterile	0.22	25	SLPES2522SP	100
PES/PP Pre-filter ,female luer lock, sterile	0.22	33	SLPES3322SP	50
PES/PP Pre-filter ,female luer lock, sterile	0.45	13	SLPES1345SP	100
PES/PP Pre-filter ,female luer lock, sterile	0.45	25	SLPES2545SP	100
PES/PP Pre-filter ,female luer lock, sterile	0.45	33	SLPES3345SP	50
CA (4mm, 13mm, 20mm, 25mm, 33mm, 50mm/0.1um, 0.22	2um, 0.45um, 0	.8um, 1.0u	ım, 3.0um,5.0um)	
CA,female luer lock ,non-sterile	0.22	4	SLCA0422N	100
CA,female luer lock ,non-sterile	0.22	13	SLCA1322N	100
CA,female luer lock ,non-sterile	0.22	25	SLCA2522N	100
CA,female luer lock ,non-sterile	0.22	33	SLCA3322N	50
CA,female luer lock ,non-sterile	0.22	50	SLCA5022N	25
CA,female luer lock ,non-sterile	0.45	4	SLCA0445N	100
CA,female luer lock ,non-sterile	0.45	13	SLCA1345N	100
CA,female luer lock ,non-sterile	0.45	25	SLCA2545N	100



CA,female luer lock ,non-sterile	0.45	33	SLCA3345N	50
CA,female luer lock ,non-sterile	0.45	50	SLCA5045N	25
CA/GF Pre-filter ,female luer lock ,non-sterile	0.22	13	SLCA1322NG	100
CA/GF Pre-filter ,female luer lock ,non-sterile	0.22	25	SLCA2522NG	100
CA/GF Pre-filter ,female luer lock ,non-sterile	0.22	33	SLCA3322NG	50
CA/GF Pre-filter ,female luer lock ,non-sterile	0.22	50	SLCA5022NG	25
CA/GF Pre-filter ,female luer lock ,non-sterile	0.45	13	SLCA1345NG	100
CA/GF Pre-filter ,female luer lock ,non-sterile	0.45	25	SLCA2545NG	100
CA/GF Pre-filter ,female luer lock ,non-sterile	0.45	33	SLCA3345NG	50
CA/GF Pre-filter ,female luer lock ,non-sterile	0.45	50	SLCA5045NG	25
CA/PP Pre-filter ,female luer lock ,non-sterile	0.22	13	SLCA1322NP	100
CA/PP Pre-filter ,female luer lock ,non-sterile	0.22	25	SLCA2522NP	100
CA/PP Pre-filter ,female luer lock ,non-sterile	0.22	33	SLCA3322NP	50
CA/PP Pre-filter ,female luer lock ,non-sterile	0.22	50	SLCA5022NP	25
CA/PP Pre-filter ,female luer lock ,non-sterile	0.45	13	SLCA1345NP	100
CA/PP Pre-filter ,female luer lock ,non-sterile	0.45	25	SLCA2545NP	100
CA/PP Pre-filter ,female luer lock ,non-sterile	0.45	33	SLCA3345NP	50
CA/PP Pre-filter ,female luer lock ,non-sterile	0.45	50	SLCA5045NP	25
CA, female luer lock, sterile	0.22	4	SLCA0422S	100
CA, female luer lock, sterile	0.22	13	SLCA1322S	100
CA, female luer lock, sterile	0.22	25	SLCA2522S	100
CA, female luer lock, sterile	0.22	33	SLCA3322S	50
CA, female luer lock, sterile	0.22	50	SLCA5022S	25
CA, female luer lock, sterile	0.45	4	SLCA0445S	100
CA, female luer lock, sterile	0.45	13	SLCA1345S	100
CA, female luer lock, sterile	0.45	25	SLCA2545S	100
CA, female luer lock, sterile	0.45	33	SLCA3345S	50
CA, female luer lock, sterile	0.45	50	SLCA5045S	25
CA/GF Pre-filter , female luer lock, sterile	0.22	13	SLCA1322SG	100
CA/GF Pre-filter , female luer lock, sterile	0.22	25	SLCA2522SG	100
CA/GF Pre-filter , female luer lock, sterile	0.22	33	SLCA3322SG	50
CA/GF Pre-filter , female luer lock, sterile	0.22	50	SLCA5022SG	25
CA/GF Pre-filter , female luer lock, sterile	0.45	13	SLCA1345SG	100
CA/GF Pre-filter , female luer lock, sterile	0.45	25	SLCA2545SG	100
CA/GF Pre-filter , female luer lock, sterile	0.45	33	SLCA3345SG	50
CA/GF Pre-filter , female luer lock, sterile	0.45	50	SLCA5045SG	25
CA/PP Pre-filter , female luer lock, sterile	0.22	13	SLCA1322SP	100
CA/PP Pre-filter , female luer lock, sterile	0.22	25	SLCA2522SP	100
CA/PP Pre-filter , female luer lock, sterile	0.22	33	SLCA3322SP	50
CA/PP Pre-filter , female luer lock, sterile	0.22	50	SLCA5022SP	25
CA/PP Pre-filter , female luer lock, sterile	0.45	13	SLCA1345SP	100
CA/PP Pre-filter , female luer lock, sterile	0.45	25	SLCA2545SP	100



CA/PP Pre-filter , female luer lock, sterile	0.45	33	SLCA3345SP	50
CA/PP Pre-filter , female luer lock, sterile	0.45	50	SLCA5045SP	25
PVDF (4mm, 13mm, 20mm, 25mm, 33mm, 50mm/0.1ur	n, 0.22um, 0.45um	, 0.65um,	1.0um, 3.0um, 5.0um	1)
PVDF,female luer lock ,non-sterile	0.22	4	SLPV0422N	100
PVDF,female luer lock ,non-sterile	0.22	13	SLPV1322N	100
PVDF,female luer lock ,non-sterile	0.22	25	SLPV2522N	100
PVDF,female luer lock ,non-sterile	0.22	33	SLPV3322N	50
PVDF,female luer lock ,non-sterile	0.22	50	SLPV5022N	25
PVDF,female luer lock ,non-sterile	0.45	4	SLPV0445N	100
PVDF,female luer lock ,non-sterile	0.45	13	SLPV1345N	100
PVDF,female luer lock ,non-sterile	0.45	25	SLPV2545N	100
PVDF,female luer lock ,non-sterile	0.45	33	SLPV3345N	50
PVDF,female luer lock ,non-sterile	0.45	50	SLPV5045N	25
PVDF/GF Pre-filter ,female luer lock ,non-sterile	0.22	13	SLPV1322NG	100
PVDF/GF Pre-filter ,female luer lock ,non-sterile	0.22	25	SLPV2522NG	100
PVDF/GF Pre-filter ,female luer lock ,non-sterile	0.22	33	SLPV3322NG	50
PVDF/GF Pre-filter ,female luer lock ,non-sterile	0.22	50	SLPV5022NG	25
PVDF/GF Pre-filter ,female luer lock ,non-sterile	0.45	13	SLPV1345NG	100
PVDF/GF Pre-filter ,female luer lock ,non-sterile	0.45	25	SLPV2545NG	100
PVDF/GF Pre-filter ,female luer lock ,non-sterile	0.45	33	SLPV3345NG	50
PVDF/GF Pre-filter ,female luer lock ,non-sterile	0.45	50	SLPV5045NG	25
PVDF/PP Pre-filter ,female luer lock ,non-sterile	0.22	13	SLPV1322NP	100
PVDF/PP Pre-filter ,female luer lock ,non-sterile	0.22	25	SLPV2522NP	100
PVDF/PP Pre-filter ,female luer lock ,non-sterile	0.22	33	SLPV3322NP	50
PVDF/PP Pre-filter ,female luer lock ,non-sterile	0.22	50	SLPV5022NP	25
PVDF/PP Pre-filter ,female luer lock ,non-sterile	0.45	13	SLPV1345NP	100
PVDF/PP Pre-filter ,female luer lock ,non-sterile	0.45	25	SLPV2545NP	100
PVDF/PP Pre-filter ,female luer lock ,non-sterile	0.45	33	SLPV3345NP	50
PVDF/PP Pre-filter ,female luer lock ,non-sterile	0.45	50	SLPV5045NP	25
PVDF, female luer lock, sterile	0.22	13	SLPV1322S	100
PVDF, female luer lock, sterile	0.22	25	SLPV2522S	100
PVDF, female luer lock, sterile	0.22	33	SLPV3322S	50
PVDF, female luer lock, sterile	0.45	13	SLPV1345S	100
PVDF, female luer lock, sterile	0.45	25	SLPV2545S	100
PVDF, female luer lock, sterile	0.45	33	SLPV3345S	50
PVDF/GF Pre-filter , female luer lock, sterile	0.22	13	SLPV1322SG	100
PVDF/GF Pre-filter , female luer lock, sterile	0.22	25	SLPV2522SG	100
PVDF/GF Pre-filter , female luer lock, sterile	0.22	33	SLPV3322SG	50
PVDF/GF Pre-filter , female luer lock, sterile	0.45	13	SLPV1345SG	100
PVDF/GF Pre-filter , female luer lock, sterile	0.45	25	SLPV2545SG	100
PVDF/GF Pre-filter , female luer lock, sterile	0.45	33	SLPV3345SG	50
PVDF/PP Pre-filter , female luer lock, sterile	0.22	13	SLPV1322SP	100



PVDF/PP Pre-filter , female luer lock, sterile	0.22	25	SLPV2522SP	100
PVDF/PP Pre-filter , female luer lock, sterile	0.22	33	SLPV3322SP	50
PVDF/PP Pre-filter , female luer lock, sterile	0.45	13	SLPV1345SP	100
PVDF/PP Pre-filter , female luer lock, sterile	0.45	25	SLPV2545SP	100
PVDF/PP Pre-filter , female luer lock, sterile	0.45	33	SLPV3345SP	50
MCE (4mm, 13mm, 20mm, 25mm, 33mm, 50mm/0.1um	, 0.22um, 0.45um,	0.8um, 1.0	Oum, 3.0um, 5.0um)	
MCE,female luer lock ,non-sterile	0.22	4	SLMCE0422N	100
MCE,female luer lock ,non-sterile	0.22	13	SLMCE1322N	100
MCE,female luer lock ,non-sterile	0.22	25	SLMCE2522N	100
MCE,female luer lock ,non-sterile	0.22	33	SLMCE3322N	50
MCE,female luer lock ,non-sterile	0.22	50	SLMCE5022N	25
MCE,female luer lock ,non-sterile	0.45	4	SLMCE0445N	100
MCE,female luer lock ,non-sterile	0.45	13	SLMCE1345N	100
MCE,female luer lock ,non-sterile	0.45	25	SLMCE2545N	100
MCE,female luer lock ,non-sterile	0.45	33	SLMCE3345N	50
MCE,female luer lock ,non-sterile	0.45	50	SLMCE5045N	25
MCE/GF Pre-filter ,female luer lock ,non-sterile	0.22	13	SLMCE1322NG	100
MCE/GF Pre-filter ,female luer lock ,non-sterile	0.22	25	SLMCE2522NG	100
MCE/GF Pre-filter ,female luer lock ,non-sterile	0.22	33	SLMCE3322NG	50
MCE/GF Pre-filter ,female luer lock ,non-sterile	0.22	50	SLMCE5022NG	25
MCE/GF Pre-filter ,female luer lock ,non-sterile	0.45	13	SLMCE1345NG	100
MCE/GF Pre-filter ,female luer lock ,non-sterile	0.45	25	SLMCE2545NG	100
MCE/GF Pre-filter ,female luer lock ,non-sterile	0.45	33	SLMCE3345NG	50
MCE/GF Pre-filter ,female luer lock ,non-sterile	0.45	50	SLMCE5045NG	25
MCE/PP Pre-filter ,female luer lock ,non-sterile	0.22	13	SLMCE1322NP	100
MCE/PP Pre-filter ,female luer lock ,non-sterile	0.22	25	SLMCE2522NP	100
MCE/PP Pre-filter ,female luer lock ,non-sterile	0.22	33	SLMCE3322NP	50
MCE/PP Pre-filter ,female luer lock ,non-sterile	0.22	50	SLMCE5022NP	25
MCE/PP Pre-filter ,female luer lock ,non-sterile	0.45	13	SLMCE1345NP	100
MCE/PP Pre-filter ,female luer lock ,non-sterile	0.45	25	SLMCE2545NP	100
MCE/PP Pre-filter ,female luer lock ,non-sterile	0.45	33	SLMCE3345NP	50
MCE/PP Pre-filter ,female luer lock ,non-sterile	0.45	50	SLMCE5045NP	25
MCE, female luer lock, sterile	0.22	13	SLMCE1322S	100
MCE, female luer lock, sterile	0.22	25	SLMCE2522S	100
MCE, female luer lock, sterile	0.22	33	SLMCE3322S	50
MCE, female luer lock, sterile	0.45	13	SLMCE1345S	100
MCE, female luer lock, sterile	0.45	25	SLMCE2545S	100
MCE, female luer lock, sterile	0.45	33	SLMCE3345S	50
MCE/GF Pre-filter , female luer lock, sterile	0.22	13	SLMCE1322SG	100
MCE/GF Pre-filter , female luer lock, sterile	0.22	25	SLMCE2522SG	100
MCE/GF Pre-filter , female luer lock, sterile	0.22	33	SLMCE3322SG	50
MCE/GF Pre-filter , female luer lock, sterile	0.45	13	SLMCE1345SG	100



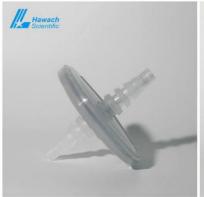
MCE/GF Pre-filter , female luer lock, sterile	0.45	25	SLMCE2545SG	100				
MCE/GF Pre-filter , female luer lock, sterile	0.45	33	SLMCE3345SG	50				
MCE/PP Pre-filter , female luer lock, sterile	0.22	13	SLMCE1322SP	100				
MCE/PP Pre-filter , female luer lock, sterile	0.22	25	SLMCE2522SP	100				
MCE/PP Pre-filter , female luer lock, sterile	0.22	33	SLMCE3322SP	50				
MCE/PP Pre-filter , female luer lock, sterile	0.45	13	SLMCE1345SP	100				
MCE/PP Pre-filter , female luer lock, sterile	0.45	25	SLMCE2545SP	100				
MCE/PP Pre-filter , female luer lock, sterile	0.45	33	SLMCE3345SP	50				
Glass Fiber (4mm, 13mm, 20mm, 25mm, 33mm, 50mm/0.45,1.0um, 1.6um)								
Glass Fiber,female luer lock ,non-sterile	0.45	4	SLGF04045N	100				
Glass Fiber,female luer lock ,non-sterile	0.45	13	SLGF13045N	100				
Glass Fiber,female luer lock ,non-sterile	0.45	25	SLGF25045N	100				
Glass Fiber,female luer lock ,non-sterile	0.45	33	SLGF33045N	50				
Glass Fiber,female luer lock ,non-sterile	0.45	50	SLGF50045N	25				
Glass Fiber,female luer lock ,non-sterile	1.0	4	SLGF04100N	100				
Glass Fiber,female luer lock ,non-sterile	1.0	13	SLGF13100N	100				
Glass Fiber,female luer lock ,non-sterile	1.0	25	SLGF25100N	100				
Glass Fiber,female luer lock ,non-sterile	1.0	33	SLGF33100N	50				
Glass Fiber,female luer lock ,non-sterile	1.0	50	SLGF50100N	25				
Glass Fiber,female luer lock ,non-sterile	1.6	4	SLGF04160N	100				
Glass Fiber,female luer lock ,non-sterile	1.6	13	SLGF13160N	100				
Glass Fiber,female luer lock ,non-sterile	1.6	25	SLGF25160N	100				
Glass Fiber,female luer lock ,non-sterile	1.6	33	SLGF33160N	50				
Glass Fiber,female luer lock ,non-sterile	1.6	50	SLGF50160N	25				
Glass Fiber, female luer lock, sterile	0.45	13	SLGF13045S	100				
Glass Fiber, female luer lock, sterile	0.45	25	SLGF25045S	100				
Glass Fiber, female luer lock, sterile	0.45	33	SLGF33045S	50				
Glass Fiber, female luer lock, sterile	1.0	13	SLGF13100S	100				
Glass Fiber, female luer lock, sterile	1.0	25	SLGF25100S	100				
Glass Fiber, female luer lock, sterile	1.0	33	SLGF33100S	50				
Glass Fiber, female luer lock, sterile	1.6	13	SLGF13160S	100				
Glass Fiber, female luer lock, sterile	1.6	25	SLGF25160S	100				
Glass Fiber, female luer lock, sterile	1.6	33	SLGF33160S	50				
PP (4mm, 13mm, 20mm, 25mm, 33mm, 50mm/ 0.1um, 0.2	2um, 0.45um, 1u	m, 3um, 5	um,10um,20um,30um)				
PP,female luer lock ,non-sterile	0.22	4	SLPP0422N	100				
PP,female luer lock ,non-sterile	0.22	13	SLPP1322N	100				
PP,female luer lock ,non-sterile	0.22	25	SLPP2522N	100				
PP,female luer lock ,non-sterile	0.22	33	SLPP3322N	50				
PP,female luer lock ,non-sterile	0.22	50	SLPP5022N	25				
PP,female luer lock ,non-sterile	0.45	4	SLPP0445N	100				
PP,female luer lock ,non-sterile	0.45	13	SLPP1345N	100				
PP,female luer lock ,non-sterile	0.45	25	SLPP2545N	100				



PP,female luer lock ,non-sterile	0.45	33	SLPP3345N	50
PP,female luer lock ,non-sterile	0.45	50	SLPP5045N	25
PP,female luer lock ,non-sterile	1.0	4	SLPP04100N	100
PP,female luer lock ,non-sterile	1.0	13	SLPP13100N	100
PP,female luer lock ,non-sterile	1.0	25	SLPP25100N	100
PP,female luer lock ,non-sterile	1.0	33	SLPP33100N	50
PP,female luer lock ,non-sterile	1.0	50	SLPP50100N	25
PP,female luer lock ,non-sterile	1.6	4	SLPP04160N	100
PP,female luer lock ,non-sterile	1.6	13	SLPP13160N	100
PP,female luer lock ,non-sterile	1.6	25	SLPP25160N	100
PP,female luer lock ,non-sterile	1.6	33	SLPP33160N	50
PP,female luer lock ,non-sterile	1.6	50	SLPP50160N	25
PP, female luer lock, sterile	1.0	13	SLPP13100S	100
PP, female luer lock, sterile	1.0	25	SLPP25100S	100
PP, female luer lock, sterile	1.0	33	SLPP33100S	50
PP, female luer lock, sterile	1.6	13	SLPP13160S	100
PP, female luer lock, sterile	1.6	25	SLPP25160S	100
PP, female luer lock, sterile	1.6	33	SLPP33160S	50

Activated Carbon Syringe Filter

Activated carbon syringe filter is a filter filled with high-purity, high-efficiency, acid-washed, activated carbon and a High Efficiency Particulate Air (HEPA) filter. It is made specifically for adsorption of organic vapors, chlorine, decolorizing liquids and several heavy metal. The special stepped barb design make it connect with hosepipe which widely used in laboratory for removing Oxide, coloring substance and organic impurity from fluid.







Features

Available diameter: 50 mm Available pore size: 5 um

Widest chemical compatibility range

Stepped barb inlet and outlet suitable for linking with hosepipe

Extremely pure filter and thermofussion welding with very low extractable levels



Excellent adsorption media for color, organics, chlorine, and several heavy metal

Applications

Especially use for adsorption of organic vapors, chlorine, decolorizing liquids and several heavy metal.

Technical Data

Diameter	50mm
Housing	Medical PP
Pore Size	5um
Filtration Area	19.8cm ²
Process Volume	5000ml
Hold-up Volume	<350ul
Inlet	Stepped barb
Outlet	Stepped barb
Operate temperature	60℃
Maximum Operating Pressure (@23℃)	≥3bar

Item code	Pore Size(um)	Diameter(mm)	Sterile	Quantity/pack
SLAC50500N	5	50	No	25pcs
SLAC50500S	5	50	Yes	25pcs