



LAB FILTRATION PRODUCTS



Count on RephiLe to filter out your concerns!

RephiQuik Syringe Filters – Sterile and Non-sterile

Reliable Manufacturing Process

These filters are manufactured in a controlled environment and employ best performing name-brand membranes and housing materials to ensure reliable and consistent performance.

Fast and High Quality Results

Unique designs bring larger effective filtration area and reduced hold-up volume, which result in faster filtration speeds and higher recovery of samples.

Higher Operating Pressure

The patented housing sealing and overmolding technology improve burst pressure and eliminates leaks. It is easier and more efficient to filter your sample solutions.

Low Extractables & Broad Chemical Compatibility

High quality polypropylene housing materials and membranes used in filters are low in extractables that can interfere with your analysis work.

Color-coded

The color band on the housing clearly indicates the membrane type inside the filter thus to ensure a convenient selection in each laboratory task.



RephiQuik 32 mm Sterile Syringe Filters

RephiQuik disposable 32 mm sterile syringe filters are mainly used in the filtration of tissue culture media/additives, sterilizing buffers, sterilizing biological solutions or for other life science sample preparation applications. Three membranes are available for 32 mm sterile syringe filters: polyethersulfone (PES), polyvinylidene difluoride (PVDF) and mixed cellulose esters (MCE), from which you can select one device with the speed, low binding and recovery you need. The filters are EO sterilized and individually packaged in a standard 100-unit pack.

Variety of Membrane Choices with Color Code

- **PES** membrane features a faster flow rate and higher throughput
- **PVDF** membrane features a fast flow rate with prominent low protein and preservative binding
- **MCE** membrane provides reliable, general purpose filters of water or other aqueous solutions



RephiQuik 32mm Sterile Filter Specifications

Dimensions	Diameter	32 mm
	Effective Filtration Area	4.4 cm ²
	Length, Inlet to outlet	26 mm
Housing Material	Polypropylene (PP)	
Membrane Materials	PES (green), PVDF (yellow), MCE (red)	
Fittings	Inlet: Female Luer-Lok Outlet: Male Luer slip	
Maximum Process Volume	Filters with MCE or PVDF membrane: 100 mL Filters with PES membrane: 200 mL	
Hold-up Volume	≤ 80 µL (after air purge)	
Maximum Operating Pressure	10 bar (145 psi)	
Maximum Operating Temperature	45 °C	
Sterilization Method	EO (Ethylene oxide)	

Ordering Information

Membrane Type	Out-ring Color	Units/Pk	Diameter (mm)	Pore Size (µm)	Catalogue No.
PES	Green	100	32	0.22	RJP3222SH
				0.45	RJP3245SH
PVDF	Yellow	100	32	0.22	RJV3222SH
				0.45	RJV3245SH
MCE	Red	100	32	0.22	RJM3222SH
				0.45	RJM3245SH

RephiQuik Non-sterile Syringe Filters

RephiQuik non-sterile syringe filter is a fast and efficient tool for analytical sample preparation. As a result of high quality polypropylene (PP) housing and low extractable membranes, the filters deliver broad chemical compatibility and excellent performance consistency. The non-sterile filters are available in 13 mm & 32 mm diameters and 5 types of membranes for various application needs, such as HPLC/GC sample preparation or many other applications in pharmaceutical, environmental, biological, food, beverage and agricultural fields.

RephiQuik Non-sterile Filters Specifications

Dimensions	Diameters	13 mm	32 mm
	Effective Filtration Area	0.80 cm ²	4.4 cm ²
	Length, Inlet to outlet	21 mm	26 mm
Housing Materials	Polypropylene(PP)		
Membrane Materials	Hydrophobic PTFE (blue), MCE (red), Nylon (purple), PES (green), Hydrophilic PVDF (yellow)		
Inlet Fittings	Female Luer-Lok		
Outlet Fittings	Male Luer slip		
Process Volume	1-10 mL	10-100 mL	
Hold-up Volume (after air purge)	≤ 15 μL	≤ 80 μL	
Maximum Operating Pressure	10 bar (145 psi)	10 bar (145 psi)	
Maximum Operating Temperature	45 °C		



Order Information

Membrane Type	Out ring Color	Hydrophobicity	Diameter (mm)	Pore Size (μm)	Units/Pk	Catalogue No.			
PTFE	Blue	Hydrophobic	13	0.22	100	RJF1322NH			
					1000	RJF1322NK			
				32	0.45	100	RJF1345NH		
			1000			RJF1345NK			
			32		0.22	100	RJF3222NH		
				1000		RJF3222NK			
32	0.45	100		RJF3245NH					
		1000	RJF3245NK						
	MCE	Red	Hydrophilic	32	0.22	100	RJM3222NH		
1000						RJM3222NK			
32					0.45	100	RJM3245NH		
				1000		RJM3245NK			
				Nylon	Purple	Hydrophilic	13	0.22	100
1000									RJN1322NK
32	0.45	100	RJN1345NH						
		1000	RJN1345NK						
	32	0.22	100				RJN3222NH		
1000			RJN3222NK						
32		0.45	100	RJN3245NH					
	1000		RJN3245NK						
	PES	Green	Hydrophilic	13	0.22	100	RJP1322NH		
1000						RJP1322NK			
32					0.45	100	RJP1345NH		
				1000		RJP1345NK			
				32	0.22	100	RJP3222NH		
1000						RJP3222NK			
32	0.45	100	RJP3245NH						
		1000	RJP3245NK						
	PVDF	Yellow	Hydrophilic	13	0.22	100	RJV1322NH		
1000						RJV1322NK			
32					0.45	100	RJV1345NH		
				1000		RJV1345NK			
				32	0.22	100	RJV3222NH		
1000						RJV3222NK			
32	0.45	100	RJV3245NH						
		1000	RJV3245NK						



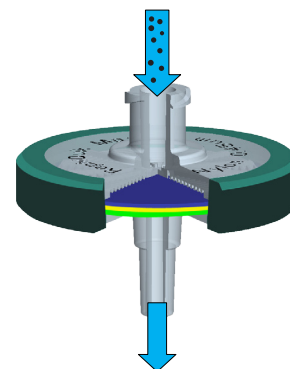
* Heavy load filters are also provided by RephiLe Biosciences. They are specially designed for removing large particles, reducing clogging and increasing throughput. Please contact RephiLe directly for detailed information.

RephiQuik Max 32 mm Non-sterile Composite Syringe Filters

RephiQuik Max 32 mm non-sterile composite syringe filters provide excellent choices for filtering hard-to-filter high particulate loaded samples up to 100 ml (The volume of sample depends on the characteristic of the sample). They can process two-to-five times more sample volume in less time than conventional filters, significantly enhancing sample preparation efficiency .

Specifications

Dimensions	Diameter	32 mm
	Effective Filtration Area	4.4 cm ²
	Length, Inlet to outlet	26 mm
Housing Material	Polypropylene (PP)	
Membrane Materials	Hydrophilic PVDF (yellow) , MCE (red), Nylon (purple), PES (green), Hydrophobic PTFE (blue)	
Pore size of Membrane	0.22µm or 0.45µm	
Inlet Fittings	Female Luer-Lok	
Outlet Fittings	Male Luer slip	
Process Volume	10 - 100 mL	
Hold-up Volume(after air purge)	< 250 µL	
Maximum Operating Pressure	10 bar (145psi)	
Maximum Operating Temperature	45°C	



RephiQuik Max filters contain 3 filtration layers, which reduce blockage and increase volume throughput.

Ordering Information

Membrane Type	Out-ring Color	Hydrophobicity	Units/Pk	Pore Size (µm)	Catalogue No.
PTFE	Blue	Hydrophobic	100	0.22	RJF3P22NH
				0.45	RJF3P45NH
Nylon	Pink	Hydrophilic	100	0.22	RJN3P22NH
				0.45	RJN3P45NH
PES	Green	Hydrophilic	100	0.22	RJP3P22NH
				0.45	RJP3P45NH
MCE*	Red	Hydrophilic	100	0.22	RJM3P22NH
				0.45	RJM3P45NH
PVDF*	Yellow	Hydrophilic	100	0.22	RJV3P22NH
				0.45	RJV3P45NH

Applications

- General filtration of hard-to-filter or viscous samples
- HPLC aqueous sample preparation
- Dissolution testing
- Buffer solutions
- Concentration analysis
- Environmental samples
- Food and beverage
- Biological sample preparation
- Tissue culture media
- Pharmaceutical

RephiQuik 50 mm PTFE Filters

RephiQuik 50 mm PTFE filter is a ready-to-connect filtration unit used in sterilization of fermentor air and the filtration of incubator gas to prevent culture media contamination, as well as sterilization or filtration of an organic solution. It can also be used between a pump and a receiving vessel to protect valves and pump components from damage by aqueous solutions.

Features

- Polypropylene housing and a supported hydrophobic porous PTFE membrane
- Allowing air and gases to pass through freely while blocking aqueous solutions and aerosol contaminants
- Light-weight design fits neatly onto laboratory gas and vacuum lines
- Autoclavable
- 2 package sizes available for supply

Specifications

Diameter		50 mm
Materials of Construction	Housing	Polypropylene (PP)
	Filter Media	PTFE
Inlet/Outlet Connections		1/4" Single Hose Barb
Pore Size		0.22 µm

Ordering Information

Membrane Type	Diameter (mm)	Pore Size (µm)	Units /Pk	Catalogue No.
PTFE	50	0.22	10	RJF502210
			50	RJF502250



316L 250 mL Stainless Steel Filter Holder, 47 mm

316L Stainless Steel Filter Holder (Single-layer filtration)

316L 2-serial Stainless Steel Filter Holder (Bi-Layer filtration)

In a 2-serial filtration, two membranes of different pore sizes are placed one over the other in sequence, which allows for the sequential filtration through two filters in a single step using the same sample.

Applications

RephiLe 316L stainless steel filter holders can be used for:

- Precise analysis of particulate contamination by vacuum filtration
- Biological contamination analysis or microbiology tests
- General liquid filtration. Purification of corrosive liquid, solvents, etc.
- Chemical experiments

Features

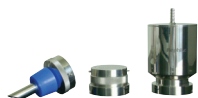
- High quality 316L stainless steel funnel offers excellent chemical resistance
- Filter funnel is electropolished to minimize potential particulate “hang-up” on sides of funnel
- The stainless steel filter support ensures a uniform distribution of the residues
- No clamp is needed for setup. Easy and fast spin-lock connection
- 2-serial filter holders save both time and sample for analysis. More convenient for applications
- The stainless steel filter holders and membrane supports can be autoclaved or flame-sterilized



Specifications

		316L Stainless Steel Filter Holder	316L 2-serial Stainless Steel Filter Holder (Bi-Layer)
Materials		316L Stainless steel top lid with hose adaptor; funnel; support screen and base; No.8 perforated silicone stopper; silicone O-ring	316L Stainless steel top lid with hose adaptor; funnel; support screen and base (first and second filtration); No.8 perforated silicone stopper; silicone O-ring
Funnel Capacity, mL		250	250
Filter Diameter, mm		47	47
Filtration Areas, cm ²		9	9
Dimensions	Height, cm	19.4	24.6
	Diameter, mm	76	76
Outlet		No.8 perforated silicone stopper mounts in a standard filtering flask	

Ordering Information



Catalogue No.	Description	Units /Pk
RX01047KT	316L Stainless Steel Filter Holder with top lid, for 47 mm filter membranes	1
RX02047KT	316L Bi-Layer Stainless Steel Filter Holder with top lid, for 47 mm filter membranes	1

Replacement Parts

Catalogue No.	Description	Qty/Pk
RX0104701	① 316L Stainless steel top cap with connector for 4 mm I.D. hose	1
RX0104702	② 316L Stainless steel Funnel, 250 mL	1
RX0104703	④ Stainless steel support screen	1
RX0104705	⑤ Silicone O-ring	1
RX0204706	⑥ 316L Stainless steel base for first filtration (specially for RX02047KT)	1
RX0104707	⑦ 316L Stainless steel base	1
RX0104708	⑧ No. 8 Perforated silicone stopper, hole diameter 14.3 mm	1

* RephiLe supplies 5 types of 47 mm membranes used with above Stainless Steel Filter Holders: MCE (RCM4722NH, RCM4745NH); Nylon (RCN4722NH, RCN4745NH); PTFE (RCF4722NH, RCF4745NH); PES (RCP4722NH, RCP4745NH); PVDF (RCV4722NH, RCV4745NH).

RephiDisc Membrane Filters

RephiDisc membrane filters are available in a variety of materials such as MCE, Nylon, PTFE, PES and PVDF. The selected membranes are low in extractables that you don't have to worry about the secondary contamination from the membrane itself for your application. All RephiDisc membranes filters are autoclavable.



Membrane	Pore Size	Diameter (mm)	Units/Pk	Catalogue No.	Pore Size	Diameter (mm)	Units/Pk	Catalogue No.
MCE Hydrophilic	0.22 µm	25	500	RCM2522H5	0.45 µm	25	500	RCM2545H5
		47	100	RCM4722NH		47	100	RCM4745NH
		50	100	RCM5022NH		50	100	RCM5045NH
		90	50	RCM902250		90	50	RCM904550
		100	50	RCM1H2250		100	50	RCM1H4550
		142	50	RM1422250		142	50	RM1424550
		150	50	RM1502250		150	50	RM1504550
Nylon Hydrophilic	0.22 µm	25	500	RCN2522H5	0.45 µm	25	500	RCN2545H5
		47	100	RCN4722NH		47	100	RCN4745NH
		50	100	RCN5022NH		50	100	RCN5045NH
		90	50	RCN902250		90	50	RCN904550
		100	50	RCN1H2250		100	50	RCN1H4550
		142	50	RN1422250		142	50	RN1424550
		150	50	RN1502250		150	50	RN1504550
PTFE Hydrophobic	0.22 µm	25	500	RCF2522H5	0.45 µm	25	500	RCF2545H5
		47	100	RCF4722NH		47	100	RCF4745NH
		50	100	RCF5022NH		50	100	RCF5045NH
		90	50	RCF902250		90	50	RCF904550
		100	50	RCF1H2250		100	50	RCF1H4550
		142	50	RF1422250		142	50	RF1424550
		150	50	RF1502250		150	50	RF1504550
PES Hydrophilic	0.22 µm	25	500	RCP2522H5	0.45 µm	25	500	RCP2545H5
		47	100	RCP4722NH		47	100	RCP4745NH
		50	100	RCP5022NH		50	100	RCP5045NH
		90	50	RCP902250		90	50	RCP904550
		100	50	RCP1H2250		100	50	RCP1H4550
		142	50	RP1422250		142	50	RP1424550
		150	50	RP1502250		150	50	RP1504550
PVDF Hydrophilic	0.22 µm	25	500	RCV2522H5	0.45 µm	25	500	RCV2545H5
		47	100	RCV4722NH		47	100	RCV4745NH
		50	100	RCV5022NH		50	100	RCV5045NH
		90	50	RCV902250		90	50	RCV904550
		100	50	RCV1H2250		100	50	RCV1H4550
		142	50	RV1422250		142	50	RV1424550
		150	50	RV1502250		150	50	RV1504550

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