

RephiQuik Max 32 mm Non-sterile Syringe Filters

Specially developed for clarification of heavily particulate-loaded or viscous samples prior to laboratory analysis

RephiQuik Max 32 mm non-sterile disposable syringe filters are an excellent choice for filtering hard-to-filter high particulate loaded samples up to 100 ml (The volume of sample that can be filtered depends on the characteristic of the sample). They can generally process two-to-five times more sample volume in less time, significantly enhancing sample preparation efficiency.

A RephiQuik Max 32 mm syringe filter is produced from an extremely low extractable polypropylene housing with standard inlet and outlet connections. It includes two different kinds of filtration media – coarse glass fiber prefilterers to remove large particles and a layer of uniform 0.22 µm/0.45 µm membrane filter positioned below the prefilter stack for final filtration. This combination of media provides significantly greater throughput and faster flow rates than with conventional filters without prefiltration media, especially when filtering high particulate solutions. The construction of RephiQuik Max 32 mm syringe filters prevents the buildup of back pressure typically caused by the blocking of an unprotected membrane thus to facilitate a big sample loading capacity with fast filtration speeds.

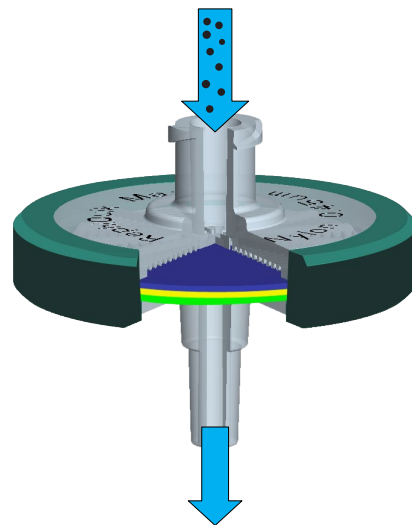
Every RephiQuik Max 32 mm filter is manufactured in a controlled environment and employs name-brand materials to ensure reliable results and consistent performance.

RephiQuik Max 32 mm filters are available with 5 types of membranes, enabling the users to match filters to their application needs.

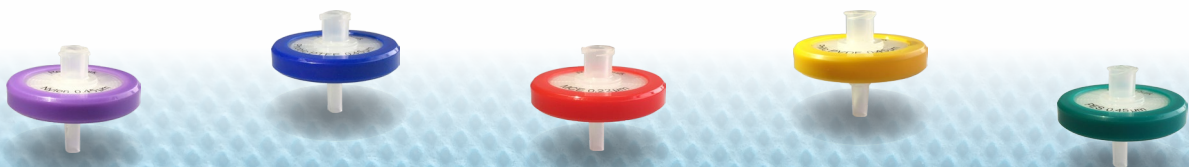
MCE	Mixtures of cellulose acetate and cellulose nitrate
PVDF	Polyvinylidene Difluoride
PES	Polyethersulfone
PTFE	Polytetrafluoroethylene
Nylon	

Features

- Larger filtration area , 44% greater in comparison with 25 mm
- Integrated combination of filtering media increases volume throughput and flow rates
- Prefilters substantially reduce blockage and the needs to replace the filter in the middle of filtration
- Extended usage life and reduced cost
- Convenient, less hand pressure required
- Adhesive or glues-free seals eliminate potential sample contamination; wide sample compatibility
- Low hold-up volumes for maximum sample recovery



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



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

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	

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

*Coming Soon. Contact Rephile for availability.

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