

## RephiQuik Max 32 mm Multi-layer Syringe Filters

**Composite filters developed for clarification of heavily particulate-loaded or viscous samples prior to laboratory analysis**

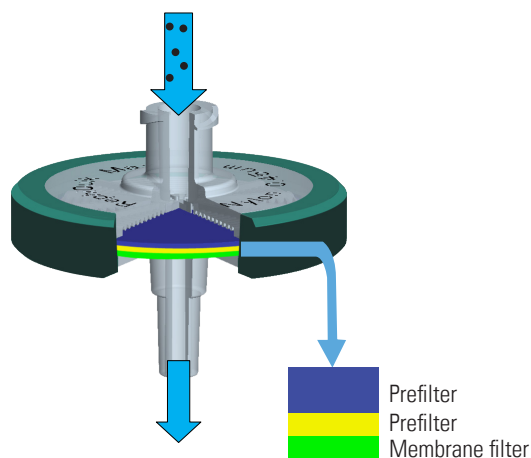
RephiQuik Max 32 mm multi-layer non-sterile disposable syringe filters are an excellent choice for filtering hard-to-filter samples, with decreased hand force and increased volume throughput. Compared with single-layer conventional filters, two-to-five times more sample volume can be processed easily and efficiently in less time with a RephiQuik Max multi-layer filter. The RephiQuik Max is designed for quick, efficient filtration of difficult or viscous solutions in order to enhance users' laboratory efficiency, loading capacity up to 100 ml dependable on the sample characteristic.

A RephiQuik Max 32 mm syringe filter is produced from an extremely low extractable polypropylene housing with standard inlet and outlet connections. It includes multi layers of filtration media – two layers of coarse glass fiber prefilters to remove large particles and one layer of uniform 0.22 µm/0.45 µm membrane filter positioned below the prefilter stack to retain fine particles. This combination of purification media ensures significantly greater throughput and faster flow rates than with conventional filters with no prefilters, especially when filtering high particulate solutions. The construction of RephiQuik Max 32 mm multi-layer syringe filters also 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 stringently selected filtration materials to ensure reliable results and consistent performance, integrity as well.

RephiQuik Max 32 mm multi-layer filters are available with 3 types of membranes, enabling the users to match filters to their application needs.

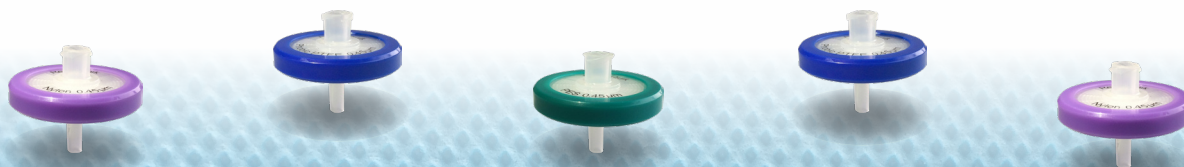
**PES** Polyethersulfone  
**PTFE** Polytetrafluorethylene  
**Nylon** Polyamide



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

### 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
- Color-Coded



## Applications

- General filtration of hard-to-filter or viscous samples
- HPLC/GC 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 <sup>2</sup>
	Length, Inlet to outlet	26 mm
Housing Material		Polypropylene (PP)
Membrane Materials		Nylon (purple), PES (green), Hydrophobic PTFE (blue)
Pore size of Membrane		0.22 µm or 0.45 µm
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 (145 psi)
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	Purple	Hydrophilic	100	0.22	RJN3P22NH
				0.45	RJN3P45NH
PES	Green	Hydrophilic	100	0.22	RJP3P22NH
				0.45	RJP3P45NH

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Lit. No.: RFPR1692303

