AHLSTROM

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High Capacity Syringe Filters

Ahlstrom ReliaMAX™

Ahlstrom offers a range of advanced syringe filters for difficult sample preparation that include multiple layers of custom prefilters

Ahlstrom's ReliaMAX™ syringe filters contain prefilters specifically developed to increase the efficiency of laboratory microfiltration applications by reducing the number of steps needed to process samples and solutions with either a high particle load or a high viscosity if standard syringe filters are used.

ReliaMAX™ includes high quality nylon membranes available in 0.2 µm and 0.45 µm pore sizes for increased flexibility in sample filtration depending on final application.

Applications:

- Clarification of solutions
- Removal of particles
- Sample preparation

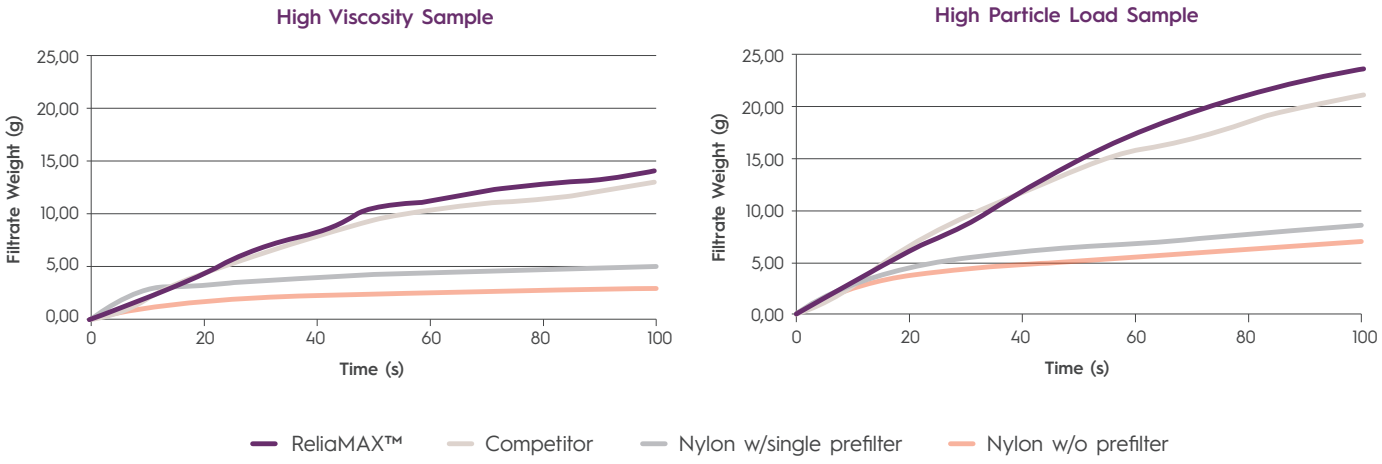
Benefits of Multi-Layer Prefilters:

- **High particle holding capacity** – larger amount of particles can be captured prior to clogging the membrane
- **Fast initial flow** – the specific structure of ReliaMAX™ offers excellent flow with viscous samples
- **Low resistance to pressure** – fast and efficient filtration even with low pushing pressure
- Available with standard membrane media

Characteristics and Benefits

Ahlstrom's expertise in creating filtration media is designed into this advanced syringe filter which contains two of our microfiber glass filter media providing a total of three layers of decreasing porosity to better capture larger particles before they reach the more easily blocked polymeric membrane filter.

Internal testing shows that ReliaMAX™'s filter design performs better than syringe filters containing a membrane with a single layer prefilter and comparably with competitive syringe filters containing multi-layer prefilters when filtering standardized solutions.



Membrane	Diameter mm	Pore size µm	Hold-up Volume µl	Housing	Inlet/Outlet	Pack of 100
Nylon	25	0.2	<400 µl	PP	Female Luer Lock / Male Luer Slip	7X7531
Nylon	25	0.45	<400 µl	PP	Female Luer Lock / Male Luer Slip	7X7532
PTFE	25	0.2	<400 µl	PP	Female Luer Lock / Male Luer Slip	7X7539
PTFE	25	0.45	<400 µl	PP	Female Luer Lock / Male Luer Slip	7X7512

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