



# High Capacity Syringe Filters

## Ahlstrom-Munksjö ReliaMAX™

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

Ahlstrom-Munksjö'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

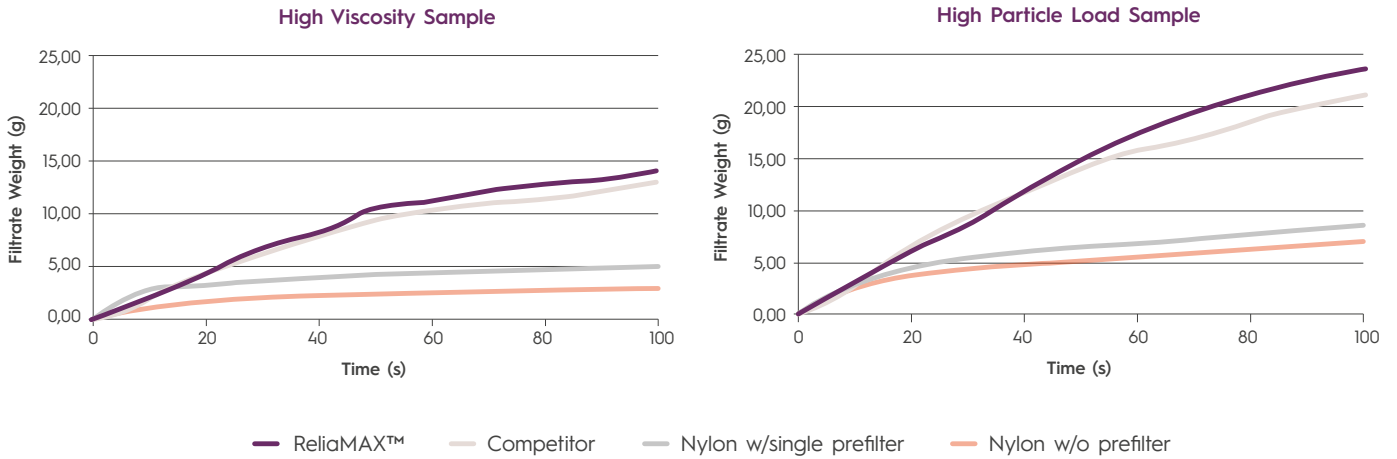
### Benefits of Multi-Layer Prefilters:

- **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-Munksjö'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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