

Nest Syringe Filter Information

Product description

Nest Syringe Filters are available in a variety of sizes and membranes for both sterile and non-sterile laboratory applications. The most commonly type of membrane for sterile syringe filters is PES. PES membrane features high flow and low protein adsorption, which can meet the broad applications, such as buffer, protein, culture medium, additives and so on.

Features

1. Transparent PP housing: Allows users to observe contaminants in filtrate and filtration process
2. Ultrasonically welded: Maximizes effective filtration area (EFA)
3. Specifically designed to maximize sample recovery: Minimal sample hold-up volume
4. Available pre-sterilized and individually packaged: Ensures sterility during sample preparation
5. Broad Compatibility: Making them suitable for many types of applications and solvents

Application Directions and Types

- HPLC sample preparation
- Routine QC analysis
- Removal of protein precipitates
- Dissolution testing
- Food analysis
- Sterile filtration and clarification of biological fluids
- Environmental samples
- Tissue culture media preparation
- Sterile filtration and clarification of biological fluids
- Protein and enzyme filtrations
- Hybridization buffers

Nest Syringe Filters have the following features:

- Superior flow rate
- High total throughput
- Broad range of membrane types
- Various diameters
- Low extractables
- Consistent particle retention



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Choosing the Right Diameter

	13mm	25mm
Filtration Area (cm ²):	1.09	4.08
Housing Material:	PP	pp
Holdup-Volume (μl):	<10	<100
Typical Process Volume (ml):	1 – 10	10 – 100
Volume Throughput (ml):	<20	<100
Connections (Inlet/Outlet):	Female Luer Lock inlet and Male Luer slip outlet	Female Luer Lock inlet and Male Luer slip outlet
Max Operating Pressure (psi):	87	87
Max Operating Temperature (°C):	100	100
Layers:	2	2

Filtration at a Guidance

Membrane	Properties	Applications & Feature
PES	hydrophilic	Aqueous solutions, buffers & culture media filtration, High protein recovery >98.5%
PVDF	hydrophobic	Compatible with many organic and non-organic solvents making it ideal for a wide range of applications.

Products Descriptions

PES Membrane Cat. No.	PVDF Membrane Cat. No.	Description	/Pk	/Cs
380111	380121	Syringe Filter, 25mm Housing Diameter, 0.22um PES membrane, Sterile, Individually wrapped	1	50
380211	380221	Syringe Filter, 25mm Housing Diameter, 0.45um PES membrane, Sterile, Individually wrapped	1	50
380112	380122	Syringe Filter, 13mm Housing Diameter, 0.22um PES membrane, Sterile, Individually wrapped	1	50
380212	380222	Syringe Filter, 13mm Housing Diameter, 0.45um PES membrane, Sterile, Individually wrapped	1	50

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