DILACO
Tel.: (56) 2 2402 9700
www.dilaco.com

sartorius

Minisart® Syringe Filters
The Easy Choice – Clean and Safe

turning science into solutions

Minisart® Syringe Filters

Removal of Particles and Microorganisms from Liquids and Gases

Sartorius offers Minisart® syringe filters for a wide range of applications. The filters are clean and safe as they are almost free of leachables and exractables. Additionally, they reliably remove particles and microorganisms with no leakage. Minisart® with PP housing is optimized for filtration prior to analytics and withstands even harsh solvents and chemicals. Minisart® with housing made of medical acrylic (MBS) are the perfect choice for sterile filtration and clarification of additives, buffers, reagents, drugs and gases.

Minisart® Syringe Filters

A full range of filters dedicated for various filtration applications.

Sample Preparation
HPLC| UHPLC| Analytics

Elimination of particles from your samples prior to HPLC or other chromatographic analysis is essential in order to maintain the integrity of your chromatography column and to maximize its operating life time.

Minisart® syringe filters optimized for sample preparation consist of a PP housing and membrane components featuring maximum chemical compatibility and minimum extractables to ensure excellent results. Due to the typical range of volumes from less than 1 ml to 100 ml these filters are available in three different diameters with an effective filtration area of 0.07 cm^2, 1.7 cm^2 and 4.8 cm^2. See page 6.

Filtration of Aqueous Liquids
Clarification| Sterile Filtration

For clarification and sterilization of liquids, filtration is the optimal method. It removes all microorganisms and particles reliably, without any effects on the ingredients, due to adsorption or decomposition.

For optimal results Minisart® filters made of MBS housing provide a choice of membranes with pore sizes ranging from 0.1 µm to 5 µm for high flow rates and lowest adsorption characteristics. The effective filtration area of 6.2 cm^2 for fastest filtration is the biggest amongst premium syringe filters and the MBS housing is color-coded for easy pore size identification. See page 10.

Medical Use and Sterile Venting
Special Applications

Minisart® syringe filters are ideal for clarification of liquids laden with particles, e.g. for preparation of pharmaceuticals or infusion solutions. For sterilization and removal of particles from air and other gases, syringe filters are optimal for sterile venting of containers, bioreactors, fermenters and tubing systems in medical devices. Many Minisart® syringe filters have the CE mark of conformity (European directive) and are available with a wide choice of membranes, connectors and housing materials. See page 14.

Sartolab® Filters
Vacuum Filtration and Pressure Filtration Devices

See page 24.

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Minisart®-Help-to-Find

Please refer to Minisart® RC, NY or SRP for the highest chemical compatibility, page 8.
Please refer to Minisart® NML or Minisart® High Flow on page 12.
Several additional Minisart® for venting and special purposes could be found on page 16.

Sample Composition

Aqueous		Aqueous | Solvents		
All Aqueous Solutions Buffers, Protein Analysis	**All Aqueous Solutions** Tissue Culture Media	Aqueous | Solvent Mixtures | Solvents	Solvent Mixtures | Solvents	Solvents | Gases | Acids | Bases
SFCA Surfactant-Free Cellulose Acetate	**PES** Polyethersulfone	**RC** Regenerated Cellulose	**NY** Polyamide, Nylon	**PTFE** Polytetrafluoroethylene
Hydrophilic				**Hydrophobic**

Pore Sizes

Sterilization		Sample Preparation | Clarification | Particle Removal					Prefiltration
Small Bacteria Mycoplasma Colloids >0.1	UHPLC, etc. (Columns <3 µm Particles) Bacteria	HPLC, etc. (Columns >3 µm Particles) Particles	Particles Yeast Cells	Particles Yeast Cells	Particles Yeast Cells Platelets	Large Particles Rubber Grit Cells	Glass Prefilter Glass+Membrane Highly Particle-laden Samples
0.1 µm	**0.2 µm**	**0.45 µm**	**0.65 µm**	**0.8 µm**	**1.2 µm**	**5 µm**	**GF (Glass Fibre)**

Sample Volume

			
1 – 200 ml	1 – 100 ml	0.5 – 15 ml	0.05 – 1 ml
28 mm for up to 200 ml	**25 mm for up to 100 ml**	**15 mm for up to 15 ml**	**4 mm for up to 1 ml**