

Minisart® Syringe Filters – The Easy Choice Integrity and Efficiency



Minisart® Syringe Filters

Removal of Particles and Microorganisms from Liquids and Gases



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. Minisart® syringe filters consist of a PP housing and membrane components featuring maximum chemical compatibility and minimum extractables to ensure excellent results.



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 high flow rates and lowest adsorption characteristics. The MBS housing is color-coded for an easy pore size identification.



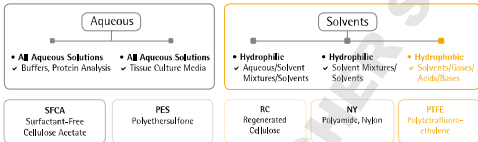
Medical Use and Sterile Venting Special Applications

Minisart® syringe filters are available in a broad range of pore sizes. They 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 and are available in a wide choice of membranes, connectors and housing materials.

Minisart® Syringe Filter Selection Guide

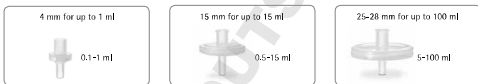
1

Sample Composition



2

Sample Volumes



3

Pore Sizes

Sterilization		Sample Preparation • Clarification • Particle Removal					Prefiltration
0.1 µm Small Bacteria Mycoplasma Colloids >0.1	0.2 µm UHPLC, etc. (Columns < 3µm Particles) Bacteria	0,45 µm HPLC, etc. (Columns > 3µm Particles) Particles	0,65 µm Particles Yeast Cells	0,8 µm Particles Yeast Cells	1,2 µm Particles Yeast Cells Platelets	5 µm Large Particles Rubber Grit Cells	GF (Glass Fibre) Glass Prefilter Glass+Membrane Highly Particle-laden Samples

Applications

Type of Filtration	1st Choice	Rec. Alternatives
HPLC · UHPLC · LCMS · IC · GC · Sample Preparation	RC	PTFE / NY
Undiluted Organic Solvents	RC / PTFE	NY
Protein Analysis · Samples with Biomolecules · Buffers	SFCA	RC / PES
Tissue Culture Media	PES	SFCA / RC
Highly Particle-laden Samples · Organic Solvents	GF / NY	-
Highly Particle-laden Samples · Aqueous Solutions	GF / SFCA	GF / NY
pH 1-14: PTFE/GF · pH 3-14: RC/NY/PTFE/GF · pH 3-12: RC/PES/NY/PTFE/GF · pH 4-8: SFCA/RC/PES/NY/PTFE/GF*		

*Compatibility tested with a contact time of 24 hours at 20°C

Sample Preparation for Analytics

HPLC | UHPLC | LCMS | IC | GC

Reliable removal of particles and microorganisms from liquids to protect your columns and instruments



Minisart® Features

- 15 mm and 25 mm with pore size and type of membrane identified
- 4 mm with color-coded package
- Low adsorption of analytes
- Maximum chemical compatibility
- Minimum extractables or leachables
- Superior flow rate
- Low hold-up volumes
- 100% integrity tested
- Bidirectional use
- Certified quality

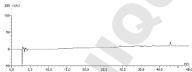
Key Specifications

Diameter	Pore Size	Membranes	Housing	Connector Outlet	Hold-Up Volume	Filter Area
25 mm	0.2/0.45µm	RC/PTFE/NY	PP*	Male Luer Slip	100-200 µl**	4.8 cm ²
15 mm	0.2/0.45µm	RC/PTFE/NY	PP*	Male Luer Slip/Male Spike	30-100 µl**	1.7 cm ²
4 mm	0.2/0.45µm	RC/PTFE	PP*	Male Luer Slip	5-10 µl**	0.07 cm ²
GF Prefilter	1.2+0.2/0.45	GF+NY	PP*	Male Luer Slip	250-500 µl**	4.8 cm ²

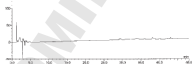
*PP = Polypropylene **Hold-up volume after air purge. Volumes can vary depending on membrane and liquid used.

HPLC Certification*

Methanol

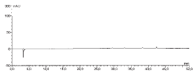


Filtrate Methanol

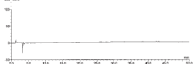


Methanol / Filtrate Methanol:
 Channel: UV_VIS_2 Run Time (min.): 58.00
 Wavelength: 214 Injection Volume: 100.0
 Bandwidth: 1

Acetonitrile



Filtrate Acetonitrile



Acetonitrile / Filtrate Acetonitrile:
 Channel: UV_VIS_4 Run Time (min.): 58.00
 Wavelength: 280 Injection Volume: 100.0
 Bandwidth: 1

*Minisart used with methanol/water and acetonitrile/water did not show any artifacts or interference peaks in the range of 200-300 nm.

Sample Preparation Chromatography

Ordering Information

Type	∅ mm	Membrane	Housing	Pore Size	Connector Outlet	Color/Printing	Sterile*	Qty/Pk	Order Number
<input type="checkbox"/> Minisart® RC (Regenerated Cellulose)									
25 mm	RC	PP	0.2 µm	Male Luer Slip	White, Printed	Yes	50	17764	—ACK
25 mm	RC	PP	0.2 µm	Male Luer Slip	White, Printed	No	50	17764	—K
25 mm	RC	PP	0.2 µm	Male Luer Slip	White, Printed	No	200	17764	—S
25 mm	RC	PP	0.2 µm	Male Luer Slip	White, Printed	No	500	17764	—D
25 mm	RC	PP	0.45 µm	Male Luer Slip	White, Printed	No	50	17765	—K
25 mm	RC	PP	0.45 µm	Male Luer Slip	White, Printed	No	200	17765	—S
25 mm	RC	PP	0.45 µm	Male Luer Slip	White, Printed	No	500	17765	—D
15 mm	RC	PP	0.2 µm	Male Luer Slip	White, Printed	Yes	50	17761	—ACK
15 mm	RC	PP	0.2 µm	Male Luer Slip	White, Printed	No	50	17761	—K
15 mm	RC	PP	0.2 µm	Male Luer Slip	White, Printed	No	900	17761	—D
15 mm	RC	PP	0.45 µm	Male Luer Slip	White, Printed	No	50	17762	—K
15 mm	RC	PP	0.45 µm	Male Luer Slip	White, Printed	No	500	17762	—D
4 mm	RC	PP	0.2 µm	Male Luer Slip	Blue Tray	No	50	17821	—K
4 mm	RC	PP	0.2 µm	Male Luer Slip	Blue Tray	No	500	17821	—D
4 mm	RC	PP	0.45 µm	Male Luer Slip	Yellow Tray	No	50	17822	—K
4 mm	RC	PP	0.45 µm	Male Luer Slip	Yellow Tray	No	500	17822	—D
<input type="checkbox"/> Minisart® SRP (Hydrophobic PTFE)									
25 mm	PTFE	PP	0.2 µm	Male Luer Slip	White, Printed	Yes	50	17575	—ACK
25 mm	PTFE	PP	0.2 µm	Male Luer Slip	White, Printed	No	50	17575	—K
25 mm	PTFE	PP	0.2 µm	Male Luer Slip	White, Printed	No	200	17575	—S
25 mm	PTFE	PP	0.2 µm	Male Luer Slip	White, Printed	No	500	17575	—D
25 mm	PTFE	PP	0.45 µm	Male Luer Slip	White, Printed	No	50	17576	—K
25 mm	PTFE	PP	0.45 µm	Male Luer Slip	White, Printed	No	200	17576	—S
25 mm	PTFE	PP	0.45 µm	Male Luer Slip	White, Printed	No	500	17576	—D
15 mm	PTFE	PP	0.2 µm	Male Spike	White, Printed	No	50	17558	—K
15 mm	PTFE	PP	0.2 µm	Male Spike	White, Printed	No	500	17558	—D
15 mm	PTFE	PP	0.2 µm	Male Luer Slip	White, Printed	Yes	50	17573	—ACK
15 mm	PTFE	PP	0.2 µm	Male Luer Slip	White, Printed	No	50	17573	—K
15 mm	PTFE	PP	0.2 µm	Male Luer Slip	White, Printed	No	500	17573	—D
15 mm	PTFE	PP	0.45 µm	Male Spike	White, Printed	No	50	17559	—K
15 mm	PTFE	PP	0.45 µm	Male Spike	White, Printed	No	500	17559	—D
15 mm	PTFE	PP	0.45 µm	Male Luer Slip	White, Printed	No	50	17574	—K
15 mm	PTFE	PP	0.45 µm	Male Luer Slip	White, Printed	No	500	17574	—D
4 mm	PTFE	PP	0.2 µm	Male Luer Slip	Blue Tray	No	500	17844	—D
4 mm	PTFE	PP	0.45 µm	Male Luer Slip	Yellow Tray	No	50	17820	—K
4 mm	PTFE	PP	0.45 µm	Male Luer Slip	Yellow Tray	No	500	17820	—D
<input type="checkbox"/> Minisart® NY (Nylon) & NY25 Plus (Glass Fiber 1.2 µm + Nylon)									
25 mm	Nylon	PP	0.2 µm	Male Luer Slip	White, Printed	Yes	50	17845	—ACK
25 mm	Nylon	PP	0.2 µm	Male Luer Slip	White, Printed	No	500	17845	—D
25 mm	Nylon	PP	0.45 µm	Male Luer Slip	White, Printed	Yes	50	17846	—ACK
25 mm	Nylon	PP	0.45 µm	Male Luer Slip	White, Printed	No	500	17846	—D
15 mm	Nylon	PP	0.2 µm	Male Luer Slip	White, Printed	No	50	17768	—K
15 mm	Nylon	PP	0.2 µm	Male Luer Slip	White, Printed	No	500	17768	—D
15 mm	Nylon	PP	0.45 µm	Male Luer Slip	White, Printed	No	50	1776C	—K
15 mm	Nylon	PP	0.45 µm	Male Luer Slip	White, Printed	No	500	1776C	—D
25 mm	Nylon+GF	PP	0.2 µm	Male Luer Slip	White, Printed	No	50	17848	—K
25 mm	Nylon+GF	PP	0.2 µm	Male Luer Slip	White, Printed	No	500	17848	—D
25 mm	Nylon+GF	PP	0.45 µm	Male Luer Slip	White, Printed	No	50	1784C	—K
25 mm	Nylon+GF	PP	0.45 µm	Male Luer Slip	White, Printed	No	500	1784C	—D

*Sterile Minisarts are individually packaged. If not stated otherwise, Minisarts have been sterilized by ethylene oxide. Minisarts NOT presterilized: RC, PTFE and Nylon can be sterilized by autoclaving at 121°C for 30 min (or by using ethylene oxide (EO)).

Filtration of Aqueous – Liquids Clarification | Sterilization

Filtration is the optimal method for clarification and sterilization of liquids

Minisart® NML with SFCA



Minisart® High Flow with PES



Minisart® Features

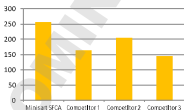
- Pore size + membrane color-coded
- Lowest adsorption
- Superior flow rate
- High total throughput
- Low hold-up volume
- Particulate-free
- Minimum extractables
- 100% integrity tested
- PVC-free
- Choice of presterilized or non-sterile units
- Gamma irradiated or EO sterilized
- Fully validated, certified quality
- Bidirectional use

Key Specifications

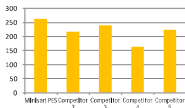
Diameter	Pore Size	Membranes	Housing	Connector Outlets	Hold-Up Volume	Filter Area
28 mm	0.1µm	PES	MBS*	Male Luer Lock	100-150 µl**	6.2 cm ²
28 mm	0.2µm	SFCA / PES	MBS*	Male Luer Lock / Male Luer Slip	100-150 µl**	6.2 cm ²
28 mm	0.45µm	SFCA / PES	MBS*	Male Luer Lock / Male Luer Slip	100-150 µl**	6.2 cm ²
28 mm	0.65µm	SFCA	MBS*	Male Luer Slip	100-150 µl**	6.2 cm ²
28 mm	0.8µm	SFCA	MBS*	Male Luer Lock	100-150 µl**	6.2 cm ²
28 mm	1.2µm	SFCA	MBS*	Male Luer Lock	100-150 µl**	6.2 cm ²
28 mm	5µm	SFCA/NY	MBS*	Male Luer Lock Spike	100-150 µl**	6.2 cm ²
GF Prefilter	1.2+0.2/0.45	GF+SFCA	MBS*	Male Luer Lock	230 µl**	6.2 cm ²
GF Prefilter	1.2µm	GF	MBS*	Male Luer Lock / Male Luer Slip	200 µl**	6.2 cm ²

*MBS – Methylacrylate butadiene styrene polymerizate. **Hold-up volume after air purge. Volumes can vary depending on membrane and liquid used.

Sartorius Advantage: Water Flow at 1 bar (15.4 psi) ml/min



0.45µm SFCA membrane compared with CA (Cellulose Acetate) or similar hydrophilic membranes



0.45µm PES membrane compared with other PES membranes

Preparation of Aqueous Liquids

Ordering Information

Type	Ø mm	Membrane	Housing	Pore Size	Connector	Outlet	Color	Sterile*	Qty/PK	Order Number
<input type="checkbox"/> Minisart® High Flow (PES - Polysulfone)										
28 mm	PES	MBS	0.1 µm	Male Luer Lock			Dark Red	Yes	50	16530-K
28 mm	PES	MBS	0.2 µm	Male Luer Lock			Royal Blue	Yes#	50	16532-GUK
28 mm	PES	MBS	0.2 µm	Male Luer Lock			Royal Blue	Yes	50	16532-K
28 mm	PES	MBS	0.2 µm	Male Luer Slip			Royal Blue	Yes	50	16541-K
28 mm	PES	MBS	0.2 µm	Male Luer Lock			Royal Blue	No	500	16532-Q
28 mm	PES	MBS	0.2 µm	Male Luer Slip			Royal Blue	No	500	16541-Q
28 mm	PES	MBS	0.45 µm	Male Luer Lock			Amber	Yes	50	16537-K
28 mm	PES	MBS	0.45 µm	Male Luer Lock			Amber	No	500	16537-Q
28 mm	PES	MBS	0.45 µm	Male Luer Slip			Amber	Yes#	50	16533-GUK
28 mm	PES	MBS	0.45 µm	Male Luer Slip			Amber	Yes	50	16533-K
28 mm	PES	MBS	0.45 µm	Male Luer Slip			Amber	No	500	16533-Q
<input type="checkbox"/> Minisart® NML (SFCA - Surfactant-free Cellulose Acetate)										
28 mm	SFCA	MBS	0.2 µm	Male Luer Lock			Blue	Yes	50	16534-K
28 mm	SFCA	MBS	0.2 µm	Male Luer Lock			Blue	Yes#	50	16534-GUK
28 mm	SFCA	MBS	0.2 µm	Male Luer Lock			Blue	No	500	16534-Q
28 mm	SFCA	MBS	0.2 µm	Male Luer Slip			Blue	Yes	50	17597-K
28 mm	SFCA	MBS	0.2 µm	Male Luer Slip			Blue	No	500	17597-Q
28 mm	SFCA	MBS	0.45 µm	Male Luer Lock			Yellow	Yes	50	16555-K
28 mm	SFCA	MBS	0.45 µm	Male Luer Lock			Yellow	Yes#	50	16555-GUK
28 mm	SFCA	MBS	0.45 µm	Male Luer Lock			Yellow	No	500	16555-Q
28 mm	SFCA	MBS	0.45 µm	Male Luer Slip			Yellow	Yes	50	17598-K
28 mm	SFCA	MBS	0.45 µm	Male Luer Slip			Yellow	No	500	17598-Q
28 mm	SFCA	MBS	0.65 µm	Male Luer Slip			Pink	Yes	50	16569-K
28 mm	SFCA	MBS	0.8 µm	Male Luer Lock			Green	Yes	50	16592-K
28 mm	SFCA	MBS	0.8 µm	Male Luer Lock			Green	Yes#	50	16592-GUK
28 mm	SFCA	MBS	0.8 µm	Male Luer Lock			Green	No	500	16592-Q
28 mm	SFCA	MBS	1.2 µm	Male Luer Lock			Red	Yes	50	17593-K
28 mm	SFCA	MBS	1.2 µm	Male Luer Lock			Red	No	500	17593-Q
28 mm	SFCA	MBS	5 µm	Male Luer Lock			Brown	Yes	50	17594-K
28 mm	SFCA	MBS	5 µm	Male Luer Lock			Brown	No	500	17594-Q
<input type="checkbox"/> Minisart® NML Plus (Glass Fiber 1.2 µm + SFCA)										
28 mm	GF+SFCA	MBS	0.2 µm	Male Luer Lock			Blue	Yes	50	17823-K
28 mm	GF+SFCA	MBS	0.2 µm	Male Luer Lock			Blue	No	500	17823-Q
28 mm	GF+SFCA	MBS	0.45 µm	Male Luer Lock			Yellow	Yes	50	17829-K
28 mm	GF+SFCA	MBS	0.45 µm	Male Luer Lock			Yellow	No	500	17829-Q
28 mm	GF+SFCA	MBS	1.2 µm	Male Luer Lock			Red	No	500	17825-Q
28 mm	GF	MBS	1.2 µm	Male Luer Lock			White	No	50	17824-K
28 mm	GF	MBS	1.2 µm	Male Luer Lock			White	No	500	17824-Q
28 mm	GF	MBS	1.2 µm	Male Luer Slip			White	No	500	17856-Q

*Sterilized Minisarts are individually packaged. If not stated otherwise, Minisarts are sterilized by ethylene oxide.

#-Mark indicates sterilization by gamma irradiation.

Minisarts NOT presterilized: PES, SFCA, GF+SFCA and GF can be sterilized by ethylene oxide or gamma irradiation.

**Would you like to filter solvents, acids or bases?
Do you need to filter small volumes?
Would you like to use PP housings and other membranes?**

- Please see Minisart® RC, Minisart® NY or Minisart® SRP for the highest chemical compatibility; also available in 4 mm or 15 mm; see pages 3 and 5.



Medical Use Et Venting – Special Applications

Make your choice from a broad range of pore sizes, materials and formats

CE-labeled Minisart® in many configurations



Minisart® Features

- Certified quality
- Fully validated
- 100% integrity tested
- Integrity testable before or after use
- Low adsorption
- Minimum extractables
- Particulate-free
- PVC-free
- Presterilized or non-sterile
- Gamma irradiated or EO sterilized
- CE-marked types
- Various inlet connectors
- Various outlet connectors
- Bidirectional

Key Specifications

Diameter	Pore Size	Membranes	Housing	Connector Outlets	Hold-Up Volume	Filter Area
28 mm	0.2/0.45µm	SFCA	MBS*	Male Luer Lock / Male Luer Slip	100-150 µl***	6.2 cm ²
28 mm	5 µm	SFCA	MBS*	Male Luer Lock	100-150 µl***	6.2 cm ²
28 mm	0.1	PES	MBS*	Male Luer Lock	100-150 µl***	6.2 cm ²
26 mm	0.2/1.0µm	PTFE	MBS*	Male Luer Lock / Male Luer Slip	100-150 µl***	6.2 cm ²
26 mm	0.45µm	Dome+PTFE	MBS*	Male Luer Slip (inlet and outlet)	100-150 µl***	6.2 cm ²
25 mm	0.2µm	PTFE	PP**	Male Luer Slip / Tube Connection	100-200 µl***	4.8 cm ²
15 mm	0.2µm	PTFE	MBS*	Male Luer Slip / Slip + Needle	100 µl***	1.7 cm ²

*MBS = Methacrylate butadiene styrene polymerize **PP = Polypropylene

***Hold-up volume after air purge. Volumes can vary depending on membrane and liquid used.



Biocompatibility Certificate
Minisart® HY



Biocompatibility Certificate
Minisart® NML



Declaration of Conformity Minisart®

Minisart® Syringe Filters – Specials

Ordering Information

Type	mm	Membrane	Housing	Pore Size	Connector	Outlet	Color	Sterile*	Qty/Pk	Order Number	Marked?
<input type="checkbox"/> Minisart® NML (SFCA – Cellulose Acetate) Aqueous Filtration											
28 mm	SFCA	MBS	0.2 µm	Male Luer Lock		Blue	Yes	50	16634	—K	CE-marked
28 mm	SFCA	MBS	0.2 µm	Male Luer Lock		Blue	Yes#	50	16634	—BUK	CE-marked
28 mm	SFCA	MBS	0.2 µm	Male Luer Lock		Blue	No	500	16634	—Q	CE-marked
28 mm	SFCA	MBS	0.2 µm	Male Luer Slip		Blue	Yes	50	17597	—K	CE-marked
28 mm	SFCA	MBS	0.2 µm	Male Luer Slip		Blue	No	500	17597	—Q	CE-marked
28 mm	SFCA	MBS	0.45 µm	Male Luer Lock		Yellow	Yes	50	16655	—K	CE-marked
28 mm	SFCA	MBS	0.45 µm	Male Luer Lock		Yellow	Yes#	50	16655	—BUK	CE-marked
28 mm	SFCA	MBS	0.45 µm	Male Luer Lock		Yellow	No	500	16655	—Q	CE-marked
28 mm	SFCA	MBS	0.45 µm	Male Luer Slip		Yellow	Yes	50	17598	—K	CE-marked
28 mm	SFCA	MBS	0.45 µm	Male Luer Slip		Yellow	No	500	17598	—Q	CE-marked
28 mm	SFCA	MBS	5 µm	Male Luer Lock		Brown	Yes	50	17594	—K	
<input type="checkbox"/> Minisart® Ophalsart (SFCA – Cellulose Acetate) Aqueous Filtration											
28 mm	Ophalsart	MBS	0.2 µm	Male Luer Slip		Pink	Yes	50	17528	—K	CE-marked
<input type="checkbox"/> Minisart® High Flow (PES – Polyethersulfone) Aqueous Filtration											
28 mm	PES	MBS	0.1 µm	Male Luer Lock		Dark Red	Yes	50	16653	—K	
<input type="checkbox"/> Minisart® (PES – Polyethersulfone) Aqueous Filtration											
15 mm	PES	PP	0.2 µm	Male Luer Lock		White	Yes	50	17760	—ACK	
<input type="checkbox"/> Minisart® Air (Hydrophobic PTFE) Venting											
15 mm	PTFE	MBS	0.2 µm	Male Luer Slip		Yellow	No	500	17514	—Q	
15 mm	PTFE	MBS	0.2 µm	Male Luer Slip + Needle		Yellow	Yes#	50	16690	—FNK	
<input type="checkbox"/> Minisart® HY (hydrophobic PTFE) CE-marked Venting & Gas Filtration											
28 mm	PTFE	MBS	0.2 µm	Male Luer Lock		Clear	Yes	50	16698	—HYK	CE-marked
26 mm	PTFE	MBS	0.2 µm	Male Luer Lock		Clear	No	500	16698	—HYQ	CE-marked
26 mm	PTFE	MBS	0.2 µm	Male Luer Lock*		Clear	No	500	16699	—HYQ	CE-marked
26 mm	PTFE	MBS	0.2 µm	Male Luer Slip		Clear	No	500	17595	—HYQ	
26 mm	PTFE	MBS	0.2 µm	Tube Connectors*		Clear	No	500	40078	—Q	
26 mm	PTFE	MBS	1 µm	Male Luer Lock		Clear	No	500	16694	—HYQ	
26 mm	PTFE	MBS	1 µm	Male Luer Slip*		Clear	No	500	16695	—HYQ	
<input type="checkbox"/> Minisart® Acticosart with Dome Reservoir + Hydrophobic PTFE Venting & Ultracleaning of Gases											
26 mm	empty reservoir + PTFE	MBS	0.45 µm	Tube Connectors*		Clear	No	500	40080	—Q	
26 mm	active carbon reservoir +PTFE	MBS	0.45 µm	Male Luer Slip*		Blue	No	500	17840	—Q	
<input type="checkbox"/> Minisart® SRP (Hydrophobic PTFE) CE-marked Venting & Gas Filtration											
25 mm	PTFE	PP	0.2 µm	Male Luer Slip		White, Printed	Yes	50	17575	—ACK	CE-marked
25 mm	PTFE	PP	0.2 µm	Hose Barb		White	No	500	17576	—Q	

*Sterilized Minisarts are individually packaged. If not stated otherwise, Minisarts are sterilized by ethylene oxide. K-mark indicates sterilization by gamma irradiation. Minisarts NOT presterilized: SFCA can be sterilized by ethylene oxide or gamma irradiation, PTFE can be sterilized by ethylene oxide.

* Connector inlet: Male Luer Slip (all other Minisarts have female luer lock inlets) *Tube connectors, inlet and outlet, 5 mm diameter

Do you need additional pore sizes? Would you like to use other membranes?

– Please refer to Minisart® NML available in 0.65, 0.8 and 1.2 µm pore sizes; also available with PES membrane; see pages 3 and 7

Would you like to filter solvents, acids or bases? Do you want to filter small volumes? Would you like to use PP housings and other membranes?

– Please refer to Minisart® RC, Minisart® NY or Minisart® SRP for the highest chemical compatibility; also available in 4 mm and 15 mm; see pages 3 and 5

Sartorius – Lab Innovators

Choose everything you need from an outstanding product range.



arium® pro

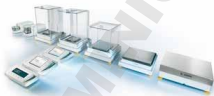
ASTM Type I water purification system

- Ultrapure water for routine analysis or critical applications.
- The arium® pro system consistently supplies high quality ASTM type I water which is perfect for your applications.



Sartolab® Filters

- Filter disposables for filtration of sample volumes up to 15l
- Different filter sizes provide solutions for different sample volumes and particle-loads



Cubis® Lab Balances

- First lab balance series featuring a modular design
- Display and control units, weighing modules, draft shields, interfaces, and much more
- Can be freely combined.

Confidence – Validation Services

Our services at a glance

Multi-site laboratories offer globally integrated Validation Services.



- Sales Organization
- Production | Production and Sales
- Validation Laboratories | Project Management

Every Sartorius Stedim Biotech product used in critical steps in the pharmaceutical industry is manufactured with complete traceability of materials. The extensive data obtained in our validation guides and extractables guides form a comprehensive basis for the safety assessment of your respective process and drug product.

Given the latest developments in regulatory requirements, our in-depth knowledge of actual drug product testing is a key element of our Confidence® Validation Services.

Our product array includes, but is not limited to, the following:

Filter Elements	Fluid Management Containers	Polymer-based Process Components
Extractables Leachables Studies Physico-Chemical Studies Microbiological Studies	Extractables Leachables Studies Physico-Chemical Studies Microbiological Studies	Extractables Leachables Studies

Time To Market

Make the choice that helps bring your products to market rapidly – on time, every time. Ask us about our day commitment program.

Explore your possibilities – we continue to lead and innovate in the field of validation studies to increase the added value of our services offered to the biopharmaceutical and pharmaceutical industries.

Visit our microsite at www.sartorius-stedim.com/confidence

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