

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.



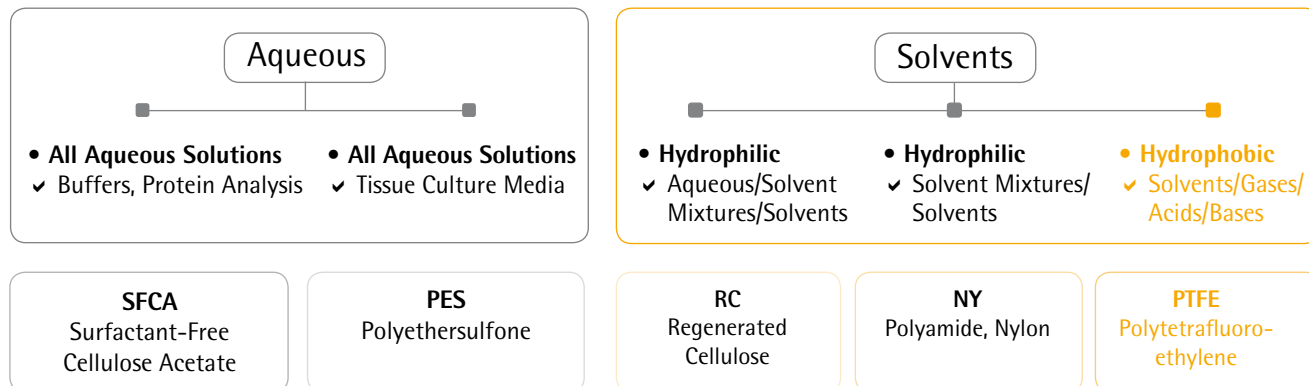
Medical Use and Sterile Venting Special Applications

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

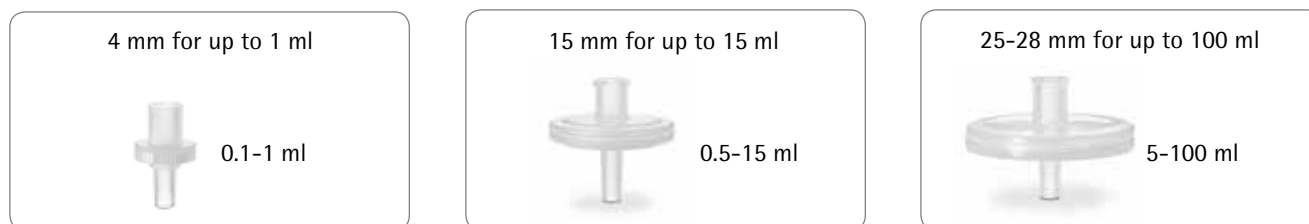
1

Sample Composition



2

Sample Volumes



3

Pore Sizes

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

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

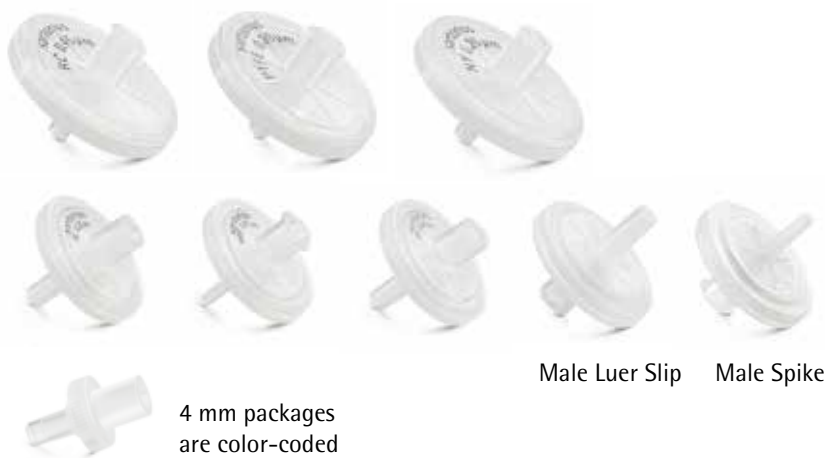
pH 1-14: PTFE/GF · pH 3-14: RC/NY/PTFE/GF · pH 3-12: RC/PES/NY/PTFE/GF · pH 4-8: SFCA/RC/PES/NY/PTFE/GF*

*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

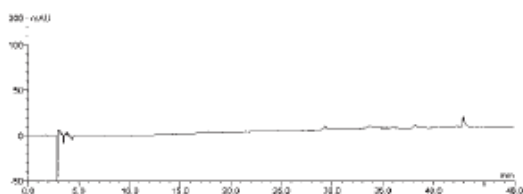
Key Specifications

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

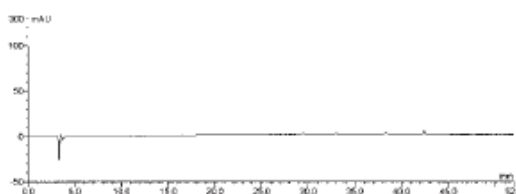
*PP = Polypropylene **Hold-up volume after air purge. Volumes can vary depending on membrane and liquid used.

HPLC Certification*

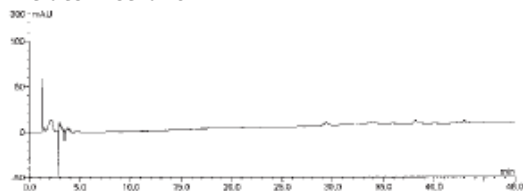
Methanol



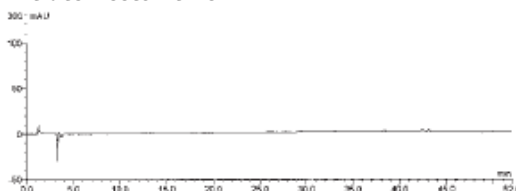
Acetonitrile



Filtrate Methanol



Filtrate Acetonitrile



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

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	Ø 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-----Q
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-----Q
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	500	17761-----Q
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-----Q
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-----Q
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-----Q
<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-----Q
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-----Q
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-----Q
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-----Q
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-----Q
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-----Q
4 mm	PTFE	PP		0.2 µm	Male Luer Slip	Blue Tray	No	500	17844-----Q
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-----Q
<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-----Q
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-----Q
15 mm	Nylon	PP		0.2 µm	Male Luer Slip	White, Printed	No	50	1776B-----K
15 mm	Nylon	PP		0.2 µm	Male Luer Slip	White, Printed	No	500	1776B-----Q
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-----Q
25 mm	Nylon+GF	PP		0.2 µm	Male Luer Slip	White, Printed	No	50	1784B-----K
25 mm	Nylon+GF	PP		0.2 µm	Male Luer Slip	White, Printed	No	500	1784B-----Q
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-----Q

*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



0.2

0.45

0.65

0.8

1.2

5.0

Minisart® High Flow with PES



0.2

Royal Blue

0.45

Amber

0.1

Dark Red

Minisart® Features

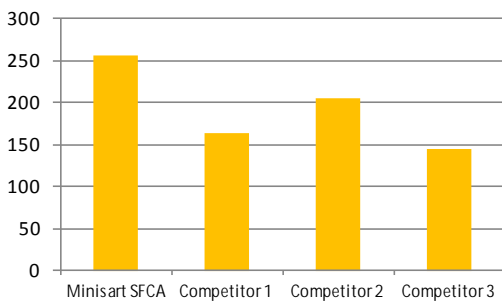
- Pore size + membrane color-coded
- Lowest adsorption
- Superior flow rate
- High total throughput
- Low hold-up volume
- Particulate-free
- Minimum extractables
- 100% integrity tested
- PVC-free
- Choice of presterilized or non-sterile units
- Gamma irradiated or EO sterilized
- Fully validated, certified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

Key Specifications

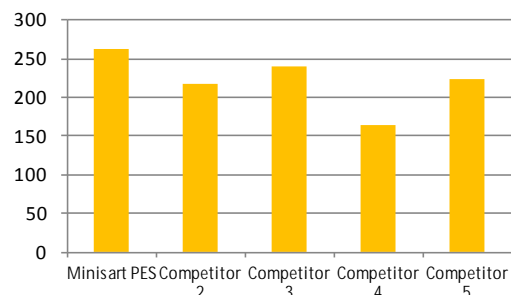
Diameter	Pore Size	Membranes	Housing	Connector Outlets	Hold-Up Volume	Filter Area
28 mm	0.1µm	PES	MBS*	Male Luer Lock	100-150 µl**	6.2 cm ²
28 mm	0.2µm	SFCA / PES	MBS*	Male Luer Lock / Male Luer Slip	100-150 µl**	6.2 cm ²
28 mm	0.45µm	SFCA / PES	MBS*	Male Luer Lock / Male Luer Slip	100-150 µl**	6.2 cm 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 = Methacrylate 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 - Polyethersulfone)									
	28 mm	PES	MBS	0.1 µm	Male Luer Lock	Dark Red	Yes	50	16553-----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 & 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 polymerizate **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	Ø mm	Membrane	Housing	Pore Size	Connector	Outlet	Color	Sterile*	Qty/Pk	Order Number	Marked?
------	------	----------	---------	-----------	-----------	--------	-------	----------	--------	--------------	---------

Minisart® NML (SFCA - Cellulose Acetate) Aqueous Filtration

28 mm	SFCA	MBS	0.2 µm	Male Luer Lock	Blue	Yes	50	16534-----K	CE-marked
28 mm	SFCA	MBS	0.2 µm	Male Luer Lock	Blue	Yes#	50	16534-----GUK	CE-marked
28 mm	SFCA	MBS	0.2 µm	Male Luer Lock	Blue	No	500	16534-----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	16555-----K	CE-marked
28 mm	SFCA	MBS	0.45 µm	Male Luer Lock	Yellow	Yes#	50	16555-----GUK	CE-marked
28 mm	SFCA	MBS	0.45 µm	Male Luer Lock	Yellow	No	500	16555-----Q	CE-marked
28 mm	SFCA	MBS	0.45 µm	Male Luer Slip	Yellow	Yes	50	17598-----K	CE-marked
28mm	SFCA	MBS	0.45	Male Luer Slip	Yellow	No	500	17598-----Q	CE-marked
28 mm	SFCA	MBS	5 µm	Male Luer Lock	Brown	Yes	50	17594-----K	

Minisart® Opthalsart (SFCA - Cellulose Acetate) Aqueous Filtration

28 mm	Opthalsart	MBS	0.2 µm	Male Luer Slip	Pink	Yes	50	17528-----K	CE-marked
-------	------------	-----	--------	----------------	------	-----	----	-------------	-----------

Minisart® High Flow (PES - Polyethersulfone) Aqueous Filtration

28 mm	PES	MBS	0.1 µm	Male Luer Lock	Dark Red	Yes	50	16553-----K	
-------	-----	-----	--------	----------------	----------	-----	----	-------------	--

Minisart® (PES - Polyethersulfone) Aqueous Filtration

15 mm	PES	PP	0.2 µm	Male Luer Lock	White	Yes	50	1776D-----ACK	
-------	-----	----	--------	----------------	-------	-----	----	---------------	--

Minisart® Air (Hydrophobic PTFE) Venting

15 mm	PTFE	MBS	0.2 µm	Male Luer Slip	Yellow	No	500	1751A-----Q	
15 mm	PTFE	MBS	0.2 µm	Male Luer Slip + Needle	Yellow	Yes#	50	16596-----HNK	

Minisart® HY (hydrophobic PTFE) CE-marked Venting & Gas Filtration

26 mm	PTFE	MBS	0.2 µm	Male Luer Lock	Clear	Yes	50	16596-----HYK	CE-marked
26 mm	PTFE	MBS	0.2 µm	Male Luer Lock	Clear	No	500	16596-----HYQ	CE-marked
26 mm	PTFE	MBS	0.2 µm	Male Luer Lock ^a	Clear	No	500	16599-----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 ^b	Clear	No	500	40078-----Q	
26 mm	PTFE	MBS	1 µm	Male Luer Lock	Clear	No	500	1659A-----HYQ	
26 mm	PTFE	MBS	1 µm	Male Luer Slip ^a	Clear	No	500	1659B-----HYQ	

Minisart® Acticosart with Dome Reservoir + Hydrophobic PTFE Venting & Ultracleaning of Gases

26 mm	empty reservoir + PTFE	MBS	0.45 µm	Tube Connectors ^b	Clear	No	500	40080-----Q	
26 mm	active carbon reservoir +PTFE	MBS	0.45 µm	Male Luer Slip ^a	Blue	No	500	17840-----Q	

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	1757A-----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: SFCA can be sterilized by ethylene oxide or gamma irradiation. PTFE can be sterilized by ethylene oxide.

^a Connector inlet: Male Luer slip (all other Minisarts have female luer lock inlets) ^bTube 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

Sales and Service Contacts

For further contacts, visit www.sartorius.com

Europe

Germany

Sartorius Stedim Biotech GmbH
August-Spindler-Strasse 11
37079 Goettingen

Phone +49.551.308.0
Fax +49.551.308.3289

Sartorius Stedim Systems GmbH
Robert-Bosch-Strasse 5 – 7
34302 Guxhagen

Phone +49.5665.407.0
Fax +49.5665.407.2200

France

Sartorius Stedim Biotech S.A.
ZI Les Paluds
Avenue de Jouques – CS 91051
13781 Aubagne Cedex

Phone +33.442.845600
Fax +33.442.845619

Sartorius Stedim France SAS
ZI Les Paluds
Avenue de Jouques – CS 71058
13781 Aubagne Cedex

Phone +33.442.845600
Fax +33.442.846545

Austria

Sartorius Stedim Austria GmbH
Franzosengraben 12
1030 Vienna

Phone +43.1.7965763.18
Fax +43.1.796576344

Belgium

Sartorius Stedim Belgium N.V.
Leuvensesteenweg, 248/B
1800 Vilvoorde

Phone +32.2.756.06.80
Fax +32.2.756.06.81

Hungary

Sartorius Stedim Hungária Kft.
Kagyló u. 5.
2092 Budakeszi

Phone +3623.457.227
Fax +36.23.457.147

Italy

Sartorius Stedim Italy S.p.A.
Via dell'Antella, 76/A
50012 Antella-Bagno a Ripoli (FI)

Phone +39.055.63.40.41
Fax +39.055.63.40.526

Netherlands

Sartorius Stedim Netherlands B.V.
Edisonbaan 24
3439 MN Nieuwegein

Phone +31.30.6025080
Fax +31.30.6025099

Poland

Sartorius Stedim Poland Sp. z o.o.
ul. Wrzesinska 70
62-025 Kostrzyn

Phone +48.61.647.38.40
Fax +48.61.879.25.04

Russian Federation

LLC "Sartorius ICR"
Uralskaya str. 4, Lit. B
199155, Saint-Petersburg

Phone +7.812.327.5.327
Fax +7.812.327.5.323

Scandinavia

Sartorius Stedim Nordic A/S
Hoerskaetten 6D, 1.
2630 Taastrup, Denmark

Phone +45.7023.4400
Fax +45.4630.4030

Spain

Sartorius Stedim Spain SA
C/Isabel Colbrand 10,
Oficina 70
Polígono Industrial de Fuencarral
28050 Madrid

Phone +34.90.2110935
Fax +34.91.3589623

Switzerland

Sartorius Stedim Switzerland AG
Ringstrasse 24 a
8317 Tagelswangen

Phone +41.52.354.36.36
Fax +41.52.354.36.46

U.K.

Sartorius Stedim UK Ltd.
Longmead Business Centre
Blenheim Road, Epsom
Surrey KT19 9 QQ

Phone +44.1372.737159
Fax +44.1372.726171

America

USA

Sartorius Stedim North America Inc.
5 Orville Drive, Suite 200
Bohemia, NY 11716

Toll-Free +1.800.368.7178
Fax +1.631.254.4253

Argentina

Sartorius Argentina S.A.
Int. A. Ávalos 4251
B1605ECS Munro
Buenos Aires

Phone +54.11.4721.0505
Fax +54.11.4762.2333

Brazil

Sartorius do Brasil Ltda
Av. Dom Pedro I, 241
Bairro Vila Pires
Santo André
São Paulo
Cep 09110-001

Phone +55.11.4451.6226
Fax +55.11.4451.4369

Mexico

Sartorius de México S.A. de C.V.
Circuito Circunvalación Poniente
No. 149
Ciudad Satélite
53100, Estado de México
México

Phone +52.5555.62.1102
Fax +52.5555.62.2942

Asia | Pacific

Australia

Sartorius Stedim Australia Pty. Ltd.
Unit 5, 7-11 Rodeo Drive
Dandenong South Vic 3175

Phone +61.3.8762.1800
Fax +61.3.8762.1828

China

Sartorius Stedim Biotech
(Beijing) Co. Ltd.
Airport Industrial Zone B
No. 33 Yu'an Road
Beijing 101300, Shunyi District

Phone +86.10.80426516
Fax +86.10.80426580

Sartorius Stedim Biotech
(Beijing) Co. Ltd.
Shanghai Branch office
Room 618, Tower 1, German Centre,
Shanghai, PRC., 201203

Phone +86.21.28986393
Fax +86.21.28986392.11

Sartorius Stedim Biotech
(Beijing) Co. Ltd.
Guangzhou representative office
Room 704, Broadway Plaza,
No. 233-234 Dong Feng West Road
Guangzhou 510180

Phone +86.20.8351.7921
Fax +86.20.8351.7931

India

Sartorius Stedim India Pvt. Ltd.
#69/2-69/3, NH 48, Jakkasandra
Nelamangala Tq
562 123 Bangalore, India

Phone +91.80.4350.5250
Fax +91.80.4350.5253

Japan

Sartorius Stedim Japan K.K.
Kiba Park Bldg
5-11-13 Kiba
Koto-ku
Tokyo 135-0042

Phone +81.3.5639.9981
Fax +81.3.5639.9983

Malaysia

Sartorius Stedim Malaysia Sdn. Bhd.
Lot L3-E-3B, Enterprise 4
Technology Park Malaysia
Bukit Jalil
57000 Kuala Lumpur, Malaysia

Phone +60.3.8996.0622
Fax +60.3.8996.0755

Singapore

Sartorius Stedim Singapore Pte. Ltd.
1 Science Park Road,
The Capricorn, #05-08A,
Singapore Science Park II
Singapore 117528

Phone +65.6872.3966
Fax +65.6778.2494

South Korea

Sartorius Korea Biotech Co., Ltd.
8th Floor, Solid Space B/D,
PanGyoYeok-Ro 220, Bundang-Gu
SeongNam-Si, GyeongGi-Do, 463-400

Phone +82.31.622.5700
Fax +82.31.622.5799



◀ www.sartorius.com