



sartorius stedim  
biotech

## Minisart® Syringe Filters – The Easy Choice Integrity and Efficiency



turning science **into solutions**

# 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

#### Aqueous

All Aqueous Solutions

- ✓ Buffers, Protein Analysis

SFCA

Surfactant-Free  
Cellulose Acetate

All Aqueous Solutions

- ✓ Tissue Culture Media

PES

Polyethersulfone

Hydrophilic

- ✓ Aqueous/Solvent  
Mixtures/Solvents

RC

Regenerated  
Cellulose

#### Solvents

Hydrophilic

- ✓ Solvent Mixtures/  
Solvents

NY

Polyamide, Nylon

Hydrophobic

- ✓ Solvents/Gases/  
Acids/Bases

PTFE

Polytetra-  
fluoroethylene

## 2

### Sample Volumes

4 mm for up to 1 ml



0.1-1 ml

15 mm for up to 15 ml



0.5-15 ml

25-28 mm for up to 100 ml



5-100 ml

## 3

### Pore Sizes

#### Sterilization

0.1 µm

Small Bacteria  
Mycoplasma  
Colloids >0.1

0.2 µm

UHPLC, etc.  
(Columns  
< 3µm  
Particles)  
Bacteria

#### Sample Preparation Clarification Particle Removal

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

#### Prefiltration

GF (Glass Fibre)  
Glass Prefilter  
Glass+Membrane  
Highly Particle-  
laden Samples

### Applications

#### Type of Filtration

HPLC UHPLC LCMS IC GC - Sample Preparation

Undiluted Organic Solvents

Protein Analysis Samples with Biomolecules Buffers

Tissue Culture Media

Highly Particle-laden Samples Organic Solvents

Highly Particle-laden Samples Aqueous Solutions

#### 1st Choice

RC

RC / PTFE

SFCA

PES

GF / NY

GF / SFCA

#### Rec. Alternatives

PTFE / NY

NY

RC / PES

SFCA / RC

-

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

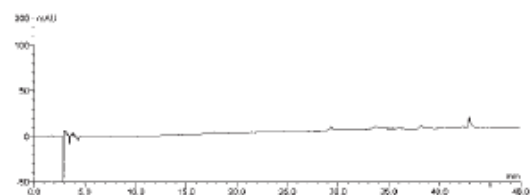
## Key Specifications

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 <sup>2</sup>
15 mm	0.2/0.45µm	RC/PTFE/NY	PP*	Male Luer Slip/Male Spike	30-100 µl**	1.7 cm <sup>2</sup>
4 mm	0.2/0.45µm	RC/PTFE	PP*	Male Luer Slip	5-10 µl**	0.07 cm <sup>2</sup>
GF Prefilter	1.2+0.2/0.45	GF+NY	PP*	Male Luer Slip	250-500 µl**	4.8 cm <sup>2</sup>

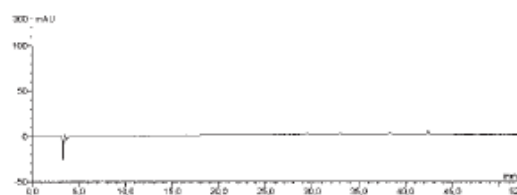
\*PP = Polypropylene \*\*Hold-up volume after air purge. Volumes can vary depending on membrane and liquid used.

## HPLC Certification\*

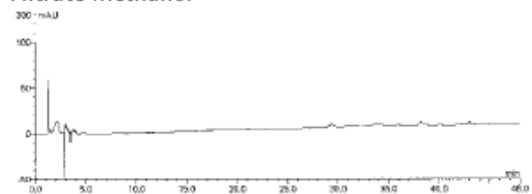
Methanol



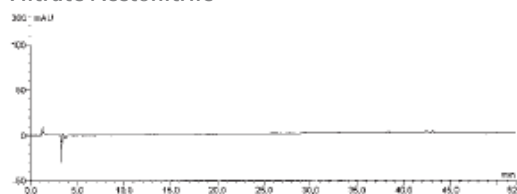
Acetonitrile



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.

# Minisart® Syringe Filters – Sample Preparation Chromatography

## Ordering Information

Type	Ø mm	Membrane	Housing	Pore Size	Connector Outlet	Color/Printing	Sterile*	Qty/Pk	Order Number
<b>Minisart® RC (Regenerated Cellulose)</b>									
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	
<b>Minisart® SRP (Hydrophobic PTFE)</b>									
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	
<b>Minisart® NY (Nylon) &amp; NY25 Plus (Glass Fiber 1.2 µm + Nylon)</b>									
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



## Minisart® High Flow with PES



## Minisart® Features

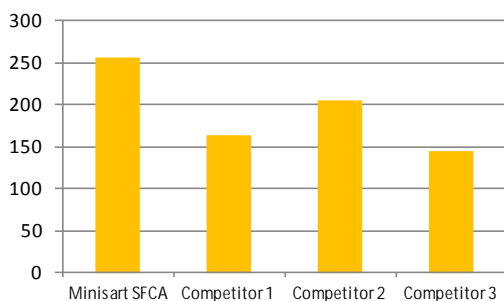
- Pore size + membrane color-coded
- Lowest adsorption
- Superior flow rate
- High total throughput
- Low hold-up volume
- Particulate-free
- Minimum extractables
- 100% integrity tested
- PVC-free
- Choice of presterilized or non-sterile units
- Gamma irradiated or EO sterilized
- Fully validated, certified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

## Key Specifications

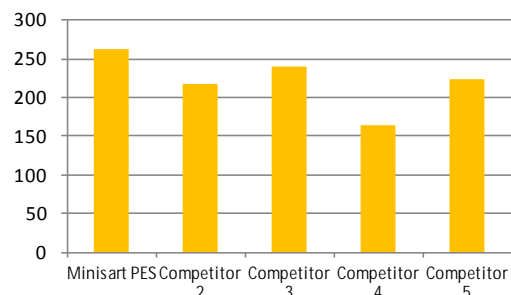
Diameter	Pore Size	Membranes	Housing	Connector Outlets	Hold-Up Volume	Filter Area
28 mm	0.1µm	PES	MBS*	Male Luer Lock	100-150 µl**	6.2 cm <sup>2</sup>
28 mm	0.2µm	SFCA / PES	MBS*	Male Luer Lock / Male Luer Slip	100-150 µl**	6.2 cm <sup>2</sup>
28 mm	0.45µm	SFCA / PES	MBS*	Male Luer Lock / Male Luer Slip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

\*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

# Minisart® Syringe Filters – Preparation of Aqueous Liquids

## Ordering Information

Type	Ø mm	Membrane	Housing	Pore Size	Connector Outlet	Color	Sterile*	Qty/Pk	Order Number
<b>Minisart® High Flow (PES – Polyethersulfone)</b>									
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

## 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

## 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 <sup>2</sup>
28 mm	5 µm	SFCA	MBS*	Male Luer Lock	100-150 µl***	6.2 cm <sup>2</sup>
28 mm	0.1	PES	MBS*	Male Luer Lock	100-150 µl***	6.2 cm <sup>2</sup>
26 mm	0.2/1.0µm	PTFE	MBS*	Male Luer Lock / Male Luer Slip	100-150 µl***	6.2 cm <sup>2</sup>
26 mm	0.45µm	Dome+PTFE	MBS*	Male Luer Slip (inlet and outlet)	100-150 µl***	6.2 cm <sup>2</sup>
25 mm	0.2µm	PTFE	PP**	Male Luer Slip / Tube Connection	100-200 µl***	4.8 cm <sup>2</sup>
15 mm	0.2µm	PTFE	MBS*	Male Luer Slip / Slip + Needle	100 µl***	1.7 cm <sup>2</sup>

\*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



# Minisart® Syringe Filters – Specials

## Ordering Information

Type	Ø mm	Membrane	Housing	Pore Size	Connector Outlet	Color	Sterile*	Qty/Pk	Order Number	Marked?
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### 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
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### Minisart® High Flow (PES - Polyethersulfone) Aqueous Filtration

28 mm	PES	MBS	0.1 µm	Male Luer Lock	Dark Red	Yes	50	16553-----K	
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### Minisart® (PES - Polyethersulfone) Aqueous Filtration

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

### 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 <sup>a</sup>	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 <sup>b</sup>	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 <sup>a</sup>	Clear	No	500	1659B-----HYQ	

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

26 mm	empty reservoir	MBS	0.45 µm	Tube Connectors <sup>b</sup>	Clear	No	500	40080-----Q	
26 mm	active carbon	MBS	0.45 µm	Male Luer Slip <sup>a</sup>	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.

<sup>a</sup> Connector inlet: Male Luer slip (all other Minisarts have female luer lock inlets) <sup>b</sup>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

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Choose everything you need from an outstanding product range.



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ASTM Type I water purification system

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Our services at a glance

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Extractables | Leachables Studies

Extractables | Leachables Studies

Extractables | Leachables Studies

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Physico-Chemical Studies

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Microbiological Studies

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