

Sartobran® P 0.2 µm

Sterilizing-Grade Filter Elements



Product Information

- Highest product yield due to extremely low unspecific adsorption
- Ideally suited for sterile filtration of vaccines and blood & plasma products
- Best solution for sterile filtration of large & shear-sensitive proteins and high-value biological solutions

Highest Product Yield

Sartobran® P's cellulose acetate membranes provide the lowest unspecific adsorption of any membrane material available, ensuring highest product recovery rates without alteration of excipient levels. Additionally, large and shear-sensitive proteins do not lose their structure and function when filtered through this special membrane.

RECASA

Su proveedor de confianza

Flexibility & Scalability

All Sartobran[®] P 0.2 µm filters are produced with the same type of membrane and identical materials of construction. The filter elements are available with various filtration areas from 0.015 m² | 0.54 ft² up to 1.8 m² | 19.4 ft² for simple and predictable scale-up as well as great process flexibility.

Compatibility

Sartobran[®] P 0.2 µm filter elements can be used over pH range 4 – 8 thereby covering the vast majority of biopharmaceutical applications.

Applications

- Coagulation factors, Albumin, IgG
- Bacterial, viral & mRNA-based vaccines
- Bioprocessed pharmaceuticals
- Ophthalmics
- Purified protein solutions
- Biological fluids
- Fluids containing preservatives

Technical Specifications

Available Sizes	Filtration Area	Max. Diffusion at 2.5 bar 36 psi [ml/min]	Min. Bubble Point [bar psi]
Cartridges Maxicaps [®] T-Style Maxicaps [®]			
Size 0.5 (Only Cartridges)	0.3 m ² 3.2 ft ²	10	3.2 46
Size 1	0.6 m ² 6.5 ft ²	15	3.2 46
Size 2	1.2 m ² 12.9 ft ²	30	3.2 46
Size 3	1.8 m ² 19.4 ft ²	45	3.2 46
Mini Cartridge Midicaps [®]			
Size 7	0.05 m ² 0.54 ft ²	3	3.2 46
Size 8	0.1 m ² 1.1 ft ²	4	3.2 46
Size 9	0.2 m ² 2.2 ft ²	5	3.2 46
Size 0 (Only Midicaps [®])	0.45 m ² 4.8 ft ²	10	3.2 46
Capsules			
Size 4	0.015 m ² 0.16 ft ²	1	3.2 46
Size 5	0.03 m ² 0.32 ft ²	2	3.2 46

Services

Sartorius Confidence[®] Validation Services is the perfect complement to Sartobran[®] P.

Our services provide

- Extractables and leachables services
- Microbiological testing
- Physicochemical testing

in compliance with regulatory requirements. Our local teams of validation experts support you with our tailored and consultative approach to determine the most cost-effective solution and give you the confidence you need to succeed.

Max. Allowable Differential Pressure

Cartridges | Mini Cartridges

5 bar | 72.5 psi at 20°C

2 bar | 29 psi at 80°C

T-Style Maxicaps[®] | Maxicaps[®] | Midicaps[®]

5 bar | 72.5 psi at 20°C

3 bar | 43.5 psi at 50°C

Capsules

4 bar | 58 psi at 20°C

2 bar | 29 psi at 50°C

Max. Operating Pressure

Cartridges | T-Style Maxicaps[®] | Maxicaps[®] |

Midicaps[®] | Mini Cartridges

5 bar | 72.5 psi at 20°C

Capsules

4 bar | 58 psi at 20°C

Materials

Prefilter Membrane

Cellulose Acetate

Endfilter Membrane

Cellulose Acetate

Support Fleece

Polypropylene

Core

Polypropylene

End Caps

Polypropylene

Capsule Housing

Polypropylene

O-Ring

Silicone (optional EPDM or Fluoroelastomer)

Filling Bell

Polycarbonate

Max. Allowable Back Pressure

2 bar | 29 psi at 20°C

(for all elements)

Pore Size Combination

0.45 µm + 0.2 µm

Regulatory Compliance

- Each individual element is tested for integrity by Bubble Point and Diffusion test
- Fully validated as sterilizing-grade filters according to current ASTM F-838 guidelines
- Designed, developed and manufactured in accordance with an ISO 9001 certified Quality Management System
- Meet or exceed the requirements for WFI quality standards set by the current USP
- Non-pyrogenic according to USP Bacterial Endotoxins
- Pass USP Plastic Class VI Test
- Non-fiber releasing according to 21 CFR



Sterilization

Cartridges | Mini Cartridges
In-Line Steam Sterilization
Max. 134 °C, 0.3 bar, 20 min
Min. 25 Sterilization Cycles

or

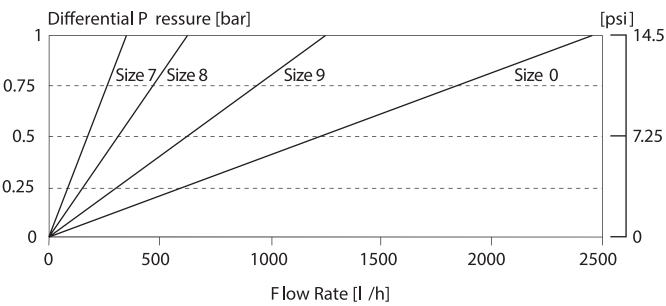
Autoclaving
Max. 134°C, 2 bar, 30 min
Min. 25 Sterilization Cycles

Maxicaps * | Midicaps * | Capsules
Autoclaving
Max. 134°C, 2 bar, 30 min
Min. 25 Sterilization Cycles (Maxicaps * | Midicaps *)
Min. 3 Sterilization Cycles (Capsules)

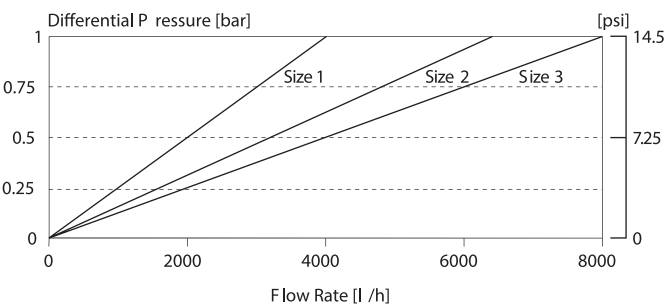
T-Style Maxicaps *
Autoclaving
Max. 134°C, 2 bar, 30 min
Min. 25 Sterilization Cycles

Performance

Water Flow Rates of Midicaps * with SS Adapter

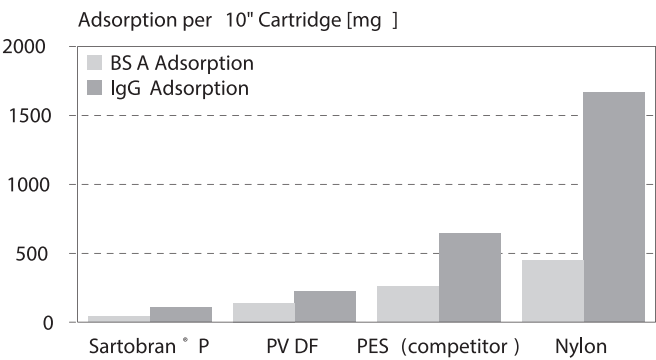


Water Flow Rates of Cartridges and Maxicaps *



Standardized at 20°C

Protein Binding



Technical References

Validation Guide SPK5726-e
Extractables Guide 100002449247

Ordering Information



Mini Cartridge

523	■	07	H	■	--	--	--	B
Adapter 15: bayonet adapter with O-ring 18: plug adapter with double O-ring (Standard with silicone O-ring)				Filter Size 7: 0.05 m ² 0.5 ft ² 8: 0.1 m ² 1.1 ft ² 9: 0.2 m ² 2.2 ft ²			Packing Size B: box of 5	



Cartridge

523	■	07	H	■	--	--	P
Adapter 21: double open end with flat gaskets 25: 2 flange bayonet adapter with 226 double O-ring 27: bayonet adapter with 222 double O-ring 28: 3 flange bayonet adapter with 222 double O-ring				Filter Size 0: 0.3 m ² 3.2 ft ² (5") 1: 0.6 m ² 6.5 ft ² (10") 2: 1.2 m ² 12.9 ft ² (20") 3: 1.8 m ² 19.4 ft ² (30")			

(Standard with silicone O-ring, optionally with EPDM O-ring. Example 5232507H2--EP)



T-Style Maxicaps *

523	83	07	H	■	--	■	■
Filter Size 1: 0.6 m ² 6.5 ft ² (10") 2: 1.2 m ² 12.9 ft ² (20") 3: 1.8 m ² 19.4 ft ² (30")		Sterilization --: autoclavable		Connector Inlet S: 1½" tri-clamp 50 mm O: ½" single stepped hose barb Y: 1" single stepped hose barb		Connector Outlet S: 1½" tri-clamp 50 mm O: ½" single stepped hose barb Y: 1" single stepped hose barb	



Maxicaps *

523	73	07	H	■	--	■	■
Filter Size 1: 0.6 m ² 6.5 ft ² (10") 2: 1.2 m ² 12.9 ft ² (20") 3: 1.8 m ² 19.4 ft ² (30")		Sterilization --: autoclavable		Connector Inlet S: 1½" tri-clamp 50 mm O: ½" single stepped hose barb F: ¾" tri-clamp 25 mm		Connector Outlet S: 1½" tri-clamp 50 mm O: ½" single stepped hose barb F: ¾" tri-clamp 25 mm	

(Optionally with vent valve design for connection to integrity tester. Example: 5237307H1--OOIT)



Midicaps *

523	53	07	H	■	---	■	■	---	■
Filter Size 7: 0.05 m ² 0.5 ft ² 8: 0.1 m ² 1.1 ft ² 9: 0.2 m ² 2.2 ft ² 0: 0.45 m ² 4.8 ft ²		Sterilization --: autoclavable		Connector Inlet S: 1½" tri-clamp 50 mm O: ½" single stepped hose barb F: ¾" tri-clamp 25 mm H: ¼" multiple stepped hose barb		Connector Outlet S: 1½" tri-clamp 50 mm O: ½" single stepped hose barb F: ¾" tri-clamp 25 mm H: ¼" multiple stepped hose barb		Packing Size A: box of 4 (size 7, 8, 9) V: box of 2 (size 0)	




Capsules

523	13	07	H	■	---	■	■	---	B
Filter Size 4: 0.015 m ² 0.16 ft ² 5: 0.03 m ² 0.32 ft ²		Sterilization --: autoclavable		Connector Inlet S: ¾" tri-clamp 25 mm O: ¼" multiple stepped hose barb		Connector Outlet S: ¾" tri-clamp 25 mm O: ¼" multiple stepped hose barb (with filling bell)		Packing Size B: box of 5	

Check the availability of your desired configuration with your Sartorius sales representative or online at www.sartorius.com

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Specifications subject to change without notice.

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