



Sartobran[®] P 0.2 μ m

Sterilizing Grade Filter Elements

Product Information

- Highest product yield due to extremely low unspecific adsorption
- Ideally suited for sterile filtration of blood & plasma products and vaccines
- Uniquely capable of filtering especially large & shear-stress sensitive proteins



Highest Product Yield

Sartobran[®] P's cellulose acetate membrane provides the lowest unspecific adsorption of any membrane material available, ensuring the highest product recovery rates. Additionally, especially large, shear-stress sensitive proteins do not lose their structure and function when filtered through this special membrane.

Flexibility & Scalability

All Sartobran[®] P 0.2 μ m 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 linear scale up as well as great process flexibility.

Compatibility

Sartobran[®] P 0.2 μ m filter elements cover with pH 4 – 8 most of the relevant bio-pharmaceutical applications.

Applications

- Coagulation Factors, Albumin, IgG
- Bacterial & Viral Vaccines
- Bioprocessed Pharmaceuticals
- Diagnostics
- Purified Protein Solutions
- Biological Fluids
- Fluids containing preservatives

Technical Data

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 Cartridges 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

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. Allowable Back Pressure

2 bar | 29 psi at 20°C
(for all elements)

Materials

Prefilter Membrane

Cellulose Acetate

Core

Polypropylene

Endfilter Membrane

Cellulose Acetate

End Caps

Polypropylene

Support Fleece

Polypropylene

Capsule Housing

Polypropylene

O-Ring

Silicone

Filling Bell

Polycarbonate

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 ASTM current 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
- USP Plastic Class VI Test
- Non fiber releasing according to 21 CFR

Sterilization

Cartridges | Mini Cartridges

In-Line Steam Sterilization

134 °C, 0.3 bar, 20 min.

Min. 25 Sterilization Cycles

or

Autoclaving

134°C, 2 bar, 30 min

Min. 25 Sterilization Cycles

MaxiCaps® | MidiCaps® | Capsules

Autoclaving

134°C, 2 bar, 30 min

Min. 25 Sterilization Cycles (MaxiCaps® | MidiCaps®)

Min. 3 Sterilization Cycles (Capsules)

T-Style MaxiCaps®

Autoclaving

134°C, 2 bar, 30 min

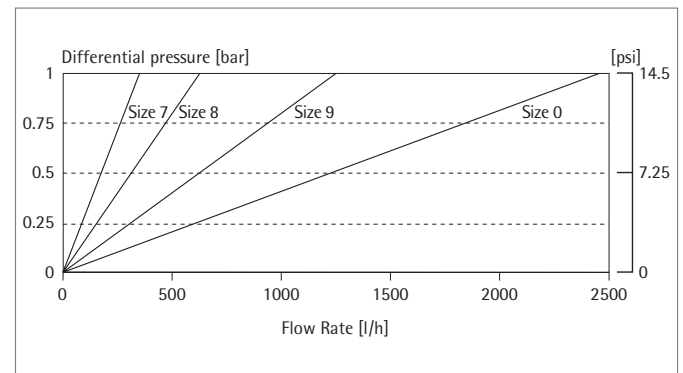
Min. 5 Sterilization Cycles (T-Style MaxiCaps®)

Technical References

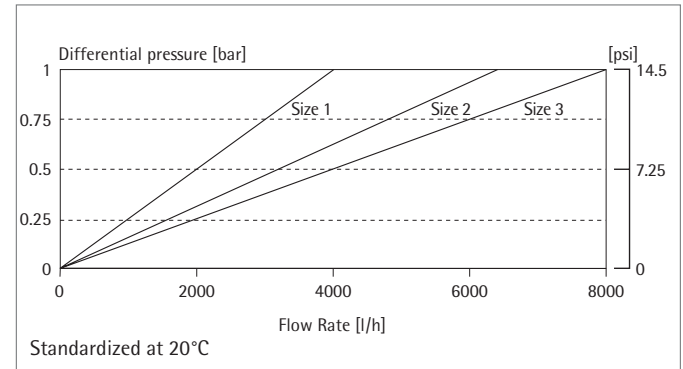
Validation Guide	SPK5726-e
Extractables Guide	SPK5720-e

Performance

Water Flow Rates for MidiCaps® with SS adapter



Water Flow Rates for MaxiCaps®



Ordering Information



Mini Cartridge

523 15 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 m² | 0.5 ft²
8: 0.1 m² | 1.1 ft²
9: 0.2 m² | 2.2 ft²

Packing Size
B: box of 5



Cartridge

523 25 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 m² | 3.2 ft² (5")
1: 0.6 m² | 6.5 ft² (10")
2: 1.2 m² | 12.9 ft² (20")
3: 1.8 m² | 19.4 ft² (30")

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



T-Style MaxiCaps®

523 83 07 H . . .

Filter Size
1: 0.8 m² | 8.6 ft² (10")
2: 1.6 m² | 17.2 ft² (20")
3: 2.4 m² | 25.8 ft² (30")

Sterilization
 ---: autoclavable

Connector Inlet
S: 1½" Tri-Clamp 50 mm
O: ½" single stepped hose barb

Connector Outlet
S: 1½" Tri-Clamp 50 mm
O: ½" single stepped hose barb



MaxiCaps®

523 73 07 H . . .

Filter Size
1: 0.6 m² | 6.5 ft² (10")
2: 1.2 m² | 12.9 ft² (20")
3: 1.8 m² | 19.4 ft² (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

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



MidiCaps®

523 53 07 H

Filter Size
7: 0.05 m² | 0.5 ft²
8: 0.1 m² | 1.1 ft²
9: 0.2 m² | 2.2 ft²
0: 0.45 m² | 4.8 ft²

Sterilization
 ---: autoclavable

Connector Inlet
S: 1½" Tri-Clamp 50 mm
O: ½" single stepped hose barb
F: ¾" Tri-Clamp 25 mm (only size 7 with filling bell)

Connector Outlet
S: 1½" Tri-Clamp 50 mm
O: ½" single stepped hose barb
F: ¾" Tri-Clamp 25 mm (only size 7 with filling bell)

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 m² | 0.16 ft²
5: 0.03 m² | 0.32 ft²

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

Packing Size
B: box of 5

Check the availability of your desired configuration with your Sartorius sales representative or online at:



www.sartorius-stedim.com

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