

Sartopure® PP 2 MidiCaps® and MaxiCaps®

Particle Filtration & Bioburden Reduction Filter Capsules

Prefilter MidiCaps® & MaxiCaps®



Description

Sartopure® PP 2 MidiCaps® and MaxiCaps® are self-contained ready to use filter capsules for a wide range of prefiltration applications. Retention of hard, non deformable particles and reduction of bioburden from liquids as well as gases is ensured through fractionated defined depth filtration. Sartopure® PP 2 MidiCaps® and MaxiCaps® combine multiple layers of progressively finer pleated polypropylene depth filter materials. They are ideally suited for clarification and pre-filtration prior to membrane filtration.

Applications

Typical applications for Sartopure® PP2 MidiCaps® and MaxiCaps® are particle removal and bioburden reduction from various process media like:

- Plasma Fractions
- Vaccines
- MAB
- Diagnostics
- Purified Protein Solutions
- Biological Fluids
- Ophthalmics
- Solutions containing Preservatives
- WFI

Security

The Sartopure® PP 2 filter elements ensure the selective, effective and defined particle retention. They are a valuable protection for the final filter. The all polypropylene construction offers a broad chemical compatibility.

Performance

Sartopure® PP2 filter elements combine high dirt loading capacities with long service life and extremely high flow rates.

Economical Results

Considering all features and benefits, Sartopure® PP2 filters guarantee the maximum in process profitability.

Flexibility

Sartopure® PP2 MidiCaps® and MaxiCaps® are available with various filtration areas from 500 cm² | 0.5 ft² up to 1.8 m² | 18 ft² for easy adoption to any filtration process independent from the batch size.

Scalability

Consistent and predictable scale-up and down trials can reliably be performed as all Sartopure® PP 2 MidiCaps® and MaxiCaps® are produced with the same type of membrane and identical materials of construction.

Cost Saving

The use of the disposable capsule design concept avoids investments into stainless steel filter housings and eliminates additional costs for cleaning of housings and cleaning validation.

Documentation

Sartopure® PP 2 MidiCaps® & MaxiCaps® are designed, developed and manufactured in accordance with a ISO 9001 certified Quality Management System. A Validation Guide is available for compliance with regulatory requirements.

Specifications

Materials

Filter Material:	Polypropylene fleeces
Support fleece:	Polypropylene
Core:	Polypropylene
End caps:	Polypropylene
Capsule Housing:	Polypropylene
O-Rings:	Silicone
Filling Bell:	Polycarbonate

Retention Rates

0.65 µm, 1.2 µm, 3 µm, 5 µm, 8 µm, 20 µm, 50 µm

Available Sizes | Filtration Area

MidiCaps®

Size 7	0.05 m ² 0.5 ft ²
Size 8	0.10 m ² 1.1 ft ²
Size 9	0.2 m ² 2.2 ft ²
Size 0	0.45 m ² 4.8 ft ²

MaxiCaps®

Size 1	10"	0.6 m ² 6.5 ft ²
Size 2	20"	1.2 m ² 12.9 ft ²
Size 3	30"	1.8 m ² 19.4 ft ²

Available Connectors MidiCaps®

SS, SO, OO, FF, FO, HH (only size 7)

Available Connectors MaxiCaps®

SS, SO, OO, FF, BB

S:	1½" Tri-Clamp (Sanitary)
O:	½" Single stepped hose barb
F:	¾" Tri-Clamp (Sanitary)
H:	¼" Multiple stepped hose barb (with filling bell at the outlet)
B:	¾" - 1" Multiple stepped hose barb

Operating Parameters

Max. Allowable Differential Pressure:	5 bar 72.5 psi at 20°C (MidiCaps®) 2 bar 29 psi at 80°C (MidiCaps®) 4 bar 58 psi at 20°C (MaxiCaps®) 3 bar 43.5 psi at 20°C (MaxiCaps®)
Max. Allowable Back Pressure:	2 bar 29 psi at 20°C

По вопросам продаж и поддержки обращайтесь:

Астана+7(7172)727-132, Волгоград(844)278-03-48, Воронеж(473)204-51-73, Екатеринбург(343)384-55-89,
Казань(843)206-01-48, Краснодар(861)203-40-90, Красноярск(391)204-63-61, Москва(495)268-04-70,
Нижний Новгород(831)429-08-12, Новосибирск(383)227-86-73, Ростов-на-Дону(863)308-18-15, Самара(846)206-03-16,
Санкт-Петербург(812)309-46-40, Саратов(845)249-38-78, Уфа(347)229-48-12

sst@nt-rt.ru || sartorius.nt-rt.ru

Specifications

Extractables

Sartopure® PP 2 MidiCaps® Et MaxiCaps® meet, or exceed the requirements for WFI quality standards set by the current USP.

Regulatory Compliance

Non pyrogenic according to USP Bacterial Endotoxins

Pass USP Plastic Class VI Test

Non fiber releasing according to 21 CFR

Sterilization

Autoclaving

134°C, 2 bar, 30 min

No In-Line Steam Sterilization

Sterilization Cycles

Autoclaving: Min. 25

Technical References

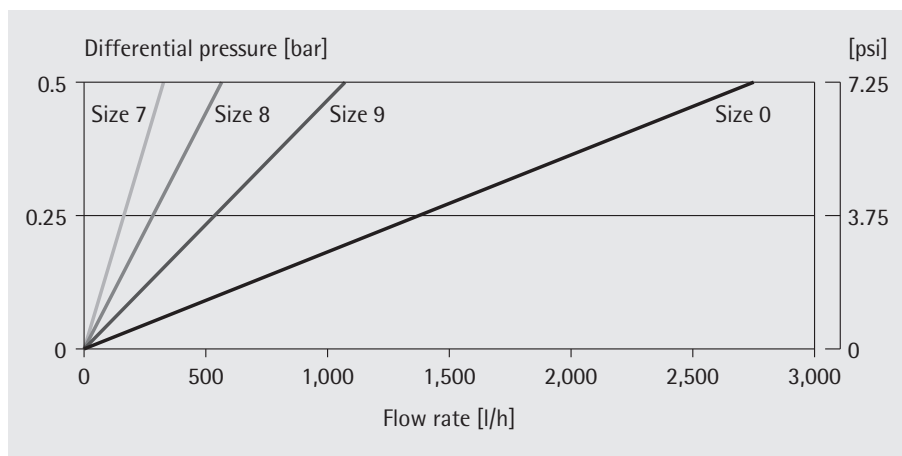
Validation Guide

SPK5717-e

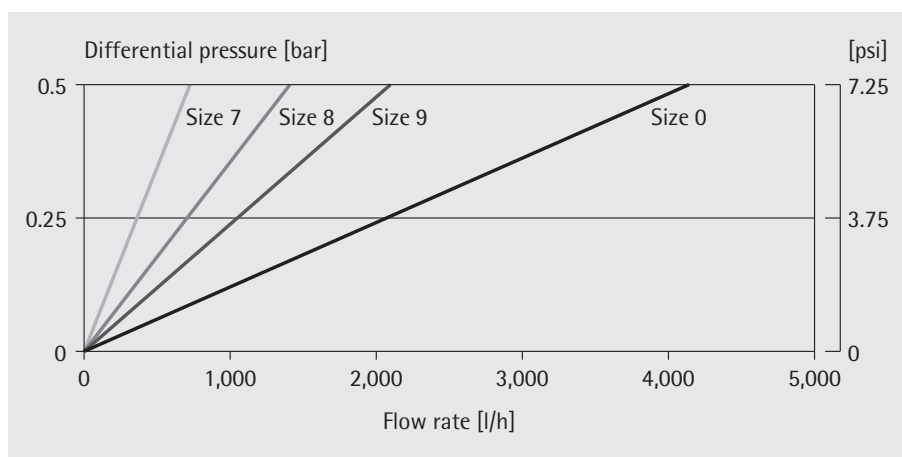
Extractable Guide

SPK5719-e

Water Flow Rates for Sartopure® PP 2 0.65 µm MidiCaps® with SS inlet and outlet



Water Flow Rates for Sartopure® PP 2 1.2 µm MaxiCaps® with SS inlet and outlet



Order Code	Retention Rate [µm]	Pack Size [Pieces]
MidiCaps®		
5595305Px--**--X	0.65	4 2 (only Size 0)
5595303Px--**--X	1.2	4 2 (only Size 0)
5595302Px--**--X	3.0	4 2 (only Size 0)
5595342Px--**--X	5.0	4 2 (only Size 0)
5595301Px--**--X	8.0	4 2 (only Size 0)
5595320Px--**--X	20.0	4 2 (only Size 0)
5595350Px--**--X	50.0	4 2 (only Size 0)
MaxiCaps®		
5591305Px--**	0.65	1
5591303Px--**	1.2	1
5591302Px--**	3.0	1
5591342Px--**	5.0	1
5591301Px--**	8.0	1
5591320Px--**	20.0	1
5591350Px--**	50.0	1

x: Size

**.: Connector Styles

X: Pack Size (A=4 pieces | V=2 pieces)

По вопросам продаж и поддержки обращайтесь:

Астана+7(7172)727-132, Волгоград(844)278-03-48, Воронеж(473)204-51-73, Екатеринбург(343)384-55-89,
 Казань(843)206-01-48, Краснодар(861)203-40-90, Красноярск(391)204-63-61, Москва(495)268-04-70,
 Нижний Новгород(831)429-08-12, Новосибирск(383)227-86-73, Ростов-на-Дону(863)308-18-15, Самара(846)206-03-16,
 Санкт-Петербург(812)309-46-40, Саратов(845)249-38-78, Уфа(347)229-48-12

sst@nt-rt.ru || sartorius.nt-rt.ru