



Sartopure® PP 2 MidiCaps® and MaxiCaps®

Particle Filtration & Bioburden Reduction
Filter Capsules

Product Information

Sartopure® PP 2 MidiCaps® and MaxiCaps® are self-contained ready to use filter capsules for the retention of hard, non deformable particles from liquids and gases. Sartopure® PP 2 MidiCaps® and MaxiCaps® contain multiple layers of pleated polypropylene depth filter fleece material. They are ideally suited for process associated prefiltration.



Applications

- Chemicals
- Solvents | Additives
- Water systems

Performance

Sartopure® PP2 filter elements combine high dirt loading capacities with long service life and extremely high flow rates and the all polypropylene construction offers a broad chemical compatibility.

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.

Technical Data

Specifications

Materials	
Filter Matrial	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)

MaxiCaps®

SS, SO, OO, FF, BB

- S: 11" Tri-Clamp (Sanitary)
- O: 1" Single stepped hose barb
- F: 3" Tri-Clamp (Sanitary)
- H: 1/4" Multiple stepped hose barb (with filling bell at the outlet)
- B: 3/4" – 1" Multiple stepped hose barb

Operating Parameters	
Max. Allowable Differential Pressure	5 bar 72.5 psi at Differential Pressure: 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

Extractables

Sartopure® PP 2 MidiCaps® & 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

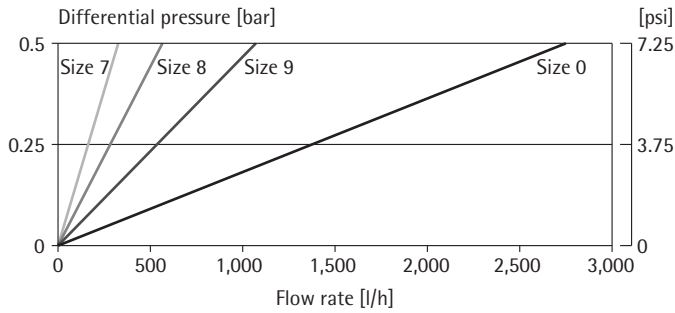
Sterilization Cycles

Autoclaving: Min. 25

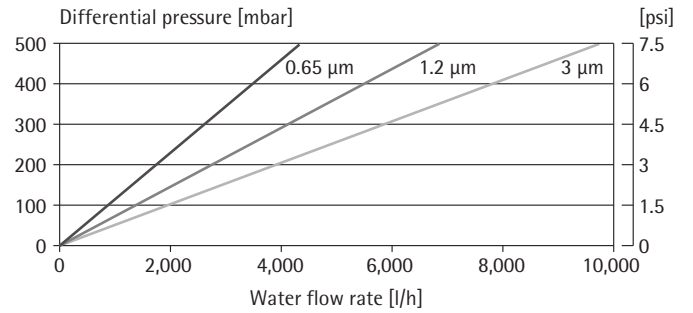
Technical References

Validation Guide	SPK5717-e
Extractables Guide	SPK5719-e

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



Water Flow Rates for Sartopure® PP2 MaxiCaps® 0.65 µm and 1.2 µm with SS inlet and outlet



Ordering Information

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)

Order Code	Retention Rate [µm]	Pack Size [Pieces]
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)

Sales and Service Contacts

For further contacts, visit www.sartorius-stedim.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 FMT S.A.S.
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 +36.23.457.227
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.

Phone +31.30.60.25.080
Fax +31.30.60.25.099

filtratie.nederland@sartorius-stedim.com

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

Spain

Sartorius Stedim Spain, S.A.U.
Avda. de la Industria, 32
Edificio PAYMA
28108 Alcobendas (Madrid)

Phone +34.902.110.935
Fax +34.91.358.96.23

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
Avenida Senador Vergueiro 2962
São Bernardo do Campo
CEP 09600-000 - SP- Brasil

Phone +55.11.4362.8900
Fax + 55.11.4362.8901

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.
No. 33 Yu'an Road
Airport Industrial Park Zone B
Shunyi District, Beijing 101300

Phone +86.10.80426516
Fax +86.10.80426580

Sartorius Stedim Biotech (Beijing) Co. Ltd.
Shanghai Branch Office
3rd Floor, North Wing, Tower 1
No. 4560 Jin Ke Road
Pudong District, Shanghai 201210

Phone +86.21.68782300
Fax +86.21.68782332 | 68782882

Sartorius Stedim Biotech (Beijing) Co. Ltd.
Guangzhou Representative Office
Unit K, Building 23
Huihua Commerce & Trade Building
No. 80 Xianlie Middle Road
Guangzhou 510070

Phone +86.20.37618687 | 37618651
Fax +86.20.37619051

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.
4th Fl., Daiwa Shinagawa North Bldg.
8-11, Kita-Shinagawa 1-chome
Shinagawa-ku, Tokyo, 140-0001 Japan

Phone +81.3.4331.4300
Fax +81.3.4331.4301

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-stedim.com