



Sartoclean® CA

Particle & Bioburden Reduction MaxiCaps® and MidiCaps®

MidiCaps® & MaxiCaps®



Description

Sartoclean® CA MaxiCaps® and MidiCaps® are the ideal choice for a broad range of prefiltration applications in the biopharmaceutical industry from particle removal to bioburden reduction. They offer a defined retention performance by size exclusion. The use of Sartoclean® CA prefilters avoids early blockage of downstream sterilizing grade membrane filters and contributes significantly to an economical design of your filtration system.

Applications

Featuring ultra low binding cellulose acetate membranes, Sartoclean® CA filters are typically used for membrane prefiltration of:

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

High Product Yield

Throughout the years the cellulose acetate membranes of the Sartoclean® CA filters have proven to be the membrane material with lowest unspecific binding capabilities, assuring highest protein yields and rapid preservative recovery enhancing your process efficiency.

Performance

Sartoclean® CA filters with heterogeneous double layer construction (3.0 | 0.8 µm & 0.8 | 0.65 µm) offer highest total throughput performance due to the "build-in prefiltration" to avoid filter change during filtration and assure economical system design. Single layer Sartoclean® CA filters (0.45 µm & 0.2 µm) offer highest flow rates for microbe retentive filtration.

Mechanical Strength

The reinforcement of the membrane results in increased mechanical and thermal resistance, especially of interest in applications with high differential pressure and with repeated steam sterilization of the filters.

Flexibility

Sartoclean® CA filters are available as standard filter cartridges, mini cartridges, MidiCaps® and MaxiCaps® offering broadest choice for scale-up and easiest adoption to varying process volumes.

Documentation

Sartoclean® CA MaxiCaps® and MidiCaps® 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

Prefilter Membrane	Cellulose Acetate
Endfilter Membrane	Cellulose Acetate
Support fleece	Polypropylene
Core	Polypropylene
End caps	Polypropylene
O-Rings	Silicone (optional EPDM or Vitron)

Pore Sizes

3.0 + 0.8 µm
0.8 + 0.65 µm
0.45 µm
0.2 µm

Effective Filtration Area | Single Layer

MidiCaps®

Size 7	0.08 m ² 0.9 ft ²
Size 8	0.16 m ² 1.7 ft ²
Size 9	0.3 m ² 3.2 ft ²
Size 0	0.6 m ² 6.5 ft ²

MaxiCaps®

Size 1 10"	0.74 m ² 8.0 ft ²
Size 2 20"	1.5 m ² 16.1 ft ²
Size 3 30"	2.2 m ² 23.7 ft ²

Effective Filtration Area | Double Layer

MidiCaps®

Size 7	0.05 m ² 0.5 ft ²
Size 8	0.1 m ² 1 ft ²
Size 9	0.2 m ² 2 ft ²
Size 0	0.45 m ² 5 ft ²

MaxiCaps®

Size 1 10"	0.6 m ² 6.5 ft ²
Size 2 20"	1.2 m ² 12.8 ft ²
Size 3 30"	1.8 m ² 19.3 ft ²

Available Connectors MidiCaps®

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

Available Connectors MaxiCaps®

SS, SO, OO

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

Operating Parameters

Max. allowable differential pressure	5 bar 72.5 psi at 20°C (MidiCaps®) 4 bar 58 psi at 20°C (MaxiCaps®) 2 bar 29 psi at 80°C (MidiCaps®) 3 bar 43.5 psi at 50°C (MaxiCaps®)
Max. allowable back pressure	2 bar 29 psi at 20°C

Specifications

Extractables

Sartoclean® CA MaxiCaps® and MidiCaps® 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 | 29 psi, 30 min

No In-Line Steam Sterilization

Sterilization Cycles

Autoclaving: Min. 25

Technical References

Validation Guide:
SPK5788-e

Order Information

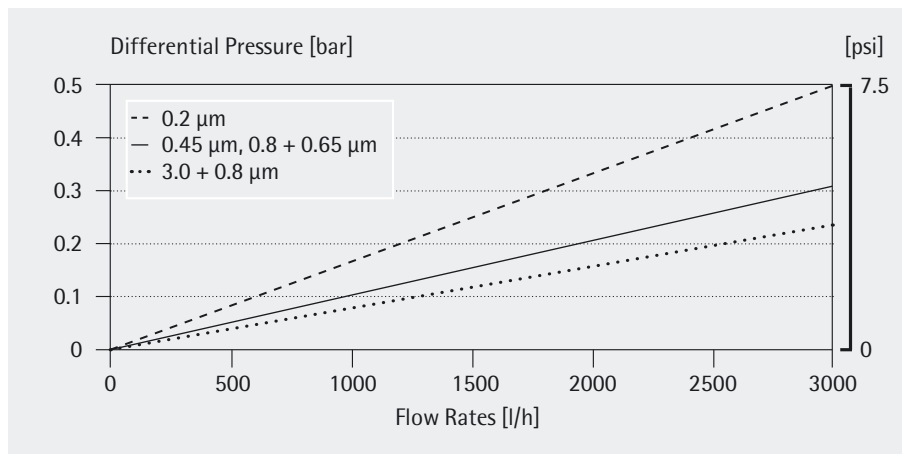
Order Code	Pore Size [µm]	Pack Size [Pieces]
MidiCaps®		
5625304Ex--**--X	3.0 + 0.8	4 2 (only Size 0)
5625305Gx--**--X	0.8 + 0.65	4 2 (only Size 0)
5625306Ax--**--X	0.45	4 2 (only Size 0)
5625307Ax--**--X	0.2	4 2 (only Size 0)
MaxiCaps®		
5621304Ex--**	3.0 + 0.8	1
5621305Gx--**	0.8 + 0.65	1
5621306Ax--**	0.45	1
5621307Ax--**	0.2	1

** : Adapter Type

x : Size

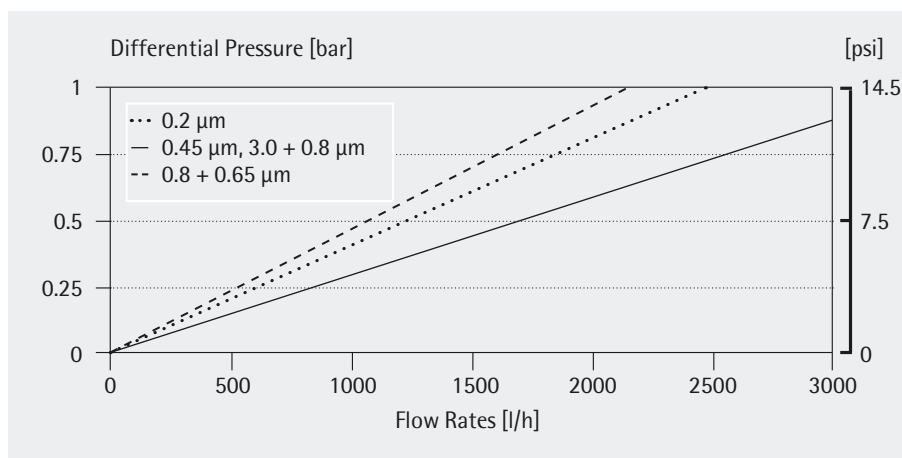
X : Pack Size (A= 4 pieces | V= 2 pieces)

Water Flow Rates for Sartoclean® CA 10" MaxiCaps®



Standardized at 20°C

Water Flow Rates for Sartoclean® CA 10" MidiCaps® Size 9, SS Connector



Standardized at 20°C

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