

Sartolon® 0.2 µm

Sterilizing Grade MidiCaps® and MaxiCaps®



sartorius stedim
biotech

Membrane Filter MidiCaps® & MaxiCaps®



Description

Sartolon® 0.2 µm rated membrane filter MidiCaps® and MaxiCaps® are self contained, ready to use, sterile filter units for sterilizing grade filtration in the pharma | biotech industry. Their unique hydrophilic nylon membrane provides broadest chemical compatibility for solvents and shows superior filtration performance over competitive Nylon filters.

Applications

Typical applications include sterilizing grade filtration of:

- Solvents
- Solvent containing solutions
- Antibiotics
- Bulk Pharmaceutical Chemicals

Compatibility

The Nylon membrane of Sartolon® MidiCaps® and MaxiCaps® provides a broad chemical compatibility, making Sartolon® filters the ideal choice for filtration of aggressive solvent solutions.

Easy to use

Sartolon® MidiCaps® and MaxiCaps® are delivered as individually packed sterile units. On site, pre-use sterilization can be eliminated.

Flexibility

Sartolon® MidiCaps® and MaxiCaps® are available with various filtration areas from 2.000 cm² | 2.2 ft² up to 1.8 m² | 19.4 ft² for easy adoption to any filtration process independent from the batch size.

Superior Performance

Sartolon® MidiCaps® and MaxiCaps® show superior total throughput and flow rate performance over competitive Nylon filter elements which allows you to design your filtration system more economically.

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.

Microbiological Retention

Sartolon® MidiCaps® and MaxiCaps® 0.2 µm rated are fully validated as sterilizing grade filters according to HIMA and ASTM F-838-05 guidelines.

Quality Control

Each individual element is tested for integrity by Diffusion Et Bubble-Point-Test prior to release, assuring absolute reliability.

Documentation

Sartolon® MidiCaps® and 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

Pre-filter Membrane:	Nylon
End-filter Membrane:	Nylon
Support fleece:	Polypropylene
Core:	Polypropylene
End caps:	Polypropylene
Capsule Housing:	Polypropylene
O-Rings:	Silicone

Pore Size Combination

0.45 µm + 0.2 µm

Available Sizes | Filtration Area

MidiCaps®

Size 9 0.2 m² | 2.2 ft²

MaxiCaps®

Size 1 0.6 m² | 6.5 ft²

Size 2 1.2 m² | 12.9 ft²

Size 3 1.8 m² | 19.4 ft²

Available Connectors MidiCaps®

SS, SO, OO, FF, FO

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	5 bar 72.5 psi at
Differential pressure:	20°C (MidiCaps®)
	4 bar 58 psi at
	20°C (MaxiCaps®)
	2 bar 29 psi at 80°C
Max. allowable back	2 bar 29 psi at 20°C
Pressure:	

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

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Specifications

Extractables

Sartolon® 2 0.2 µm rated MidiCaps® and MaxiCaps® meet or exceed the requirements for WFI quality standards set by the current USP.

Regulatory Compliance

Individually integrity tested

Integrity test correlated to HIMA/ASTM F 838-05 Bacteria Challenge Test.

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

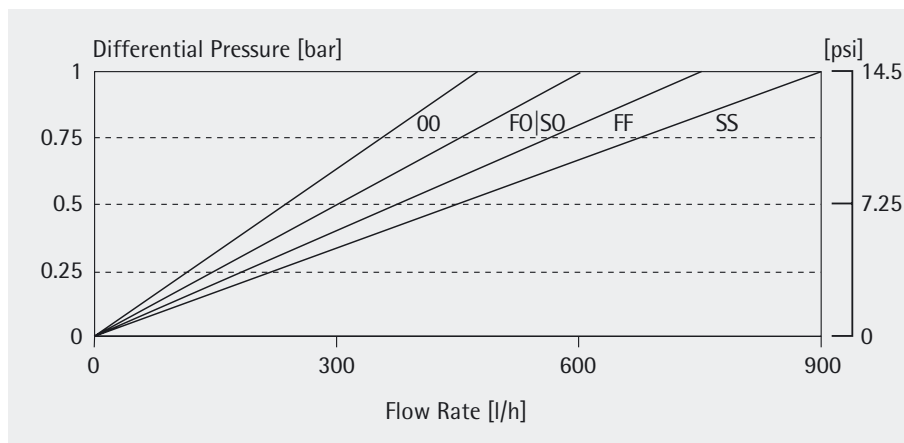
Autoclaving: Min. 25

Technical References

Validation Guide

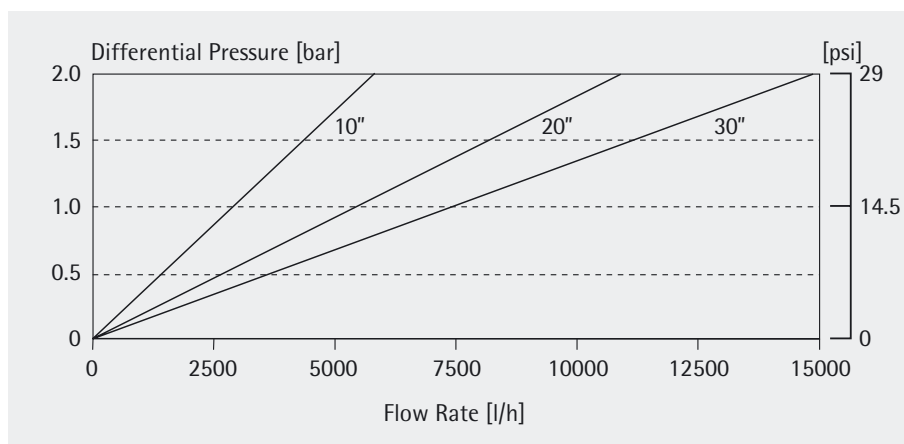
Extractables Guide

Water Flow Rates for Sartolon® MidiCaps® 0.2 µm rated with different connector combinations



Standardized at 20 °C

Water Flow Rates for 10", 20" and 30" Sartolon® MaxiCaps®



Standardized at 20 °C

Order Information

Order Code	Pore Size [µm]	Pack Size [Pieces]	Test Pressure [bar psi]	Max. Diffusion [ml/min]	Min. Bubble Point [bar psi]
MidiCaps® 5105307H9--**--A	0.2	4	2.5 36	4	3.0 43.5
MaxiCaps® 5101307H1--**	0.2	1	2.5 36	13	3.0 43.5
5101307H2--**	0.2	1	2.5 36	26	3.0 43.5
5101307H3--**	0.2	1	2.5 36	39	3.0 43.5

** : Connector Styles

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