



Sartofluor 150 & 300

Superior sterilizing grade air filtration for small scale bioreactors



Description

Sartofluor 150 and Sartofluor 300 capsules are the ideal ready-to-use sterilizing grade air filter units for venting of small-scale bioreactors and vessels. Sartofluor 150 and Sartofluor 300 offer the highest safety for valuable products. The filtration area is optimized for high flow rates at low differential pressures required by R&D labs in pharmaceutical and biotechnology research.

Applications

Typical applications for Sartofluor 150 and Sartofluor 300 are particle removal and sterile filtration of air and gases for:

- Bioreactors
- Vessels
- Glass Bottles

The hydrophobic PTFE membrane is also suitable for liquid filtration of aggressive media:

- Acids
- Solvents

Flow rate

The unique pleated filter construction offers superior flow rate at low differential pressures in comparison to conventional disk filter systems. Sartofluor 150 (150 cm²) and Sartofluor 300 (300 cm²) expand the portfolio of pleated membrane filters to fill the gap between small disk filters with 20 cm² filtration area and the smallest standard capsule with 500 cm² filtration area.

Microbiological Retention

Sartofluor 0.2 µm rated 150 & 300 capsules are fully validated as sterilizing grade filter elements according to HIMA and ASTM F-838-83 guidelines.

Quality Control

Each individual element is integrity tested prior to release, assuring absolute reliability.

Documentation

Sartofluor 150 & 300 capsules are designed, developed and manufactured in accordance with an ISO 9001 certified Quality Management System. A Validation Guide is available for compliance with regulatory requirements.

Specifications

Materials

Membrane:	PTFE
Support Fleece:	Polypropylene
Core:	Polypropylene
End Caps:	Polypropylene
Housing:	Polypropylene

Pore Size

0.2 µm

Available Sizes | Filtration Area

Size 4	0.015 m ² 0.16 ft ²
Size 5	0.03 m ² 0.32 ft ²

Available Connectors

SS, SO, 00	(150)
00	(300)

Operating Parameters

Max. Allowable Differential Pressure:	4 bar 58 psi at 20 °C	2 bar 29 psi at 80 °C
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

Sartofluor 0.2 µm rated 150 & 300 filter capsules meet, or exceed the requirements for WFI quality standards set by the current USP.

Regulatory Compliance

100% Individually integrity tested

Integrity test correlated to HIMA/ASTM F 838-83 Bacteria Challenge Test

Non-pyrogenic according to USP Bacterial Endotoxins

Meets USP Plastics Class VI biological reactivity test, in vivo

Non-fiber releasing according to 21 CFR

Sterilization

Autoclaving

134 °C, 2 bar | 29 psi, 30 min

Note

Sartofluor 150 and Sartofluor 300 capsules cannot be in-line steam sterilized

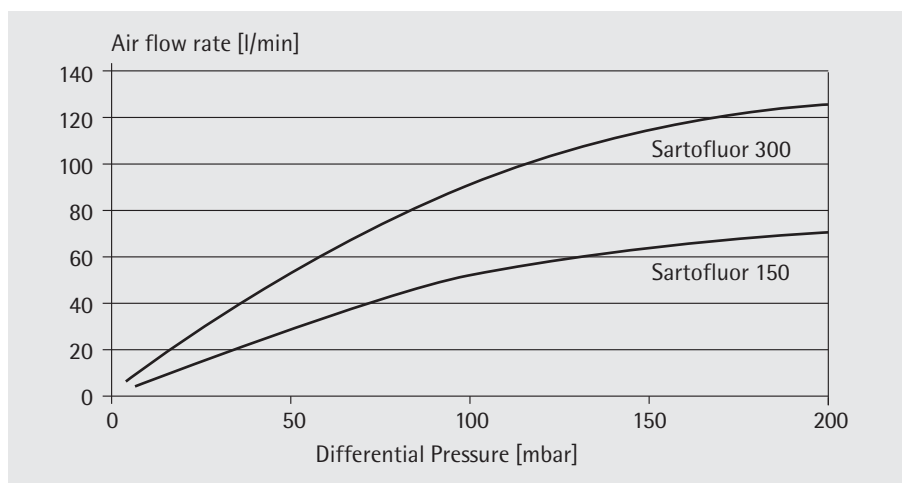
Sterilization Cycles

Autoclaving: Max. 3

Technical References

Validation Guide:

SPK 5732-e



Order Information

Order Code	Pore size [µm]
------------	----------------

Sartofluor 150

5181307T4--SS--B	0.2
------------------	-----

5181304T4--SO--B	0.2
------------------	-----

5181307T4--OO--B	0.2
------------------	-----

Sartofluor 300

5181307T5--OO--D	0.2
------------------	-----

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