

Sartopure PP2

Particle & Bioburden Reduction Filter Cartridges and Mini Cartridges



Description

Sartopure PP2 cartridges are optimized for a wide range of prefiltration applications. Their fractionated, defined depth filtration structure makes them suitable for particle retention and bioburden reduction in both liquid and air applications

Ideally suited for clarification and pre-filtration upstream of membrane filtration, Sartopure PP2 filters combine multiple layers of progressively finer pleated polypropylene depth filter material.

Applications

Typical applications for Sartopure PP2 filters are particle removal from various media including:

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

Security

Sartopure PP2 filter elements ensure selective, effective and defined particle retention, providing a valuable protection for final filters. The all polypropylene construction offers a broad chemical compatibility.

Performance

Sartopure PP2 filter elements feature high dirt loading capacities - long service life with exceptionally high flow rates.

Economical Results

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

Flexibility

Sartopure PP2 filters are available in various sizes as standard filter cartridges, mini-cartridges, capsules and MaxiCaps - offering broadest choice for scale-up and easiest adoption to various process volumes.

Documentation

Sartopure PP2 cartridges 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:	Multiple Polypropylene layers
Support Fleece:	Polypropylene
Core:	Polypropylene
End Caps:	Polypropylene
O-Rings:	Silicone (optional EPDM or Viton)

Retention Rates

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

Available Sizes | Filtration Area

Cartridges

Size 1	10"	0.6 m ² 6 ft ²
Size 2	20"	1.2 m ² 12 ft ²
Size 3	30"	1.8 m ² 18 ft ²

Mini Cartridges

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

Available Adapters Cartridges

21, 25, 27, 28

Available Adapter Mini Cartridges

15

Operating Parameters

Max. Allowable Differential Pressure:	5 bar 75 psi at 20 °C
	2 bar 29 psi at 80 °C
Max. Allowable Back Pressure:	2 bar 29 psi at 20 °C

Depth Filter Cartridges

Specifications

Extractables

Sartopure PP2 cartridges 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

In-Line Steam Sterilization

134°C, 20 min. at max differential pressure of 0.5 bar | 7 psi

Autoclaving

134°C, 2 bar | 29 psi, 30 min

Sterilization Cycles

In-Line Sterilization: Min. 25
Autoclaving: Min. 25

Technical References

Validation Guide:

SPK 5717-e

Extractables Guide:

SPK 5719-e

Ordering Guide:



Filter Family
559 = Sartopure PP2

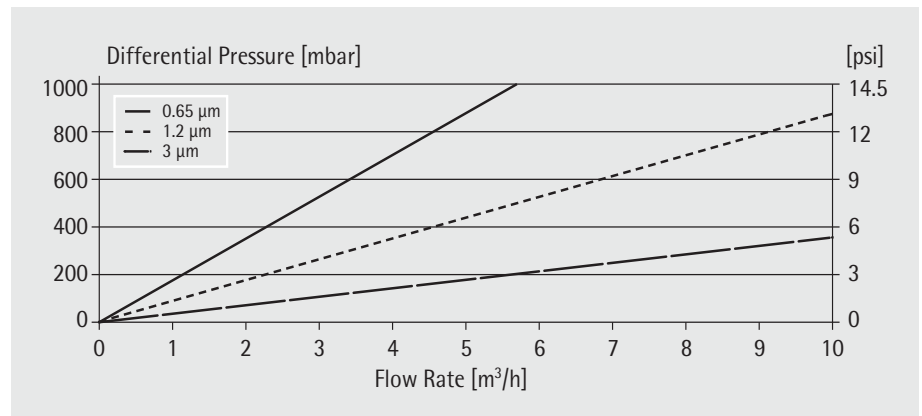
Filter Format
15 = Mini-Cartridge
21 = Double Open End
25 = Standard Cartridge (code 7)
27 = Standard Cartridge (code 3)
28 = Double 222 O-ring w/locking bayonet

Final Filter Pore Size
05 = 0.65 µm
03 = 1.2 µm
02 = 3.0 µm
42 = 5.0 µm
01 = 8.0 µm
20 = 20 µm
50 = 50 µm

Prefilter Pore Size
P = none (for all Sartopure PP2)

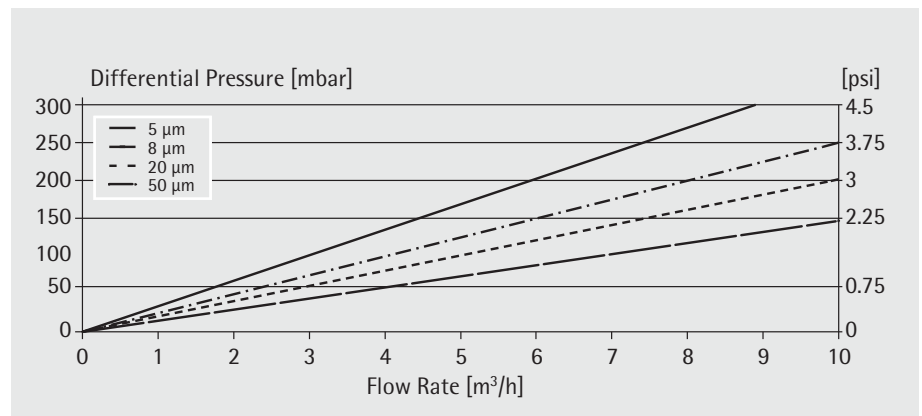
Cartridge Size, Surface Area
1 = 10" Standard Cartridge, 0.6m²/6ft²
2 = 20" Standard Cartridge, 1.2m²/12ft²
3 = 30" Standard Cartridge, 1.8m²/18ft²
7 = 0.05 m² / 0.5ft² Mini Cartridge
8 = 0.1 m² / 1ft² Mini Cartridge
9 = 0.2 m² / 2ft² Mini Cartridge

Water Flow Rates for 10" Cartridges



Standardized at 20 °C

Water Flow Rates for 10" Cartridges



Standardized at 20 °C

Sartorius AG
Weender Landstrasse 94-108
37075 Goettingen, Germany

Phone +49.551.308.0
Fax +49.551.308.3289
www.sartorius.com

USA +1.631.2544249
UK +44.1372.737100
France +33.1.69192100
Italy +39.055.634041
Spain +34.91.3586100
Japan +81.3.33293366

Specifications subject to change without notice.
Printed and copyrighted by Sartorius · W/sart-000 · G
Publication No.: SPK2024-e04041
Order No.: 85030-507-96