

Sartopure PP2

Particle & Bioburden Reduction Filter Cartridges



Description

Sartopure PP2 cartridges were optimized for the wide range of prefiltration. Retention of particles and reduction of bioburden from liquids as well as gases is ensured through fractionated defined depth filtration. Sartopure PP2 filters combine multiple layers of progressively finer pleated polypropylene depth filter material. They are ideally suited for clarification and prefiltration prior to membrane filtration.

Applications

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

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

Security

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

Performance

The Sartopure PP2 filter elements combine high dirt loading capacities with long service life and extremely high flow rates.

Economical Results

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

Flexibility

Sartopure PP2 filters are available as standard filter cartridges, mini cartridges, MaxiCaps, capsules and in various sizes to allow for broadest choice and highest process flexibility.

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 | MaxiCaps

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

Capsules | 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
Size 0	0.45 m ² 5 ft ² (only Capsules)

Available Adapters Cartridges

21, 25, 27, 28

Available Adapter Mini Cartridges

15

Available Connectors Capsules | MaxiCaps

SS, SO, OO

Operating Parameters

Max. Allowable Differential Pressure:	5 bar 75 psi at 20 °C (Cartridges)
	4 bar 58 psi at 20 °C (Capsules)
	3 bar 43.5 psi at 20 °C (MaxiCaps)
	2 bar 29 psi at 80 °C (Cartridges and Capsules)

Max. Allowable Back Pressure:	2 bar 29 psi at 20 °C
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Depth Filter Cartridges

Specifications

Extractables

Sartopure PP2 cartridges, MaxiCaps and Capsules 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

Note:

Capsules and MaxiCaps cannot be in-line steam sterilized!

Autoclaving

134 °C, 2 bar | 29 psi, 30 min

Sterilization Cycles

In-Line Sterilization: Min. 25
(only cartridges)

Autoclaving: Min. 25

Technical References

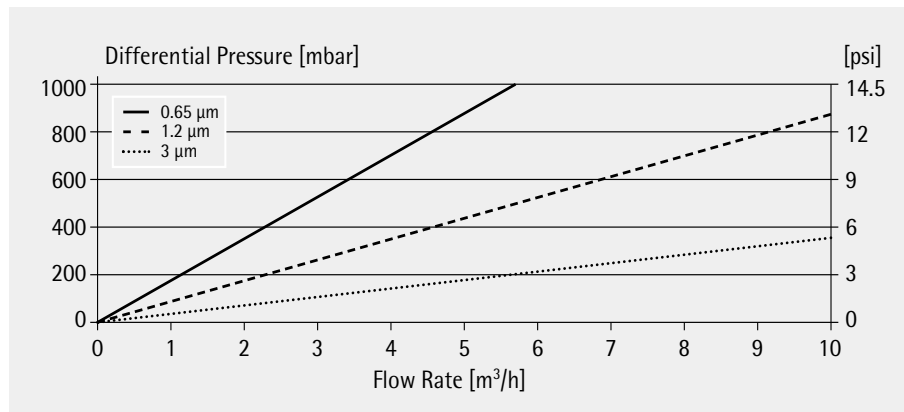
Validation Guide:

SPK 5717-e

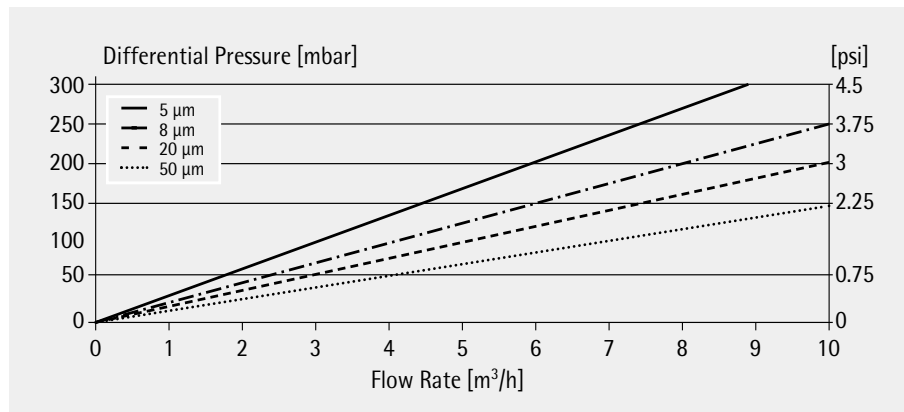
Extractables Guide:

SPK 5719-e

Water Flow Rates for 10" Cartridges and MaxiCaps



Water Flow Rates for 10" Cartridges



Order Information

Order Code	Pore size [µm]
Cartridges	
559**05PX	0.65
559**03PX	1.2
559**02PX	3
559**42PX	5
559**01PX	8
559**20PX	20
559**50PX	50

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