



# Sartopure® PP2

Particle & Bioburden Reduction Filter Cartridges

Depth 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®, MidiCaps® 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

Size 1	10"	0.6 m <sup>2</sup>   6.5 ft <sup>2</sup>
Size 2	20"	1.2 m <sup>2</sup>   12.9 ft <sup>2</sup>
Size 3	30"	1.8 m <sup>2</sup>   19.4 ft <sup>2</sup>
Size 4	40"	2.4 m <sup>2</sup>   25.9 ft <sup>2</sup>

#### Mini Cartridges

Size 7	0.05 m <sup>2</sup>   0.5 ft <sup>2</sup>
Size 8	0.1 m <sup>2</sup>   1.1 ft <sup>2</sup>
Size 9	0.2 m <sup>2</sup>   2.2 ft <sup>2</sup>

### Available Adapters Cartridges

21, 25, 27, 28

### Available Adapter Mini Cartridges

15

### Operating Parameters

Max. Allowable	5 bar   72.5 psi at 20 °C
Differential Pressure:	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

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## 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 (only cartridges)

Autoclaving: Min. 25

#### Technical References

#### Validation Guide:

SPK 5717-e

#### Extractables Guide:

SPK 5719-e

## Order Information

Order Code	Retention Rate [µm]	Pack Size [pieces]
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### Cartridges

559**05Px	0.65	1
559**03Px	1.2	1
559**02Px	3.0	1
559**42Px	5.0	1
559**01Px	8.0	1
559**20Px	20.0	1
559**50Px	50.0	1

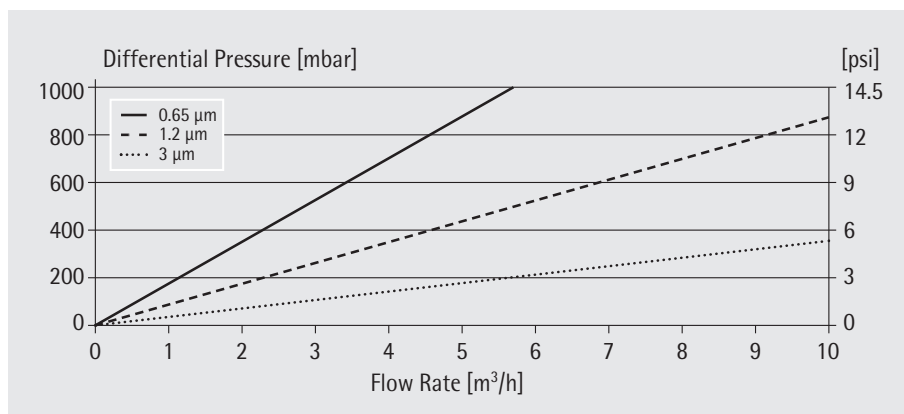
### Mini Cartridges

5591505Px-----B	0.65	5
5591503Px-----B	1.2	5
5591502Px-----B	3.0	5
5591542Px-----B	5.0	5
5591501Px-----B	8.0	5
5591520Px-----B	20.0	5
5591550Px-----B	50.0	5

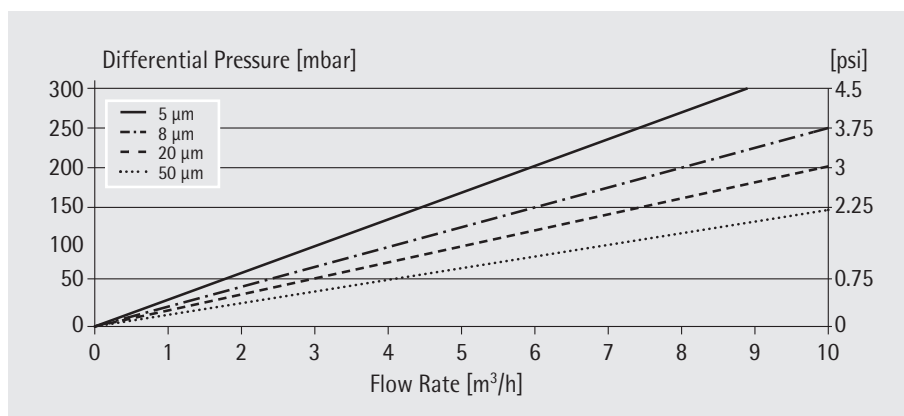
\*\* : Adapter Type

x : Size

Water Flow Rates for 10" Cartridges and MaxiCaps®



Water Flow Rates for 10" Cartridges



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