



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 ² 6.5 ft ² |
| Size 2 | 20" | 1.2 m ² 12.9 ft ² |
| Size 3 | 30" | 1.8 m ² 19.4 ft ² |
| Size 4 | 40" | 2.4 m ² 25.9 ft ² |

Mini Cartridges

| | |
|--------|---|
| Size 7 | 0.05 m ² 0.5 ft ² |
| Size 8 | 0.1 m ² 1.1 ft ² |
| Size 9 | 0.2 m ² 2.2 ft ² |

Available Adapters Cartridges

21, 25, 27, 28

Available Adapter Mini Cartridges

15

Operating Parameters

| | |
|---------------------------------------|---------------------------|
| Max. Allowable Differential Pressure: | 5 bar 72.5 psi at 20 °C |
| | 2 bar 29 psi at 80 °C |
| Max. Allowable Back Pressure: | 2 bar 29 psi at 20 °C |

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] |
|------------|---------------------|--------------------|
|------------|---------------------|--------------------|

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 |

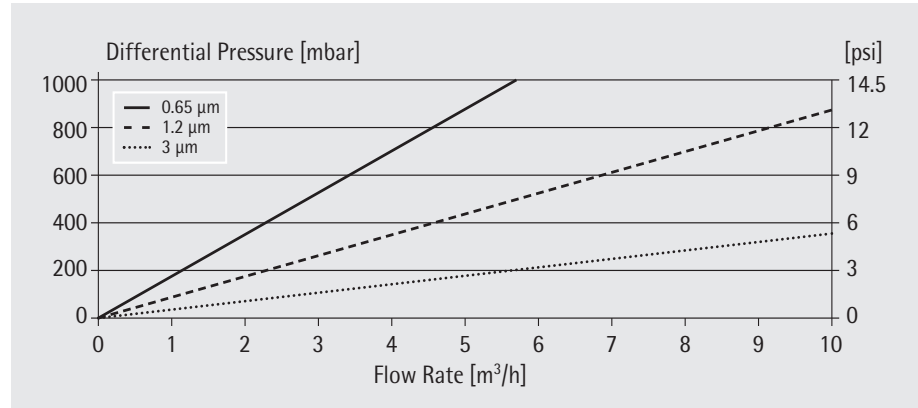
Mini Cartridges

| | | |
|-----------------|------|---|
| 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 |

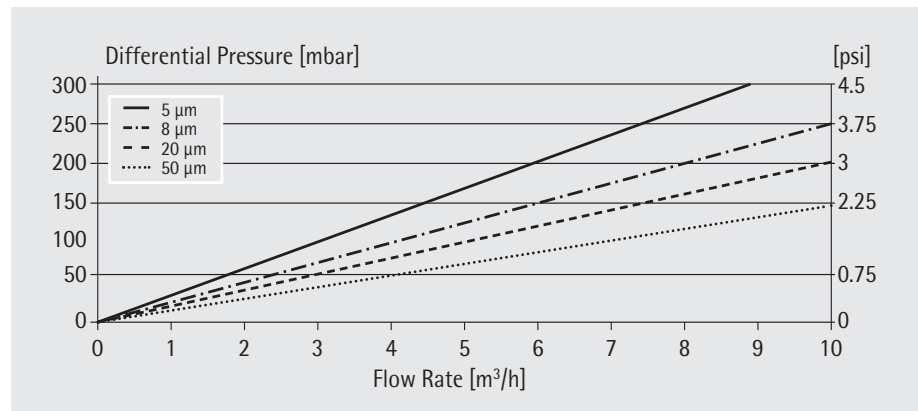
** : Adapter Type

x : Size

Water Flow Rates for 10" Cartridges and MaxiCaps®



Water Flow Rates for 10" Cartridges



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