



Sartobran® P 0.2 µm

Sterilizing Grade Filter Cartridges



Description

Sartobran® P sterilizing grade filter cartridges have proven throughout the years to be the first choice in the bio-pharmaceutical industry for all applications requiring low adsorption capabilities. The unique ultra low unspecific binding capacity of the cellulose acetate membranes assures highest protein yield and rapid preservative recovery. Sartobran® P filters are ideally suited for processing high value biological solutions like dilute protein solutions and pharmaceuticals sensitive to adsorption like dilute preservative solutions.

Applications

Sartobran® P filters are ideally suited for all applications that require highest product recovery rates like:

- Coagulation Factors, Albumine, IgG
- Bacterial and Viral Vaccines
- MAB's
- Bio-processed Pharmaceuticals
- Diagnostics
- Purified Protein Solutions
- Biological Fluids
- Solutions containing Preservatives

Highest Product Yield

The Sartobran® P's cellulose acetate membrane provides the lowest unspecific adsorption of any membrane material available, ensuring the highest product recovery rates.

Performance

Due to the "built-in prefiltration" by a 0.45 µm membrane, Sartobran® P 0.2 µm filters provide excellent total throughputs and higher flow rates at low differential pressure for gentle product treatment.

Flexibility

Sartobran® P 0.2 µm filters are available in traditional cartridge formats and disposable capsules from 150 cm² to 1.8 m² for simple linear scale up and process flexibility.

Microbiological Retention

Sartobran® P 0.2 µm rated filter cartridges are fully validated as sterilizing grade filter elements according to HIMA and ASTM F-838-05 guidelines.

Quality Control

Each individual element is integrity tested by diffusion and bubble point test prior to release, assuring absolute reliability.

Documentation

Sartobran® P cartridges are designed, developed and manufactured in accordance with an ISO 9001 certified Quality Management System. A Validation Guide and Extractables Guide are available for compliance with regulatory requirements.

Specifications

Materials

Prefilter Membrane:	Cellulose Acetate
Endfilter Membrane:	Cellulose Acetate
Support Fleece:	Polypropylene
Core:	Polypropylene
End Caps:	Polypropylene
O-Rings:	Silicone (optional EPDM or Viton)

Pore Size

0.45 µm + 0.2 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

Mini Cartridges

Size 7	0.05 m ²	0.54 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, 18

Operating Parameters

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

Specifications

Extractables

Sartobran® P 0.2 µm rated filter cartridges 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 838-05 Bacteria Challenge Test

Non-pyrogenic according to USP Bacterial Endotoxins

Passes USP Plastics 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 5726-e

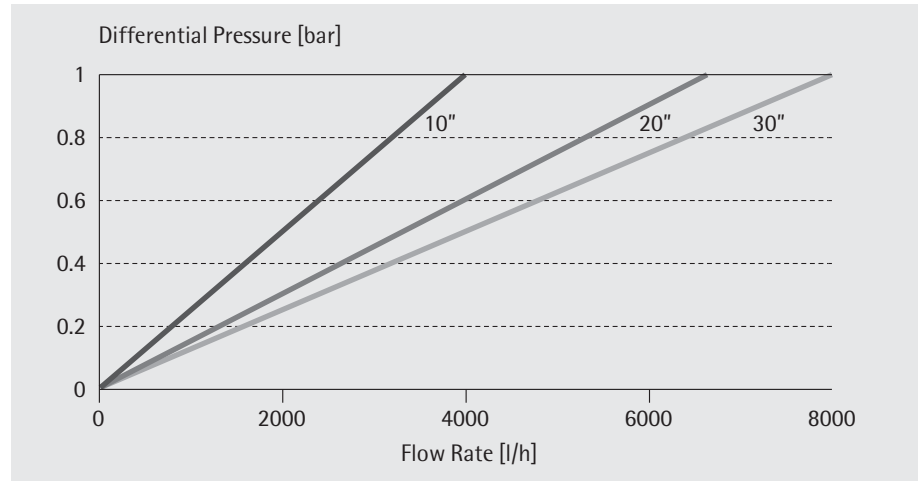
Extractables Guide:

SPK5720-e

Ordering Information

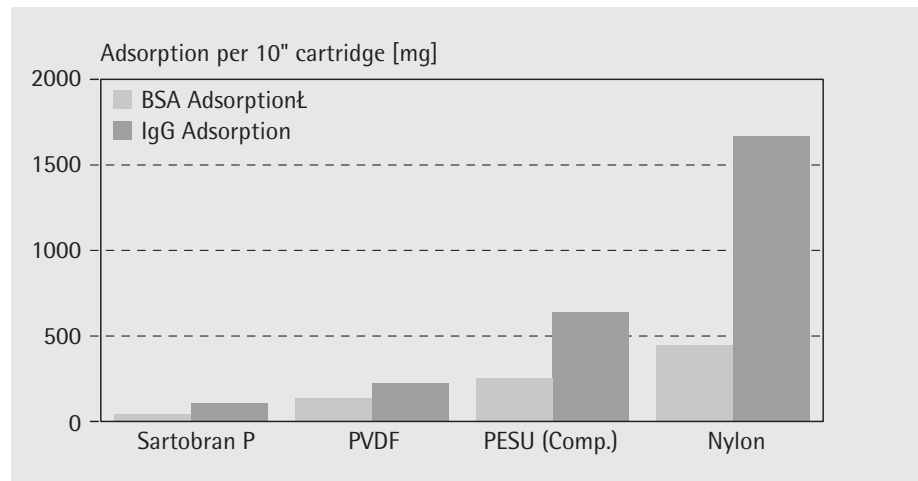
Order Code	Pore size [µm]
Standard Cartridges	
523**07H1----P	0.2
523**07H2----P	0.2
523**07H3----P	0.2
Mini-Cartridges	
5231507H7-----B	0.2
5231507H8-----B	0.2
5231507H9-----B	0.2

Water Flow Rates for Standard Cartridges



Standardized at 20 °C

Total Throughput Comparison



10" Cartridge format

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