



Sartocell P

Depth filter modules for the biopharmaceutical industry



Description

Sartoclear P filter modules are especially developed for use in the biopharmaceutical industry. They feature cellulose based depth filtration media with highest dirt holding capacity and electrokinetic adsorption combined with the advantage of a closed filtration system.

Applications

Sartocell P filter modules are applied in biopharmaceutical processes such as:

- Upstream filtration of growth media
- Downstream filtration of fermentation media (removal of cells or cell debris)
- Particle removal from chemical bulk ware
- Particle removal from serum and plasma
- Filtration of plasma derived products
- Separation of precipitants
- Endotoxin removal

Performance

Sartocell P filter modules provide an excellent total throughput and enhanced clarification. They provide economical upstream- and downstream filtration when retention of both, high particle load and colloidal contamination have to be realised.

Product Benefits

- The vertical modular system ensures totally enclosed process design
- Modular system optimises handling costs due to easy and quick handling
- Maximum product yield
- No droplet losses or contamination

Using Sartocell P

Sartocell P filter modules are being used in vertical filter housings which can be easily adapted to the batch volumes and process conditions on sight.

Scalability

For scale up trials 60 mm Sartoclear P filter pads are available which can be used together with the Zero T test. Filtration trials can then be performed using small volumes of products.

Quality Control

Sartocell P filter modules are designed, developed and manufactured in accordance with a DIN ISO 9001 certified Quality Management System. A Validation Guide is available with detailed data for compliance with regulatory requirements.

Specifications

Materials

- Polypropylene
- Silicone o-rings
- Cellulose
- Diatomaceous earth
- Perlite
- Resin binder

Retention Rates

C3P	11 µm
C4P	8 µm
C5HP	6 µm
C8HP	4 µm
F4HP	1.5 µm
F7HP	1 µm
S3P	0.5 µm
S5P	0.3 µm
S7P	0.2 µm
S9P	0.1 µm

Filtration Area

12" module	1.8 m ²
16" module	3.6 m ²

Operating Parameters

Max. Allowable Differential Pressure at 20 °C

C3P	2.5 bar	36 psi
C4P	2.5 bar	36 psi
C5HP	2.5 bar	36 psi
C8HP	2.5 bar	36 psi
F4HP	2.0 bar	29 psi
F7HP	2.0 bar	29 psi
S3P	1.5 bar	21 psi
S5P	1.5 bar	21 psi
S7P	1.5 bar	21 psi
S9P	1.5 bar	21 psi

Sartorius Depth Filter Modules

Specifications

Extractables

Sartocell P filter modules meet the requirements for WFI quality standards set by the current USP.

Non pyrogenic according to USP Bacterial Endotoxins
LAL level < 0,124EU/ml

Metal extractables
Please see brochure of Sartoclear P | Sartocell P

Pass USP Plastic Lass VI Test

Sterilization

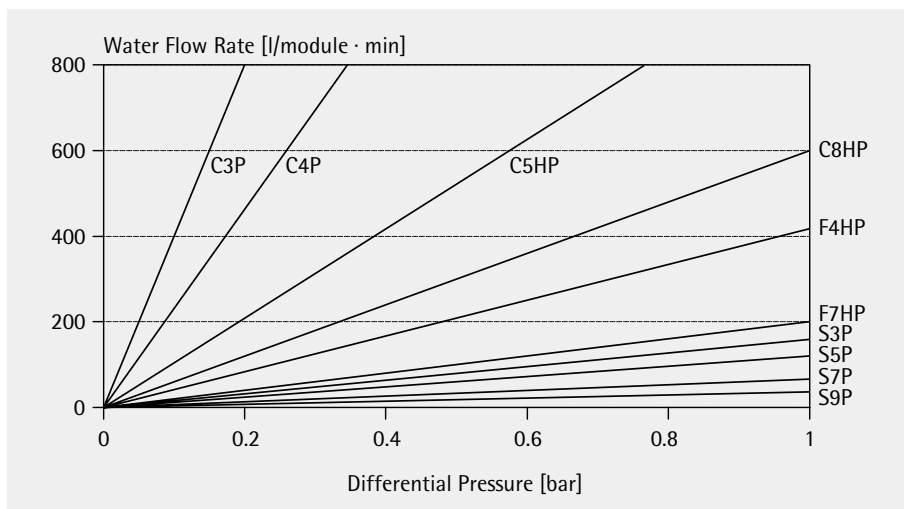
Steam: 121 °C, 30 min
Steam: 134 °C, 20 min

Autoclaving

134 °C, 20 min

Technical References

Brochure: SR-1501-e
Validation Guide: SR-5700-e



12" module, 16 cells

Order Information

291 F7H 12 16 P F - V

Sartocell Filter Module

Retention Rate

C3-	11 µm	(Type C3P)
C4-	8 µm	(Type C4P)
C5H	6 µm	(Type C5HP)
C8H	4 µm	(Type C8HP)
F4H	1.5 µm	(Type F4HP)
F7H	1 µm	(Type F7HP)
S3-	0.5 µm	(Type S3P)
S5-	0.3 µm	(Type S5P)
S7-	0.2 µm	(Type S7P)
S9-	0.1 µm	(Type S9P)

Module Diameter

12	= 12"
16	= 16"

Cells

16	= 16 Cells (flat adapter)
17	= 17 Cells (double O-ring adapter)

P = Pharma Grade

Module Adapter | Pack Size

S	= Double O-ring Adapter (1 Module/package)
F - V	= Flat Adapter (2 Modules/package - 12")
F	= Flat Adapter (1 Module/package - 16")

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