

Sartoclear P® MaxiCaps®

Depth filter MaxiCaps® for the biopharmaceutical industry



Description

Sartoclear P® MaxiCaps® are especially developed for cell harvest and clarification of cell culture and microbial fermentation media in biopharmaceutical applications. The products feature cellulose based depth filter media with highest dirt holding capacity and electrokinetic adsorption combined with the advantage of the unique and closed MaxiCap® system.

Applications

Sartoclear P® MaxiCaps® are applied in biopharmaceutical processes such as:

- Cell harvest & clarification of cell culture and other fermentation media
- Upstream filtration of growth media
- Particle and colloid removal from serum & plasma
- Removal of cryoprecipitants

Performance

At 1.100 cm² filter area each 10" MaxiCap® element contains more filter area than any comparable capsules on the market – offering you maximum benefits in terms of costs & speed of operation.

Product benefits

Sartoclear P® MaxiCaps® are completely disposable filters, which provides you the flexibility you need for modern disposable manufacturing. These disposable filters do not need stainless steel filter housing and thus eliminate cleaning validation. Sartoclear P® MaxiCaps® can be simply and directly connected to the downstream processing line or disposable bags. This minimizes direct contact of product with the operator and thus improves operator safety.

Flexibility

Sartoclear P® MaxiCaps® are available with various filtration areas from 0.11 m² to 0.22 m² for ease of use in any depth filtration processes from batch sizes of 500 ml to 100 liter.

Scale up

Sartoclear P® MaxiCaps® provide highest scale-up security for either small scale manufacturing or large scale production. Scale up from a small 23 cm² or 30 cm² capsule to a full scale production design will be optimized by employing an intermediary scale up step with Sartoclear P® MaxiCaps®.

Quality Control

Each individual MaxiCap® undergoes a pressure hold test during manufacture to guarantee product stability.

Specifications

Materials

Depth Filter media	Cellulosic depth filter media with inorganic filter aids
Sealing media	Silicone
Core	Polypropylene
End caps	Polypropylene
Capsule housing	Polypropylene

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

10" MaxiCap®	1.100 cm ²
12" MaxiCap®	2.200 cm ²

Operating Parameters

Max. allowable Differential Pressure	2.0 bar 29psi
Max. allowable back pressure	0.03 bar 0.4 psi

Extractables

Sartoclear P® MaxiCaps® meet the requirements for WFI quality standards set by the current USP.

Non pyrogenic according to USP Bacterial Endotoxins after a flush of 8 l WFI per 10" MaxiCap® and 16 liter per 20" MaxiCap®. LAL level < 0.125 UE/ml

Pass USP Plastic Class VI Test
Metal extractables
(Please see validation guide of Sartoclear P® MaxiCaps®)
Non fiber releasing according 21 CFR

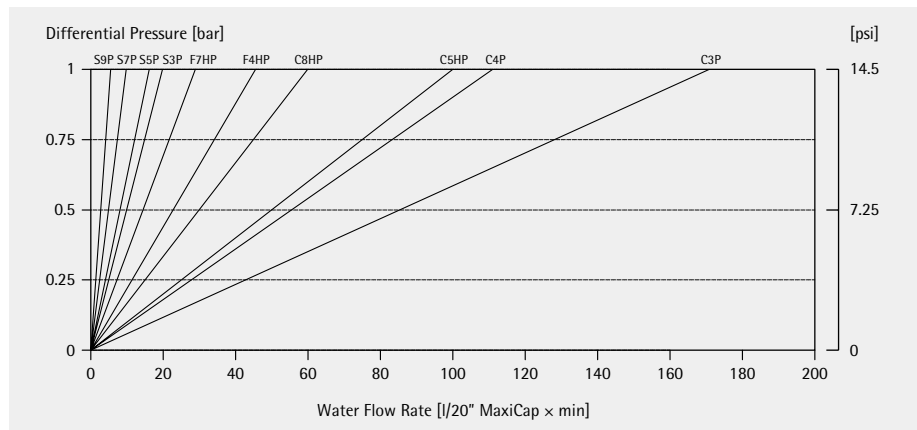
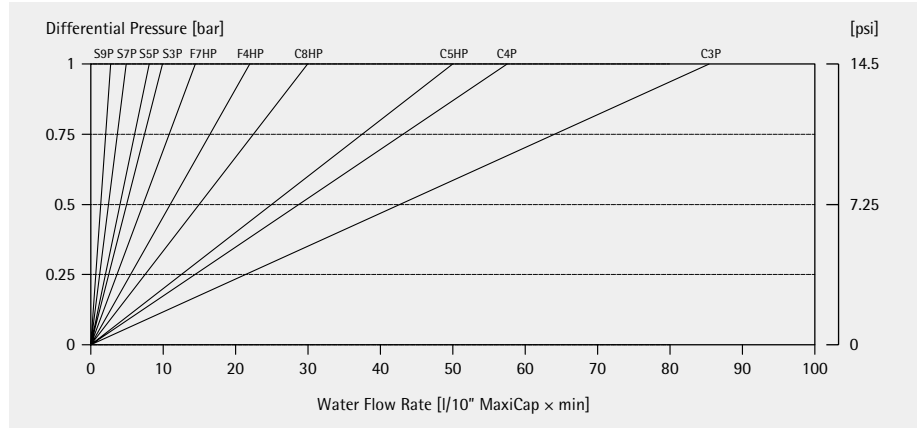
Sterilization

1 cycle of wet autoclaving 121°C at 1 bar for 30 min
MaxiCaps® may not be in line steam sterilized!

Sartorius Depth Filter MaxiCaps®

Technical References

Brochure: 85030-519-85
 Validation Guide: 85030-519-88
 Directions for use: 85030-519-84



Order Information

293 F7H P 13 - 1 SS

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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)

Developed
for biopharmaceutical applications

Capsule Design

Dash | Space

Height

1 = 10"
 2 = 20"

Connector

SS = Sanitary Inlet + Outlet

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 by Sartorius - W/sart-000 - G
 Publication No.: SPK2058-e04041
 Order No.: 85030-519-87