

Sartoclean CA

Particle & Bioburden Reductive Filter Capsules and MaxiCaps



Description

Sartoclean CA filter capsules and MaxiCaps offer defined retention by size exclusion and are the choice for a broad range of prefiltration applications in the biopharmaceutical industry. Ideal for applications ranging from particle removal to bioburden reduction, Sartoclean CA prefilters prevent early blockage of downstream sterilizing grade membrane filters and thus contribute significantly to an economical design of your filtration system.

Applications

Featuring ultra low-binding cellulose acetate membranes, Sartoclean CA filters are typically used for membrane prefiltration of:

- Plasma Fractions
- Vaccines
- MAB
- Diagnostics
- Purified Protein Solutions
- Biological Fluids
- Solutions containing Preservatives

High Product Yield

Throughout the years the cellulose acetate membranes of Sartoclean CA filters have proven to be the membrane material with lowest unspecific binding characteristics, assuring highest protein yields and rapid preservative recovery and thereby enhancing your process efficiency.

Performance

Sartoclean CA filters with a heterogeneous double layer construction offer optimal retention and throughput. The "built-in prefiltration" configuration (3.0/0.8 µm & 0.8/0.65 µm) offers highest total throughput performance and helps prevent frequent filter change out and thus assures economical system design. Single layer Sartoclean CA filters (0.45 µm & 0.2 µm) offer highest flow rates for microbe retentive filtration.

Mechanical Strength

Reinforcement of the membranes results in enhanced mechanical strength and thermal resistance. These attributes are especially of interest in applications with high differential pressure and also in those that may require repeated steam sterilization of the filters.

Flexibility

Sartoclean CA filters are available as capsules, MaxiCaps, standard filter cartridges and mini cartridges - offering the broadest choice for scale-up and easiest adoption to various process volumes.

Documentation

Sartoclean CA capsules are designed, developed and manufactured in accordance with an ISO 9001 certified Quality Management System. A Validation Guide is available for compliance with regulatory requirements.

Specifications

Materials

Prefilter Membrane:	Cellulose Acetate
Endfilter Membrane:	Cellulose Acetate
Support Fleece:	Polypropylene
Core:	Polypropylene
End caps:	Polypropylene
Outer shell:	Polypropylene

Pore Sizes

3.0 + 0.8 µm
 0.8 + 0.65 µm
 0.45 µm
 0.2 µm

Available Sizes | Filtration Area

MaxiCaps

Size 1	10"	0.74 m ² 7.4 ft ²
Size 2	20"	1.5 m ² 15 ft ²
Size 3	30"	2.2 m ² 22 ft ²

Capsules

Size 7	0.08 m ² 0.8 ft ²
Size 8	0.16 m ² 1.6 ft ²
Size 9	0.3 m ² 3 ft ²
Size 0	0.6 m ² 6 ft ²

Available Connectors

SS, SO, OO

Operating Parameters

Max. allowable	4 bar 58 psi at 20 °C
Differential pressure:	(Capsules)
	3 bar 43.5 psi at 20 °C
	(MaxiCaps)
	2 bar 43.5 psi at 80 °C
Max. allowable back pressure:	2 bar 29 psi at 20 °C

Membrane Filter Capsules and MaxiCaps

Specifications

Extractables

Sartoclean CA Capsules and MaxiCaps 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

Autoclaving

134 °C, 2 bar | 29 psi, 30 min

Sterilization Cycles

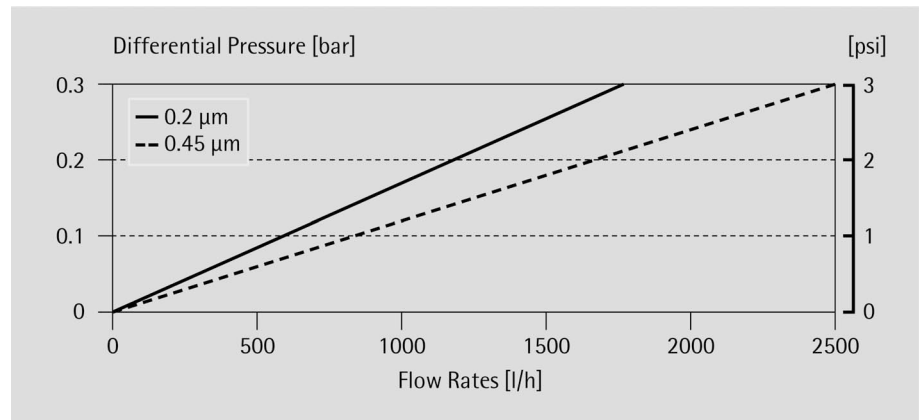
Min. 25

Technical References

Validation Guide:

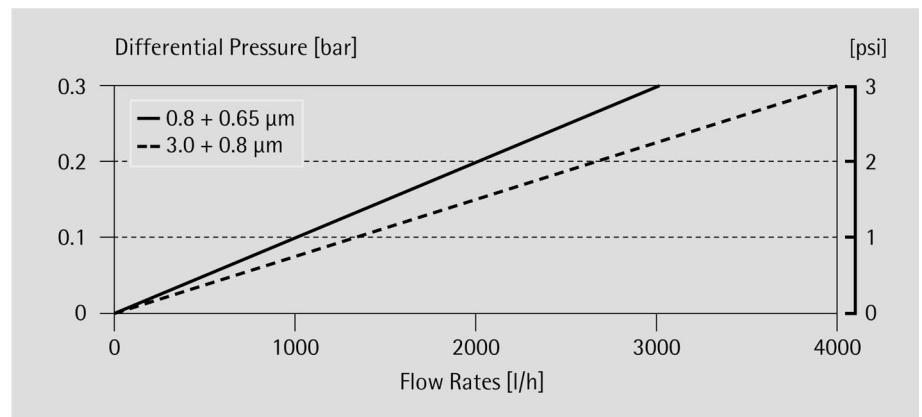
SPK5718-e

Water Flow Rates for Sartoclean CA 10" Maxicaps



Standardized at 20 °C

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Standardized at 20 °C

Ordering Guide:



Filter Family
562 = Sartoclean CA

Filter Format
13 = Capsules, MaxiCaps

Final Filter | Prefilter Pore Size
07A = 0.2 µm (no prefilter)
06A = 0.45 µm (no prefilter)
06F = 0.45 µm / 1.2 µm
05G = 0.65 µm / 0.8 µm
04E = 0.8 µm / 3.0 µm

Capsule Size
1 = 10" MaxiCap, 0.74m² / 7.4ft²
2 = 20" MaxiCap, 1.5m² / 15ft²
3 = 30" MaxiCap, 2.2m² / 22ft²
7 = 0.08 m² / 0.8ft² Capsule
8 = 0.16 m² / 1.6ft² Capsule
9 = 0.3 m² / 3ft² Capsule
0 = 0.6 m² / 6ft² Capsule

Connectors
SS = 1-1.5" sanitary flange inlet/outlet
S0 = Sanitary inlet, Hose barb outlet
00 = 1/4" Hose Barb, inlet/outlet

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