



Sartofluor LG MaxiCaps

Membrane Filtration of aggressive media



Description

MaxiCaps are a unique new housing design concept from Sartorius that brings the benefits of single use filter elements to process scale. The incorporation of standard filter cartridges into self contained, high, quality polypropylene housings makes it possible to operate large scale filter installations without the need for filter housings.

Applications

Sartofluor LG MaxiCaps improve the process security of sterile filtration of aggressive media (acids and bases) and solvents. There is no need to open the filter housing after filtration. The capsule design allows filtration of such media without any handling of the contaminated filter cartridge post use.

Speed of Operation

MaxiCaps are ready-to-use, saving time and money. No more backup filtration rigs to prepare. MaxiCaps can be easily replaced should any operational difficulties occur.

Process Security

By relying on established process validation data for standard cartridge elements, MaxiCaps can easily be implemented into current filtration processes.

Cleaning Validation

As these capsules are single use filter elements, there is no need to spend time and money for validating the efficiency of your cleaning procedure for filter housing.

Cost

Sartofluor LG MaxiCaps remove the need for investment in stainless steel or PVDF filter housings and an inventory of spare parts such as valves and O-rings.

Specifications

Materials

Filter Membrane:	PTFE
Support Fleece:	Polypropylene
Core:	Polypropylene
End Caps:	Polypropylene
O-Rings:	EPDM (Viton as accessory in the package)

Pore Size

0.2 µm

Available Sizes | Filtration Area

Size 1	10"	0.5 m ²	5.4 ft ²
Size 2	20"	1.0 m ²	10.8 ft ²
Size 3	30"	1.5 m ²	16.1 ft ²

Available Adapters Connectors

SS, SO, 00

Operating Parameters

Max. Allowable Differential Pressure:	3 bar 43.5 psi at 20 °C
Max. Allowable Back Pressure:	2 bar 29 psi at 20 °C

Membrane Filter Capsules

Specifications

Extractables

Sartofluor LG MaxiCaps 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 838-83 Bacteria Challenge Test

Non-pyrogenic according to USP Bacterial Endotoxins

Meets USP Plastics Class VI biological reactivity test, in vivo

Non-fiber releasing according to 21 CFR

Sterilization

Autoclaving

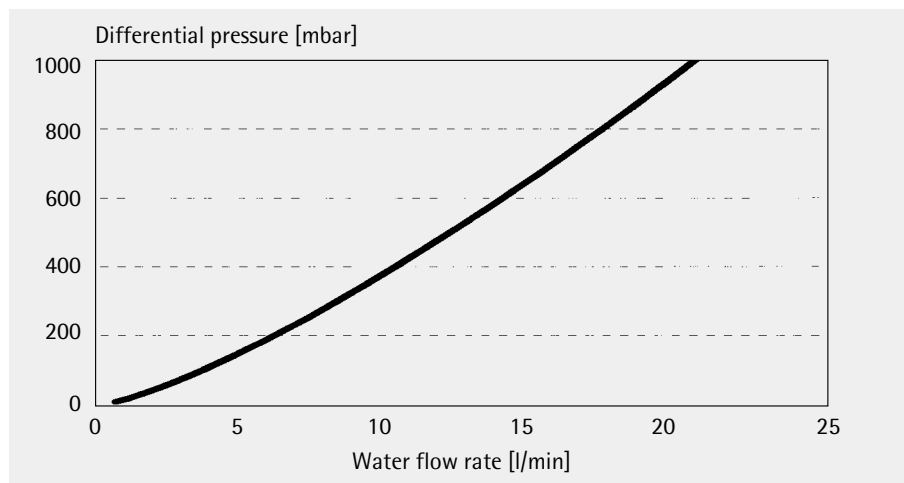
134 °C, 2 bar | 29 psi, 30 min

No In-Line Steam Sterilization

Sterilization Cycles

Autoclaving: min 25

Water Flow Rates* for Sartofluor LG MaxiCaps 0.2 µm with Sanitary Flanges



* Prewetted with IPA | water

Ordering Information

Order Code	Pore size [µm]
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Capsules:	
5181307T1--**	0.2
5181307T2--**	0.2
5181307T3--**	0.2

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