

Aqua Star CA

Filter Cartridge for Particle & Bioburden Reduction



Description

Aqua Star CA filter cartridges feature a high performance, single-layer pleated cellulose acetate membrane. Specially developed for filtration of carbonated mineral water and non-carbonated drinks. Aqua Star CA filter cartridges guarantee the highest biological product safety in combination with an enhanced total throughput performance. Aqua Star CA filter cartridges are the ideal choice for filtration in the food and beverage industry.

Application

Aqua Star CA membrane filter cartridges are used for final filtration prior to bottling for products, such as the following:

- Carbonated mineral water
- Non-carbonated water
- Near-water beverages

Product Performance

Aqua Star CA filter cartridges incorporate a specially designed cellulose acetate membrane. This new cellulose acetate membrane has been developed to meet the demanding process requirements in terms of pressure pulsation and sterilization cycles in the food and beverage industry. In combination with an optimally designed prefilter, Aqua Star CA filter cartridges achieve maximum total throughput, and minimize filtration costs.

Integrity-Testable

The integrity of Aqua Star CA membrane filters cartridges can be easily checked by performing an integrity test before and after filtration to guarantee the highest biological safety.

Quality

Aqua Star CA membrane filters are designed and manufactured according to an ISO 9001 certified quality management system. All materials used in the construction of Aqua Star CA meet FDA requirements for the use in food and beverage applications.

Technical Specifications

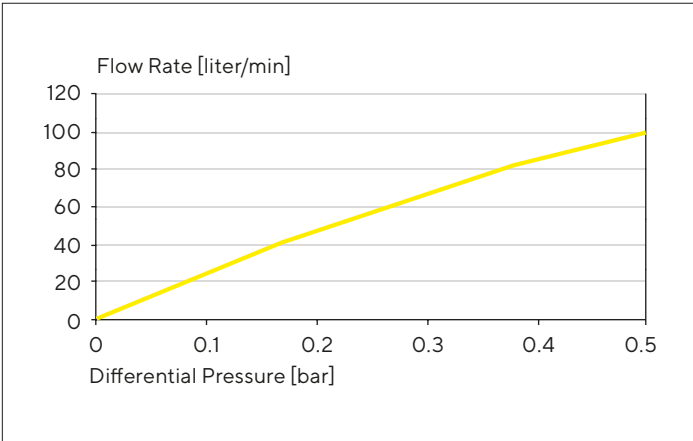
Filter medium	Single-layer cellulose acetate membrane
Protective non-woven drainage layers	Polypropylene
Core outer support end caps adapter	Polypropylene
O-rings	Silicone
Filtration area	2.1 m²
Pore size	0.2 µm
Heights	30" (750 mm)
Maximum differential pressure	5 bar 73 psi at 20 °C 2 bar 29 psi at 80 °C
Maximum back pressure	2 bar 29 psi at 20 °C
Recommended flow rate	Approx. 3.000 liter/per hour/ per 30"

Technical Specifications

Sterilization	
Hot water	85 - 95 °C, 30 minutes ΔP max. 0.5 bar
Steam	110 °C, 30 minutes ΔP max. 0.5 bar for 100 cycles
Integrity Test Data	
Pore size	0.2 µm
Test pressure	2.3 bar
Max. diffusion	39 mL
Test time	10 minutes

Flow Rate for Water

Aqua Star CA (height 30")



Ordering Information

Cartridges

521	25	07	A	3	
					Aqua Star CA
					Adapter
				25	S-adapter on top, 2-flange bayonet adapter with double O-ring on bottom
				28	S-adpter on top, 3-flange bayonet adapter with double O-ring on bottom
					Retention Rate
				07	0.20 µm
					Height
				3	30"

Germany

Sartorius Stedim Biotech GmbH
August-Spindler-Strasse 11
37079 Goettingen
Phone +49 551 308 0

USA

Sartorius Stedim North America Inc.
565 Johnson Avenue
Bohemia, NY 11716
Toll-Free +1 800 368 7178



For further contacts, visit
[sartorius.com](https://www.sartorius.com)