



Sartoclear® Depth Filter Modules for Food & Beverages

Filter Sheets for Clarification and Microbe-retentive filtration



Depth Filter media	Cellulosic depth filter media with inorganic filter aids
O-Rings	Silicone
Core	Polypropylene and Stainless steel
Filtration area	12" : 1,9 m ² 16" : 3,7 m ²

Operating parameters

Max. allowable differential pressure	2,0 Bar 36 psi
Max. allowable back pressure	0,03 Bar 0,4 psi

Sanitization

Steam sterilization	121 °C at 1 bar for 60 min.
Hot water flush	80 °C at 1 bar for 30 min.

Description

Sartoclear® filter Modules are used for clarification and microbe-retentive filtration in the food and beverage industry. The use of modules in closed filtration housings eliminates factors like dripping and contaminations from external sources. The sheets are manufactured from high grade, natural raw materials such as cellulose and diatomaceous earth and are available in various sizes.

Total Throughput

The structure of the cellulose forms a three-dimensional matrix. The Sartoclear® F&B filter modules have a large void volume of up to 85 %. These features ensure outstanding total throughput and thereby cost-effective filtration. Additionally filters can be regenerated easily and multiple steam sterilization cycles can be performed.

Protection

The positive Zeta potential of the Sartoclear® F&B filter sheets strengthens the mechanical retention capacity and clarifying effect, allowing additional adsorption of minute negatively charged particles and colloids. This ensures that downstream filters are effectively protected and also lowers overall costs of consumables.

Housings

Sartoclear® filter housings are especially designed for the use of Sartoclear® modules in the food and beverages industries. The 12" and 16" diameter housings come with a self draining base plate design and a replaceable adapter for the use of O-ring and flat gasket adapters. A detailed datasheet for Sartoclear® filter housings is available.

Applications

The Sartoclear® F&B filter sheets are especially developed for Wine, Water, Beer, Fruit juices and Spirits applications.

Flexibility

Filter sheet systems can be optimally adapted to the flow rates required for each application by raising or lowering the number of sheets installed.

Quality

Sartoclear® F&B are manufactured according to a DIN EN ISO 9001:2000 certified quality management system. All Sartoclear® F&B products are according to the Quality standards for food production set by the German LFGB and US FDA.

Ordering Information

Grade	Nominal retention (μm)	Thickness (mm)	Ash content (%)	Water flow (L/m ² /min)	Diameter (mm)	Article number
12" Module with 16 Cells, 1 piece per package						
S7	0,2	3,9	50	40	297	291S7-1216--F
S5	0,3	3,8	50	52	297	291S5-1216--F
S3	0,5	3,8	49	84	297	291S3-1216--F
F7	0,8	3,8	50	155	297	291F7-1216--F
F4	1,5	3,8	50	240	297	291F4-1216--F
C8	2,5	3,8	50	425	297	291C8-1216--F
C3	4,0	3,8	42	1900	297	291C3-1216--F
16" Module with 16 Cells, 1 piece per package						
S7	0,2	3,9	50	40	402	291S7-1616--F
S5	0,3	3,8	50	52	402	291S5-1616--F
S3	0,5	3,8	49	84	402	291S3-1616--F
F7	0,8	3,8	50	155	402	291F7-1616--F
F4	1,5	3,8	50	240	402	291F4-1616--F
C8	2,5	3,8	50	425	402	291C8-1616--F
C3	4,0	3,8	42	1900	402	291C3-1616--F

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