



## Jumbo Star Sartopure<sup>®</sup>

High Capacity Particle & Bioburden  
Reduction Filter Cartridges

### Benefits

- Extend the life time of the final membrane filter before filling
- Reduce filter consumption
- Highest filtration area on smallest footprint



### Product Information

With the new Jumbo Star Sartopure<sup>®</sup> 0.45µm Sartorius introduces the finest available fleece material on the market to the food and beverage industry. The new fleece material shows an unmatched total throughput, particle retention, protective abilities of the final membrane filtration before filling at an extreme flow rate. The all polypropylene construction makes it resistant to all common cleaning chemicals and numerous sterilization cycles.

Jumbo Star Sartopure<sup>®</sup> cartridges combine the highest filtration area on the smallest footprint on the market. This allows for a significant reduction of filtration area, filter consumption and overall costs for filtration. Sartopure<sup>®</sup> Jumbo Star filter cartridges are available in the widest range of retention rates and their modular design allow the adaptation to all production requirements.

#### Applications

- Prefiltration upstream of the final membrane filtration before filling
- Trapfiltration downstream of the diatomaceous earth | PVPP filter
- Clarification step in winery and distillery

#### Flexibility

The modular concept allows the ideal adaptation to production requirements from 7 m<sup>2</sup> to 28 m<sup>2</sup> of filtration area.

#### Documentation

Jumbo Star Sartopure<sup>®</sup> filter cartridges are designed, developed and manufactured in accordance with a ISO 9001 Quality Management System. All materials used for the construction meet FDA requirements for use in food and beverage applications.

# Technical Data

## Specifications

Materials	
Filter Material	Multiple Polypropylene layers
Support Fleece	Polypropylene
Core	Polypropylene
End Caps	Polypropylene
O-Rings	Silicone

Retention Rates
0.45 µm, 0.65 µm, 1.2 µm, 3 µm, 5 µm, 8 µm, 20 µm

Operating Parameters	
Max. Allowable Differential Pressure	4 bar   58 psi at 20°C 1 bar   15 psi at 80°C 0.5 bar   7.5 psi at 120°C
Max. Allowable Back Pressure	1.5 bar   22 psi at 20°C

Sterilisation		
Hot Water	85-95°C	30 min
In Line Steaming	110°C	30 min

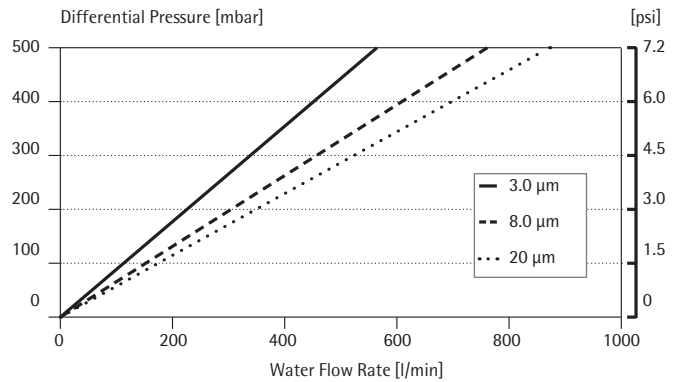
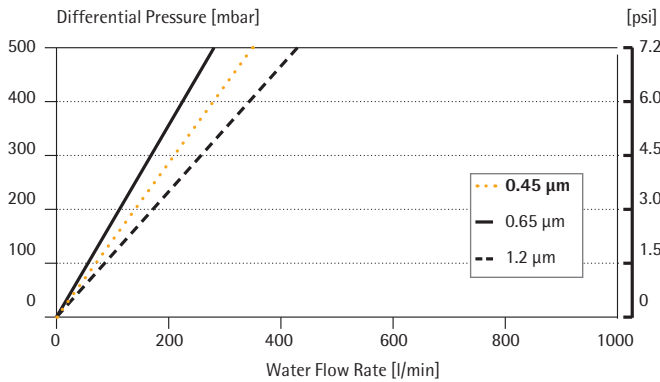
## Available Sizes | Filtration Area

Size 1	10"	7 m <sup>2</sup>
Size 2	20"	14 m <sup>2</sup>
Size 3	30"	21 m <sup>2</sup>
Size 4	40"	28 m <sup>2</sup>

## Available Adapter

40

## Water Flow Rates for 10" Cartridges



## Ordering Information

Order Code	Retention Rate [ $\mu\text{m}$ ]
5504006JX	0.45 $\mu\text{m}$
5594005JX	0.65 $\mu\text{m}$
5594003JX	1.20 $\mu\text{m}$
5594002JX	3.0 $\mu\text{m}$
5594042JX	5.0 $\mu\text{m}$
5594001JX	8.0 $\mu\text{m}$
5594020JX	20.0 $\mu\text{m}$

X = 1    Size 10"  
X = 2    Size 20"  
X = 3    Size 30"  
X = 4    Size 40"

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