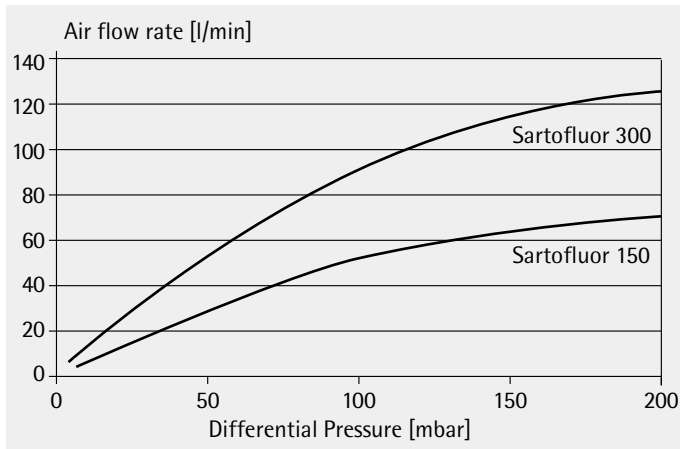




## Sartofluor<sup>®</sup> 150 and Sartofluor<sup>®</sup> 300



Sartofluor 150 and Sartofluor 300 are disposables, sterile and ready-to-use membrane filter capsules. Both are designed for use in small scale production and fermentation of high valuable pharmaceutical and biotechnology products. Featuring the same materials and type of construction as any other Sartofluor filter element. Sartofluor 150 and Sartofluor 300 are ideally suited for R&D Labs in pharmaceutical and biotechnology development.

### Applications

Typical application for Sartofluor 150 and Sartofluor 300 capsules are particle removal and sterilizing grade filtration of air and gases for small scale fermentation as well as particle removal and sterilizing grade filtration of biologicals, media and buffers replacing conventional stacked disk filter capsules and flat filter systems.

### Flow Rate

The unique pleated filter construction offers excellent flow rates in comparison to conventional filter systems.

### Easy-to-use

Sartofluor 150 capsules are available with hose barb or 1/2 inch Sanitary connectors for simple installation to your filter system. Sartofluor 300 capsules are available with hose barb only.

### Economical

By using Sartofluor 150 and Sartofluor 300 capsules investments into expensive filter holder for flat filter disk are no longer necessary.

### Microbiological Retention

Sartofluor 150 and Sartofluor 300 capsules 0.2 µm rated are fully validated according to the ASTM F838-83 standards as sterilizing grade filters.

### Documentation

Sartofluor 150 and Sartofluor 300 capsules are designed, developed and produced under a DIN/ISO 9001 certified Quality-Management-System. Each unit is tested for integrity during the production in order to achieve the highest quality and security. A comprehensive validation guide is available.

## Technical Data

### Construction

single-layer PTFE membrane

### Pore size

0.2 µm

### Filtration area

Sartofluor 150 0,015 m<sup>2</sup> | 0,15 ft<sup>2</sup>  
Sartofluor 300 0,03 m<sup>2</sup> | 0,3 ft<sup>2</sup>

### Connector types

Sartofluor 150 ½ inch Sanitary  
Flange hose barb  
Sartofluor 300 hose barb

### Max. allowed Differential pressure

4 bar | 60 psi at 21°C  
1.5 bar | 22 psi at 121°C

### Max. allowable Back pressure

2 bar | 29 psi at 21°C

### Sterilization

Autoclaving 121°C, 2 bar | 29 psi,  
30 min  
Note: Capsules cannot  
be inline steam sterilized  
Autoclaving cycles max. 3

## Materials

Protective non woven layer	Polypropylene
Membrane	PTFE single layer
Drainage layer	Polypropylene
Core	Polypropylene
Outer Support	Polypropylene
End caps	Polypropylene

### Compatibility

Sartofluor 150 and Sartofluor 300 capsules meet, or exceed, the requirements for WFI quality standards set by the current USP. This includes testing for toxicity by the USP Plastic Class VI test and extractables.

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## Integrity test data for Sartofluor 150 and Sartofluor 300

Order Code	Pack Size	Pore Size	Min B.P [bar]   [psi]
Sartofluor 150 5181307T4–OO–B	5	0.2	1.0   14.5
Sartofluor 150 5181307T4–SO–B	5	0.2	1.0   14.5
Sartofluor 150 5181307T4–SS–B	5	0.2	1.0   14.5
Sartofluor 300 5181307T5–OO–D	10	0.2	1.0   14.5