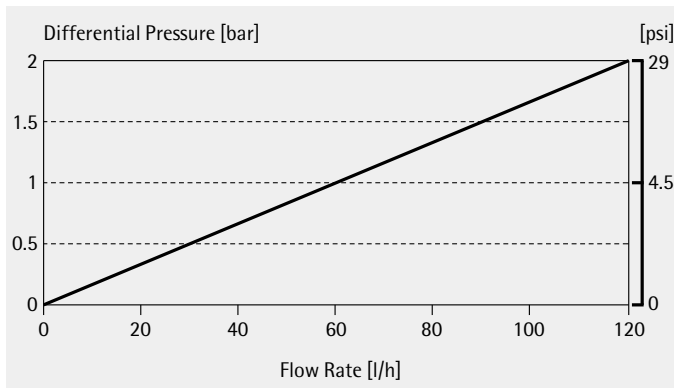




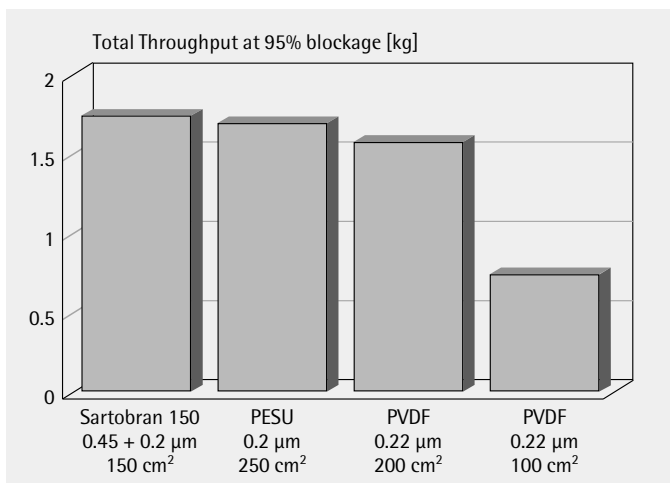
## Sartobran 150

Water Flow Rate



Standardized of 20°C

Total Throughput Comparison



At 0.5 bar (7.25 psi) differential pressure

### Product Profile.

Sartobran 150 is a disposable, sterile, ready-to-use membrane filter capsule. It is designed for use in small scale production of high valuable pharmaceutical and biotech products. Featuring the same materials and type of construction as any other Sartobran P filterelement, Sartobran 150 is ideally suited for R&D Labs in pharmaceutical development.

### Applications.

Typical applications for Sartobran 150 capsules are particle removal and sterilizing grade filtration of biologicals, parenterals, media and buffers replacing conventional stacked disc filter capsules and flat filter disc systems.

### Flow Rate | Total Throughput Performance.

The unique pleated filter construction offers excellent flow rates and superior total throughput performance in comparison to conventional filter systems.

### High Product Yield.

Due to the extremely low residual volume in the capsule housing after filtration product loss is minimized. The low unspecific adsorption of the celluloseacetate membrane of Sartobran 150 guarantees high product yields.

### Easy-to-use.

Sartobran 150 capsules are available with hose barb or 1/2 inch Tri-Clamp connectors for simple installation to your filtration system. The Tri-Clamp connection assures secure and reliable integrity-testing.

### Automatic venting.

The new vent design allows easy access to the venting valve. A hydrophobic PTFE-membrane positioned on the highest point upstream allows an easy venting of the capsule and prevents product loss during the venting process.

### Economical.

By using Sartobran 150 capsules investments into expensive filterholders for flat filter discs are no longer necessary.

### Microbiological Retention.

Sartobran 150 capsules 0.2 µm rated are fully validated according to HIMA and ASTM F-838-83 standards as sterilizing grade filters.

### Documentation.

Sartobran 150 capsules are designed, developed and produced under a DIN/ISO 9001 certified Quality-Management-System. Each unit is tested for integrity during production for highest product quality and security. A Validation Guide is available.

## Technical Data

Construction	Reinforced double layer cellulose acetate membrane
Pore size combination	0.45 µm + 0.2 µm
Filtration area	150 cm <sup>2</sup>   0.15 ft <sup>2</sup>
Connector types	½ inch Tri-Clamp 6–12 mm stepped hose barb
Max. allowable differential pressure	4 bar (60 psi) at 20°C 2 bar (30 psi) at 80°C
Max. allowable back pressure	2 bar (30 psi) at 20°C
Sterilization	Autoclaving (134°C, 1 bar (14.5 psi), 30 min) Note: Capsules cannot be inline steam sterilized
Autoclaving cycles	max. 3

### Materials.

Membrane	reinforced Cellulose Acetate
Prefilter membrane	reinforced Cellulose Acetate
Support fleece	Polypropylene
Inner Core	Polypropylene
Endcaps	Polypropylene
Capsule-Housing	Polypropylene
Filling Bell	Polycarbonate

### Compatibility.

Sartobran 150 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.

pH-range: pH 4 to pH 8

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## Integrity test data for Sartobran 150 Capsules

Order Code	Pack Size	Pore Size [µm]	Min. B.P. [bar]   [psi]	Test Pressure [bar]   [psi]	Max. Diffusion [ml/min]
5231307H4--00--B	5	0.2	3.2   46	2.5   36	1
5231307H4--SO--B	5	0.2	3.2   46	2.5   36	1
5231307H4--SS--B	5	0.2	3.2   46	2.5   36	1