



sartorius

Sartopore 2 150



CAD rendering of Sartopore 2 150, with cut-away of filling bell.

Pharmaceutical Grade Membrane Filter Capsule

Product Profile

Sartopore 2 150 is a disposable, sterile, ready-to-use membrane filter capsule for highest convenience. Sartopore 2 150 capsules are made of a unique hydrophilic Polyethersulfone membrane providing outstanding total throughput/flow rate performance, low extractables and broadest chemical compatibility.

Applications

Typical applications for Sartopore 2 150 capsules are particle removal and sterilizing grade filtration of therapeutics, injectables, biologicals, purified water and buffers.

Flow Rate/Total Throughput Performance

The unique pleated filter construction combined with the highly asymmetric pore structure of the membrane offers excellent flow rates and superior total throughput performance, especially in comparison to conventional stacked disc filter systems.

Compatibility

The Polyethersulfone membrane of the Sartopore 2 150 capsules provides broadest chemical compatibility from pH 1 to pH 14 at low extractable levels.

Easy-to-use

Sartopore 2 150 capsule with hose barb, 1/4" NPT-thread connects directly to the outlet of your arium laboratory water system.

Automatic venting

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 Sartopore 2 150 capsules investments into expensive filter holders for flat filter discs are no longer necessary.

Microbiological Retention

Sartopore 2 150 capsules 0.2 µm rated are fully validated according to HIMA and ASTM F-838-83 guidelines as sterilizing grade filters.

Quality

Each individual unit is tested for integrity during production by diffusion testing assuring highest product quality and absolute reliability.

Documentation

Sartopore 2 150 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.

Construction

Hydrophilic, heterogeneous double layer
Polyethersulfone Membrane

Pore Size Combination

0.45 µm + 0.2 µm

Filtration Area

0.015 m²/0.15 ft²

Connectors Inlet

1/4 inch NPT thread

Connectors Outlet

6 mm stepped hose barb

Max. allowable differential pressure

4 bar (58 psi) at 20°C
2 bar (29 psi) at 80°C

Max. allowable back pressure

2 bar (29 psi) at 20°C

Sterilization

Autoclaving 134°C (273°F), 1 bar (14.5 psi),
30 min
Note: Capsules cannot be inline steam
sterilized

Autoclaving cycles

Max. 3

Materials

- Final-Membrane
Asymmetric, Polyethersulfone
- Prefilter-Membrane
Asymmetric, Polyethersulfone
- Support fleece
Polypropylene
- Inner Core
Polypropylene
- End caps
Polypropylene
- Capsule-Housing
Polypropylene
- Filling Bell
Polycarbonate

Compatibility

Sartopore 2 150 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

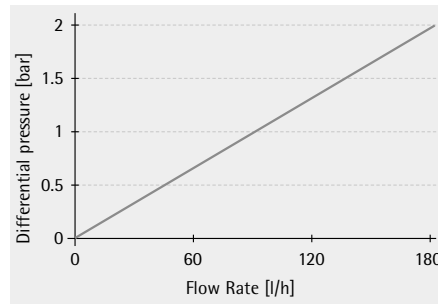
pH 1 to pH 14

**Integrity test data for
Sartopore 2 150 Capsules**

Order code	5441307H4--NO--B
Pack Size	5
Pore size [µm]	0,2
Test Pressure [bar] [psi]	2,5 36
Max. Diffusion [ml/min]	1
Min. B.P. [bar] [psi]	3,2 46

Water Flow Rate

Standardized at 20 °C

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