



Sartopore® 2 Filter Elements for Best Flow Rates and Standing Times Over the Whole pH-range

The new Sartopore 2 filter elements ideally supplement the Sartobran P filters described on page 52. Whereas Sartobran P filters are mainly used for prefiltration and sterile filtration of protein-containing solutions in the pH-range of 4–8, the broad chemical compatibility of the polyethersulfone membranes from pH 1 to pH 14 of the Sartopore 2 filter elements allows also the filtration of aggressive liquids of high or low pH.

Sartopore 2 filter elements are available with 3 different pore sizes. For the prefiltration of difficult to filter solutions, Sartopore 2 filter elements with 0.45 µm final membranes are used, whereas filter elements with 0.2 µm final membrane is used for the sterile filtration of media. Sartopore 2 filter elements with 0.1 µm final membrane are perfectly suitable for combined sterile filtration and retention of mycoplasma in sera and serum-containing culture media.

The asymmetric structure of the membrane and the double-layer construction with build-in prefilter allow exceptionally high standing times and flow rates. The filter elements are therefore used especially for the filtration of difficult to filter, highly viscous solutions or when short filtration times are required.

The graph shows the comparison of the total filtration volume of Sartopore 2 polyethersulfone membranes, PVDF, nylon-66 membranes as well as two different PES membranes, also in the 10"-cartridge format, each in kg filtrate at 90% blocking.

Specifications for Sartopore 2 capsules

Biosafety	All materials pass the USP Plastics Test Class VI
Chemical compatibility	To aqueous solutions in the pH-range 1–14
Connectors	See order numbers
Cytotoxicity	All materials are detectably non-toxic concerning L929-cells and MRC-5-cells.
Filter area	0.015 m ² , 0.03 m ² , 0.05 m ² , 0.1 m ² , 0.2 m ² or 0.45 m ²
Integrity test data	All Sartopore 2 Capsules are integrity testable. You find detailed information about minimal bubble points and maximal air diffusion values in the instructions for use, enclosed to every pack.
Materials	Asymmetric, double-layered polyethersulfone membrane filter, polypropylene housing parts and support framing drainage devices
Max. differential pressure	Δp = 4 bar at 20°C, 2 bar at 80°C



Type 00, with hose nipple inlet and outlet



Type SS, with sanitary flange inlet and outlet



Mini cartridges

Order numbers for Sartopore 2 capsules***Sartopore 2 capsules with 0.45 µm final filter**

5441306G5-00-B	0.03 m ² filter area
5441306G7-**-B	0.05 m ² filter area
5441306G8-**-B	0.1 m ² filter area
5441306G9-**-A	0.2 m ² filter area
5441306G0-**-	0.45 m ² filter area

Sartopore 2 capsules with 0.2 µm final filter

5441307H4-**-B	0.015 m ² filter area
5441307H5-00-B	0.03 m ² filter area
5441307H7-**-B	0.05 m ² filter area
5441307H8-**-B	0.1 m ² filter area
5441307H9-**-A	0.2 m ² filter area
5441307H0-**-	0.45 m ² filter area

Sartopore 2 capsules with 0.1 µm final filter

5441358K4-**-B	0.015 m ² filter area
5441358K5-00-B	0.03 m ² filter area
5441358K7-**-B	0.05 m ² filter area
5441358K8-**-B	0.1 m ² filter area
5441358K9-**-A	0.2 m ² filter area
5441358K0-**-	0.45 m ² filter area

* Also available as mini cartridges with the same pore sizes and areas.

Order numbers for packs of 5

Pore size	0.05 m ² filter area	0.1 m ² filter area	0.2 m ² filter area
0.1 µm	5441558K7B	5441558K8B	5441558K9B
0.2 µm	5441507H7B	5441507H8B	5441507H9B
0.45 µm	5441506G7B	5441506G8B	5441506G9B

** Available with -SS, -SO, -00 connector