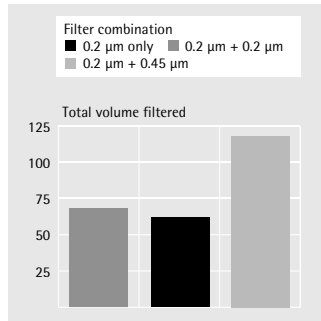


Sartobran® P Filter Elements for the Filtration of Protein Containing Solutions



Sartobran P capsules are designed for maximum convenience and performance. They are complete filter units, ready to connect and to use needing no preceding cleaning. Although intended for single use, they can be autoclaved several times and are therefore reusable if the application allows. The membranes are reinforced to increase their mechanical strength, for guaranteeing greatest reliability during filtration and sterilization. Just as in the smaller Sartobran-300 capsules, the pleating of the membranes allows large filter areas to be sealed in small, handy units.

The polypropylene housing contains two membrane filters. The first, coarser membrane acts as prefilter, relieving the next finer membrane, which guarantees a reliable retain according to pore size. This fractionated retention of particles and microorganisms has a very favourable effect on the total throughput, as shown below. A solution of relatively high colloid content was filtered.

Specifications for Sartobran P filter units

Biosafety	All materials pass the USP Plastics-Class VI-Tests.
Chemical compatibility	With aqueous solutions of pH 4–8 and with most alcohols and hydrocarbons (see page 110).
Filtration area	0.05 m ² , 0.1 m ² , 0.2 m ² or 0.45 m ²
Integrity test data	All Sartobran P Capsules are integrity tested. Details on minimal bubble points and maximal diffusional values are given in the "directions for use" supplied with them.
Materials	Double layer cellulose acetate membrane, fleece-reinforced. Polypropylene housing and support.
Max. differential pressure	4 bar (58 psi) at 20°C, 2 bar (29 psi) at 80°C
Sterilization	By autoclaving at 121°C, 30 min.
Cytotoxicity	All materials are non-toxic, as determined with L-929-cells and with MRC-5-cells.



Type OO, with hose nipple inlet and outlet

Order numbers for Sartobran P filter units**With 0.2 µm final filter and 0.45 µm prefilter**

Type OO, with hose nipple inlet and outlet

5231307H7-OO-B	0.05 m ² filter area, pack of 5
5231307H8-OO-B	0.1 m ² filter area, pack of 5
5231307H9-OO-A	0.2 m ² filter area, pack of 4

Type SS, with sanitary flange inlet and outlet

5231307H7-SS-B	0.05 m ² filter area, pack of 5
5231307H8-SS-B	0.1 m ² filter area, pack of 5
5231307H9-SS-A	0.2 m ² filter area, pack of 4

Type SO, with sanitary flange inlet and hose nipple outlet

5231307H7-SO-B	0.05 m ² filter area, pack of 5
5231307H8-SO-B	0.1 m ² filter area, pack of 5
5231307H9-SO-A	0.2 m ² filter area, pack of 4

Type RO, with G3/8 male thread inlet | hose nipple outlet

5231307H8-RO-B	0.1 m ² filter area, pack of 5
5231307H9-RO-A	0.2 m ² filter area, pack of 4



Type SS, with sanitary flange inlet and outlet

With 0.45 µm final filter and 0.65 µm prefilter

Type OO, with hose nipple inlet and outlet

5231306D7-OO-B	0.05 m ² filter area, pack of 5
5231306D8-OO-B	0.1 m ² filter area, pack of 5
5231306D9-OO-A	0.2 m ² filter area, pack of 4

Type SS, with sanitary flange inlet and outlet

5231306D7-SS-B	0.05 m ² filter area, pack of 5
5231306D8-SS-B	0.1 m ² filter area, pack of 5
5231306D9-SS-A	0.2 m ² filter area, pack of 4

Type SO, with sanitary flange and hose nipple outlet

5231306D7-SO-B	0.05 m ² filter area, pack of 5
5231306D8-SO-B	0.1 m ² filter area, pack of 5
5231306D9-SO-A	0.2 m ² filter area, pack of 4



Type SO, with sanitary flange inlet and hose nipple outlet



Type RO, with G3/8 male thread inlet and hose nipple outlet

* 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
0.2 µm	5231507H7B	5231507H8B	5231507H9B

Special brochure available on request. Order no. S--0024-e