

Sartofluor® Capsules with PTFE Membrane for Maximum Security in Sterile Venting

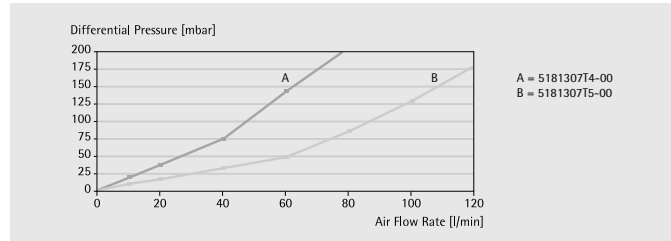


Sartofluor Capsules are ready-to-connect, pre-tested, complete filter units. The PTFE membrane is pleated to obtain the largest possible usable filtration area in the small polypropylene housing. The two valves on the upstream side of the housing ensure good steam passage and corresponding certainty of sterilization of the capsules by autoclaving.

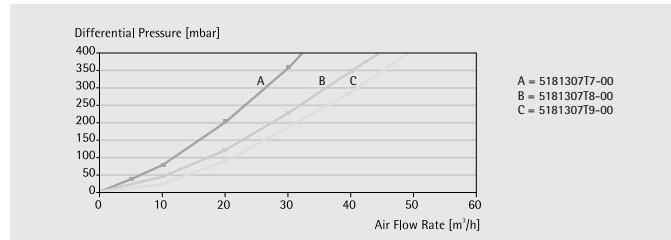
The extreme hydrophobicity of the PTFE membrane ensures maximum filtration security, even when filtering moist air. The high air flow rate of the membranes and the large filter area enable effective sterile filtration even at low differential pressures.

The excellent chemical compatibility of the PTFE and polypropylene materials makes Sartofluor capsules additionally useful for the filtration of those acids, bases and non-aqueous solvents for which other capsule types cannot be used.

Capsules with other connector combinations may be available according to requirements. Details on request.



Air flow rates at atmospheric pressure Sartofluor® capsules 0.2 µm, type 5181307T4, T5 (00-connectors)



Air flow rates at atmospheric pressure Sartofluor® capsules 0.2 µm, type 5181307T7, T8, T9 (00-connectors)



Specifications for Sartofluor capsules

Connectors	Hose nipple 10 mm or 1"–1½" Sanitary flange
Biosafety	All materials pass the USP Plastics Test Class VI.
Bubble point	Min. value with 60% Isopropanol: 1.5 bar (150 kPa, 21.75 psi) for 0.1 µm pore size 1.0 bar (100 kPa, 14.5 psi) for 0.2 µm pore size 0.6 bar (60 kPa, 8.7 psi) for 0.45 µm pore size
Chemical compatibility	See page 110
Air flow rate	For 0.2 µm capsules see diagram on page 81
Filter area	0.015 m ² , 0.03 m ² , 0.05 m ² , 0.1 m ² or 0.2 m ²
Material	PTFE membrane filter. Housing, polypropylene supporting and drainage layers.
Max. differential pressure	4 bar (58 psi) at 20°C, 2 bar at 80°C
Max. operating pressure	4 bar (58 psi) at 20°C
Sterilization	By autoclaving (121°C or 134°C)
Water penetration pressure	Approx. 4.5 bar (450 kPa, 65.3 psi) for 0.2 µm pore size

Order numbers for Sartofluor capsules

Sartofluor capsules with hose nipple inlet and outlet

5181358T7-00-B	0.1 µm, 0.05 m ² , pack of 5
5181358T8-00-B	0.1 µm, 0.1 m ² , pack of 5
5181358T9-00-A	0.1 µm, 0.2 m ² , pack of 4
5181307T4-00-B	0.2 µm, 0.015 m ² , pack of 5
5181307T5-00-D	0.2 µm, 0.03 m ² , pack of 10
5181307T7-00-B	0.2 µm, 0.05 m ² , pack of 5
5181307T8-00-B	0.2 µm, 0.1 m ² , pack of 5
5181307T9-00-A	0.2 µm, 0.2 m ² , pack of 4
5181306T9-00-A	0.45 µm, 0.2 m ² , pack of 4

Sartofluor capsules with sanitary flange inlet and outlet

5181307T4-SS-B	0.2 µm, 0.015 m ² , pack of 5
5181307T7-SS-B	0.2 µm, 0.05 m ² , pack of 5
5181307T8-SS-B	0.2 µm, 0.1 m ² , pack of 5
5181307T9-SS-A	0.2 µm, 0.2 m ² , pack of 4