

SUPAPORE TT CAPSULES



Pleated Membrane Capsules

Supapore TT microfiltration capsules have been designed specifically for use in a wide range of aggressive gas and liquid processing applications.

Its naturally hydrophobic PTFE membrane and all fluoropolymer casing makes this capsule an ideal choice for systems requiring excellent compatibility, reliability and a consistently high quality filtrate.

Supapore TT capsule filters are ready-to-use, no housings to purchase or maintain, easy to change-out with minimum downtime and reduced loss of process fluid.

Product Features

- 100% Fluoropolymer construction
- Naturally hydrophobic PTFE membrane
- Capsules available in a range of lengths and inlet/outlet configurations
- Minimal fibre migration
- Wide chemical compatibility
- All capsules are thermally bonded and adhesive free
- Each unit is pre-flushed with ultra-pure water
- User integrity testable by bubble point
- All capsules are integrity tested and pressure tested during manufacture
- In-line design

Available in a wide range of absolute rated pore sizes:

- 0.1µm
- 0.2µm
- 0.45µm
- 1.0µm



Features and Benefits

- Excellent chemical resistance offering wide process capability and compatibility
- Integral filter and housing minimizes operator exposure and maximizes uptime by allowing faster change-outs
- Capsules integrity tested during manufacturing to help ensure trouble free use
- Different connection and vent options can be supplied

Industries and Applications

Food and Beverage
Pharmaceutical
Fine Chemicals
Electronics

- Ozonated water
- Ozonated water, solvent filtration, high temperature air/gas
- Ozonated water, solvent filtration, high temperature air/gas, acids
- Ozonated and high temperature UPW, photolithography chemicals

AMAZON

SupaPore TT Capsules Technical Data

Dimensions

Filter Module Length	Nominal Capsules Length	Typical Surface Area
100mm (4")	230mm	0.45m ²
250mm (10")	445mm	0.9m ²
500mm (20")	660mm	1.82m ²
750mm (30")	927mm	2.76m ²

Maximum Operating Conditions

Recommended Maximum Differential Pressure:

Forward Flow:	5.5 bar @ 24°C
	3.8 bar @ 75°C
	2.0 bar @ 125°C
	1.0 bar @ 150°C
Reverse Flow	3.4 bar @ 24°C
	1.0 bar @ 121°C

Recommended change-out differential pressure: 2.5 Bar

Materials of Construction

100% Fluoropolymer

Metals Extractables

<20ppb (total) in a 10% HNO₃ extraction of 1.5 litres for 24 hours at ambient temperature

Cleanliness (Particle Shedding)

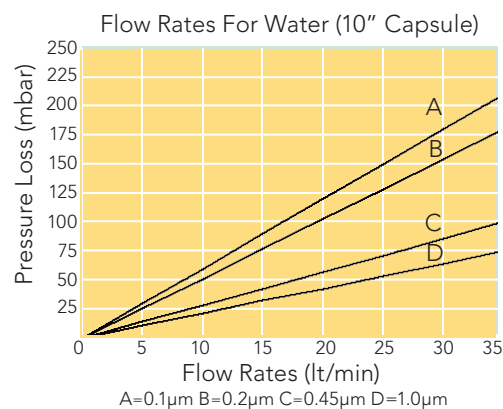
Wet-Packed < 2 particles/ml >0.2µm after 26.5 litres at 3.8 Lpm

TOC/Resistivity rinse up (Wet Packed)

TOC recovery within 3-5ppb of feed after 45.5l @3.8lpm

Resistivity recovery within 0.4megohm-cm of feed after 83.5l @3.8lpm

Product validation guide available on request. All SupaPore TT capsules are manufactured under strict control with batch number identification, giving full traceability on all components.



Integrity Test Specification

Micron Rating	Bubble Point In 60/40 IPA/Water @ 25°C
0.10µm	1.5 bar
0.20µm	0.9 bar
0.45µm	0.5 bar
1.0µm	0.2 bar

AMAZON FILTERS LTD.

ALBANY PARK ESTATE, FRIMLEY ROAD
CAMBERLEY, SURREY, GU16 7PG
ENGLAND

Tel. +44 (0) 1276 670600
Fax. +44 (0) 1276 670101
Email. sales@amazonfilters.co.uk
Web. www.amazonfilters.com