

# SUPAPORE TT CAPSULES

AMAZON

## 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.

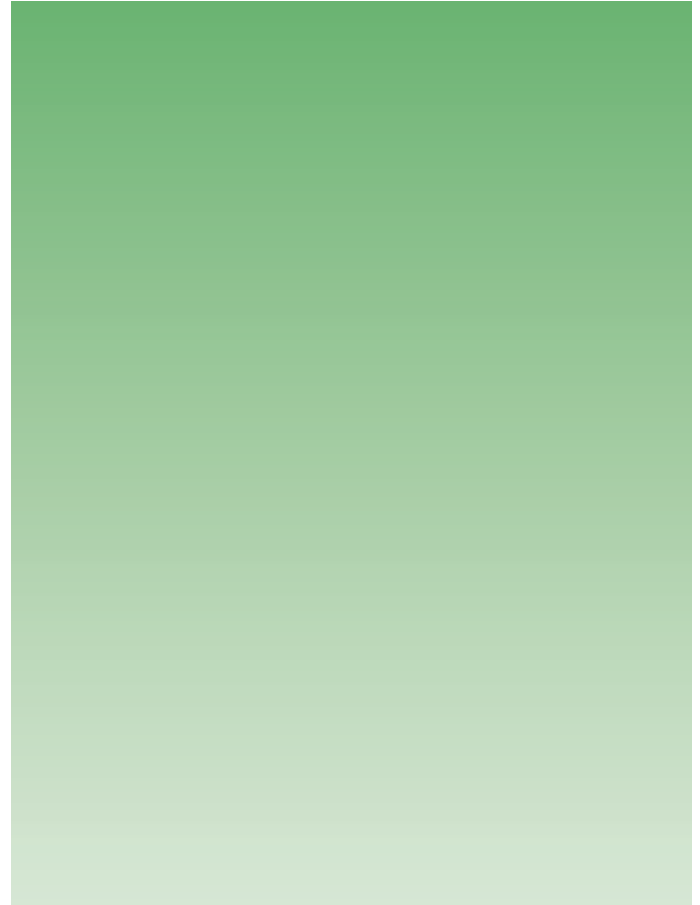
**SUPAPORE TT capsule** filters are ready-to-use, no housings to purchase or maintain, easy to change-out with minimum downtime and reduced loss of process fluid.

### 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



## SUPAPORE TT CAPSULES 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

SUPAPORE TT CAPSULES

## TECHNICAL DATA

### Dimensions

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

### 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 |

### Materials of Construction

100% Fluoropolymer

### Metals Extractables

<20ppb (total) in a 10% HNO<sub>3</sub> extraction of 1.5 litres for 24 hours at ambient temperature

### Cleanliness (Particle Shedding)

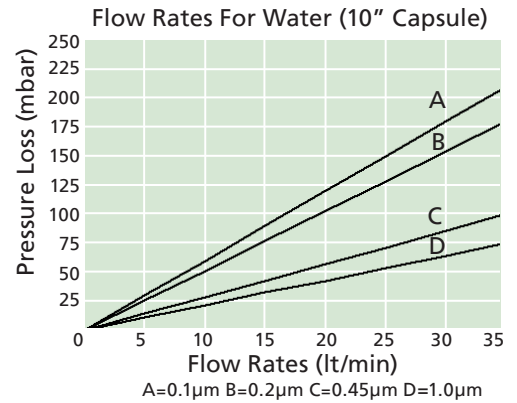
Wet-Packed <2 particles/ml >0.2µm after 26.5 litres at 3.8 Lpm

### 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                                |
| 1.00µm        | 0.2 bar                                |

## 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

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