

# SUPAPORE TT

AMAZON

## PLEATED MEMBRANE FILTER CARTRIDGE

**SUPAPORE TT** Microfiltration cartridges have been specifically designed for use in corrosive gases and liquid processing applications. A naturally highly hydrophobic PTFE membrane and fluoropolymer structure makes this the cartridge of choice where high resistance to aggressive fluids is required.

### Product Features

**SUPAPORE TT** cartridges feature:

- A naturally hydrophobic PTFE membrane
- FEP/PFA hardware
- Extremely low flush requirements in high purity applications
- Excellent chemical compatibility
- Low protein binding characteristics
- Materials meet the requirements of 21CFR Part 177 and current USP Plastics Class VI - 121°C and ISO10993 equivalents
- Fully integrity testable by bubble point or diffusion flow test
- Operational temperature up to 150°C

All cartridges are thermally bonded and adhesive free. Each unit is pre flushed with ultra pure water and integrity tested before final assembly.

They are available in a range of absolute pore sizes:

- 0.10µm
- 0.20µm
- 0.45µm
- 1.0µm

Suitable for most sanitisation regimes including steaming, autoclaving, hot water flush and all common sanitising agents.

Amazon Filters manufactures a comprehensive range of filter housings for

**SUPAPORE TT** cartridges including the industrial

**50 and 60 Series** and **the 70 Series** for hygienic applications. Please consult our Sales Office for further details on the full range. Fluoro-polymer lined housings are available for arduous applications that match the chemical resistance of the **SUPAPORE TT** cartridge.



## SUPAPORE TT FEATURES AND BENEFITS

- Full Fluoropolymer construction results in a cartridge that withstands long term exposure to Ozonated water
- Validated\*1 removal ratings for consistent and reliable performance
- Capable of high temperature operation for extended periods
- High chemical resistance to most solvents
- Very high resistance to most oxidising agents
- Resistance to virtually all acids and alkalis
- Full Product guide available

\*1 See product guides for further details stating test method and rated efficiencies

SUPAPORE TT

## TECHNICAL DATA

### Dimensions

Outside Diameter: 70mm  
 Typical Surface Area: 0.63m<sup>2</sup> (Per 10")  
 Length: See ordering guide

### Maximum Operating Conditions

Temperature: 150°C  
 Recommended Maximum Differential Pressure:  
 Forward Flow: 5.5 Bar @ 24°C  
 2.0 Bar @ 125°C  
 1.0 Bar @ 150°C  
 Reverse Flow: 3.4 Bar @ 24°C  
 1.0 Bar @ 121°C

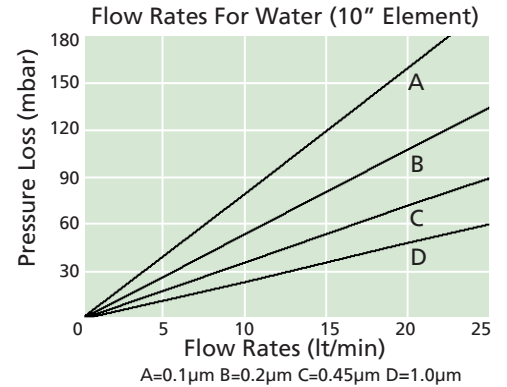
Product validation guide available on request. All SUPAPORE TT cartridges are manufactured under strict control with batch number identification, giving full traceability on all components.

### Materials of Construction

Filter Media: PTFE  
 Media Support: FEP  
 Cage, Core & End Caps: PFA

### Integrity Test Specification

Micron Rating	Bubble Point In 60/40 IPA/Water	Diffusion Flow (cc/min/10") In 60/40 IPA/Water
0.20µm	≥ 900mBar	≤ 8 @ 690mBar
0.45µm	≥ 500mBar	-



## 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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