

SUPAPORE TT



PLEATED MEMBRANE CARTRIDGES



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:

- 0.05µm
- 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 alkalies
- Full Product guide available

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

TECHNICAL DATA

Dimensions

Outside Diameter: 70mm
 Typical Surface Area: 0.63m² (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

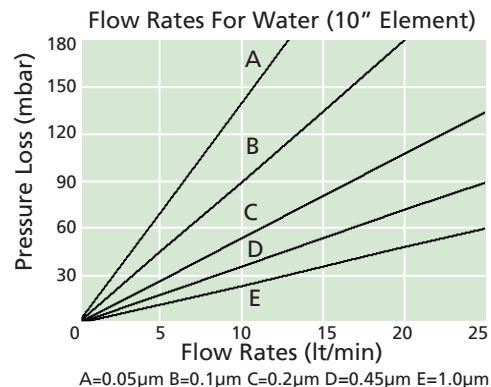
Product validation guide available on request. All **SUPAPORE TT** cartridges are manufactured under strict control with batch number identification, giving full traceability on all components.

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	-



ORDERING GUIDE

16							A	
MEDIA	GRADE	MICRON RATING	LENGTH	CONNECTIONS	SEAL	OPTIONS		
TT - PTFE / FEP	E - Electronics	00B - 0.05µm 001 - 0.10 002 - 0.20 004 - 0.45 010 - 1.0	09 - 250mm 20 - 500 30 - 750 40 - 1000	2 - Code 2 3 - Code 3 7 - Code 7 8 - Code 8	F - FEP/Silicone			

Example: 16TTE002-203FA = PTFE media with FEP core, Electronics Grade, 0.2µm, double length 20" long, Code 3 end fitting with FEP/Silicone seal.

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 FILTERS LTD.

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

Tel: +44 (0) 1276 670 600

Fax: +44 (0) 1276 670 101

Email: sales@amazonfilters.co.uk

Web: www.amazonfilters.co.uk



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