

SUPAPORE TL

All Fluoropolymer Cartridges



SupaPore TL Microfiltration cartridges have been specifically designed for use in corrosive gas and liquid processing applications. A naturally highly hydrophobic PTFE membrane and Halar ECTFE structure makes this the cartridge of choice where high resistance to aggressive fluids is required.

Product Features

- A naturally hydrophobic PTFE membrane
- Halar ECTFE hardware
- Extremely low extractable levels so ideal for high purity applications
- Excellent chemical compatibility
- Materials meet the requirements of 21CFR Part 174-190 and current USP Plastics Class VI - 121°C Testing
- Fully integrity testable by Water Intrusion Test
- Operational temperature up to 95°C



Suitable for sanitisation by all common sanitising agents.

Amazon Filters manufactures a comprehensive range of filter housings for SupaPore TL cartridges including the industrial 50 and 60 Series and the 70 Series for hygienic applications. All PTFE and fluoro-polymer lined housings are available for arduous applications that match the chemical resistance of the SupaPore TL cartridge. Please consult our Sales Office for further details on the full range.

All cartridges are thermally bonded and adhesive free. Each unit is 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

Features and Benefits

- Full Fluoropolymer construction results in a cartridge that withstands long term exposure to many aggressive chemicals and solvents
- Defined removal ratings for consistent and reliable performance
- High chemical resistance to most solvents
- Very high resistance to most oxidising agents
- Integrity testable by the user
- Full Product Validation Guide available

Industries and Applications

Food and Beverage

Pharmaceutical

Fine Chemicals

Electronics

- Ozonated water
- Solvent and chemical filtration, ozonated water
- Solvent and chemical filtration, ozonated water
- Photolithography chemicals, general chemicals, ozonated water

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SupaPore TL Technical Data

Dimensions

Outside Diameter: 70mm
Typical Surface Area: 0.65m² (per 10")
Length: See ordering guide

Maximum Operating Conditions

Temperature: 95°C
Recommended Maximum Differential Pressure:
Forward Flow: 4.1 Bar @ 21°C
Reverse Flow: 2.1 Bar @ 21°C

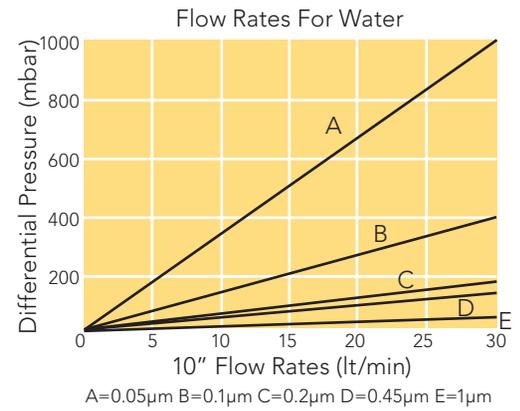
Product Validation Guide available on request. All SupaPore TL cartridges are manufactured under strict control with batch number identification, giving full traceability on all components.

Materials of Construction

Filter Media: PTFE
Cage, Core & End Caps: Halar ECTFE

Integrity Test Specification

Micron Rating	Test Pressure	Max. Water Intrusion Flow (cc/min/10")
0.20µm	2070 mBar	5
0.45µm	1380 mBar	5



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