

# 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 fluoropolymer 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
- All individual packing bags are anti static

## Industries and Applications

- |                          |   |
|--------------------------|---|
| <b>Food and Beverage</b> | • Ozonated water  |
| <b>Pharmaceutical</b>    | • Solvent and chemical filtration, ozonated water               |
| <b>Fine Chemicals</b>    | • Solvent and chemical filtration, ozonated water               |
| <b>Electronics</b>       | • Photolithography chemicals, general chemicals, ozonated water |

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# SupaPore TL Technical Data

## Dimensions

Outside Diameter: 70mm  
 Typical Surface Area: 0.93m<sup>2</sup> (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.

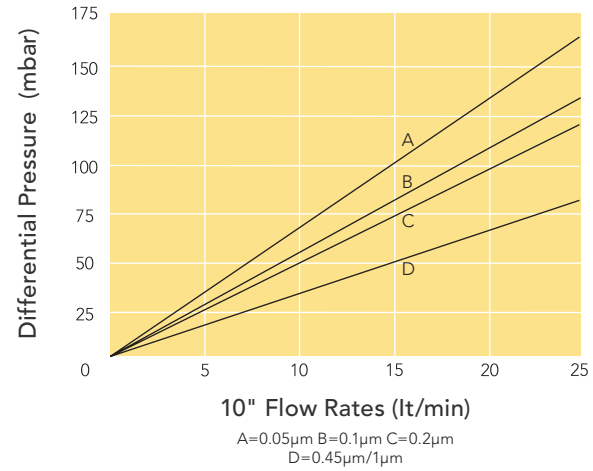
## Standard Materials of Construction

Filter Media: Polytetrafluoroethylene (PTFE)  
 Media support: ECTFE  
 End Caps: ECTFE  
 Cage/Core: ECTFE

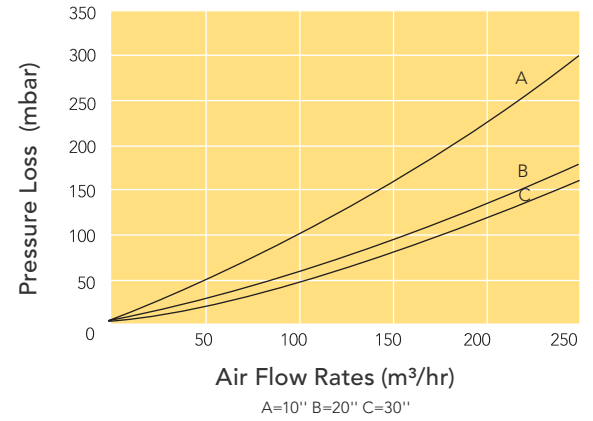
## Integrity Test Specification

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

## Flow Rates For Water



## Flow Rates "Air"



# Ordering Guide

16TL	B	002 -	20	3	V	A
Media	Grade	Micron Rating	Length	End Caps	Seal	Branding
TL - PTFE / Halar	B - Biological	000 - 0.05µm 001 - 0.10 002 - 0.20 004 - 0.45 010 - 1.0	09 - 248mm 20 - 494 30 - 749 40 - 986	2 - Code 2 3 - Code 3 7 - Code 7 8 - Code 8	V - Viton F - FEP / Silicone G - FEP / Viton	A - Amazon

Example: 16TLB002-203VA = PTFE Media, Biological grade, 0.2µm double length, 20" long, code 3 end cap with Viton seal

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