

# SUPAPORE TTG

## All Fluoropolymer Cartridge



SupaPore TTG Microfiltration cartridges have been designed specifically for use in corrosive gas and aggressive liquid applications. The naturally hydrophobic PTFE membrane and PFA hardware makes this cartridge an ideal choice for systems requiring excellent compatibility, reliability and a consistently high quality filtrate.

Available in a range of absolute rated pore sizes:

- 0.05µm
- 0.1µm
- 0.2µm
- 0.45µm
- 1.0µm
- 3.0µm
- 5.0µm
- 10.0µm

Amazon Filters manufacture a comprehensive range of filter housings for SupaPore TTG cartridges including the corrosion resistant range from 18 and 50 Series in materials which include 316 Stainless Steel, Alloy 22, Tantaline and all PTFE.

Please consult our Sales Office for further details on the full range.

### Product Features

SupaPore TTG cartridges feature:

- A naturally hydrophobic PTFE membrane
- 100% Fluoropolymer construction
- 0.05µm to 10µm range of micron rating
- No fibre migration
- Wide chemical compatibility
- High temperature resistance
- Thermally bonded and adhesive free

Suitable for most sanitisation regimes including hot water flush and most common sanitising agents



## Features and Benefits

- Full Fluoropolymer construction
- Naturally hydrophobic PTFE membrane and PFA hardware
- Thermal bonding process eliminates adhesives and ensures minimal extractables
- Identification mark on every cartridge
- Consistent and reliable performance
- Low extractables
- Full product guide available

## Industries and Applications

- |                          |  |
|--------------------------|--|
| <b>Food and Beverage</b> | • Ozonated water, sterile vent for storage and transfer tanks                |
| <b>Pharmaceutical</b>    | • Organic Solvent filtration   |
| <b>Fine Chemicals</b>    | • Polymers, aggressive acids (Nitric, Hydrofluoric) and alkalis (Chloroform) |
| <b>Electronics</b>       | • Photoresists, Acids, Etch Solutions, Pure water systems                    |



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# SupaPore TTG Technical Data

## Dimensions

Outside Diameter: 68mm  
 Typical Surface Area: 0.7m<sup>2</sup>  
 Length: See ordering guide

## Maximum Operating Conditions

Temperature: 170°C  
 Recommended Maximum Differential Pressure:  
 Forward Flow: 5.0 bar @ 20°C  
 4.0 bar @ 50°C  
 3.0 bar @ 110°C  
 1.5 bar @ 170°C

Recommended change-out differential pressure 2.5 Bar

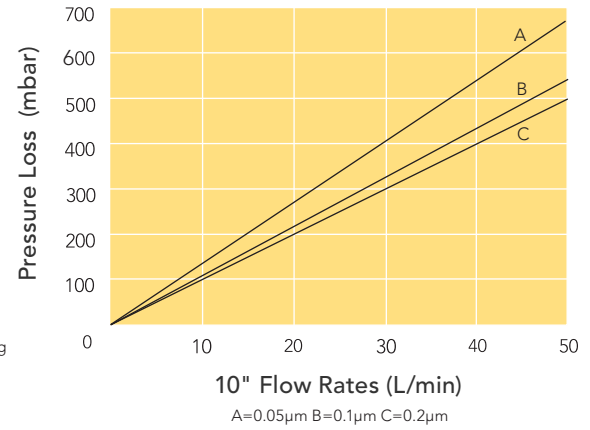
The operating conditions above should be treated as maximum differential pressures for short term use without causing cartridge collapse problems

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

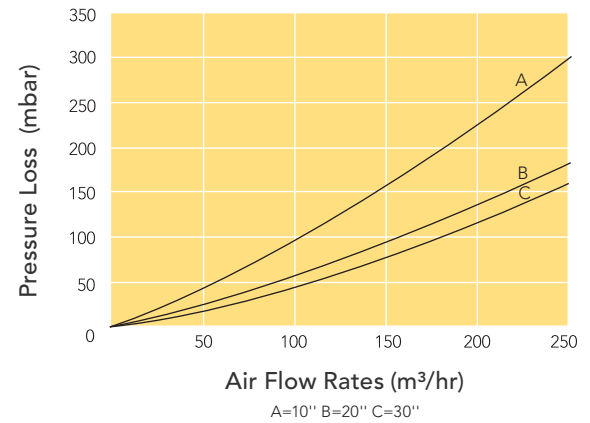
## Standard Materials of Construction

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

Flow Rates (10" Element) (IPA)



Flow Rates "Air"



## Ordering Guide

16TT	G	002 -	09	3	F	A
Media	Grade	Micron Rating	Length	End Caps	Seal	Branding
16TT - PTFE / PFA	G - General	000 - 0.05µm 001 - 0.10 002 - 0.20 004 - 0.45 010 - 1.0 030 - 3.0 050 - 5.0 100 - 10	04 - 105mm 09 - 250 20 - 500 30 - 750 40 - 1000	2 - Code 2 3 - Code 3	F - FEP / Silicone G - FEP / Viton	A - Amazon

Example: 16TTG002-203FA = PTFE Media with PFA hardware,, general grade, 0.2µm, double length 20" long, Code 3 end fitting with FEP/Silicone seal.

# AMAZON FILTERS LTD.

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16TTG - Issue 03