

# SUPAPORE TP VENT

## Autoclave and Tank Vent Filters



SupaPore TP vent filters are specifically designed for venting applications on tanks and vessels and to be used as vacuum break filters for autoclaves. They are manufactured using a naturally hydrophobic PTFE membrane to ensure high flow rates and low pressure drops are achieved under a wide range of conditions. All cartridges are thermally bonded and adhesive free to provide a robust filter. These filters are fitted with a ½" BSP male connector so can easily be fitted to autoclaves and other process equipment.

### Product Features

- A naturally hydrophobic PTFE membrane rated at 0.02µm in air and gas
- Polypropylene support
- Minimal fibre migration
- High flow rates and low pressure drops
- Available as 2" and 5" length cartridges
- ½" BSP male connectors
- Can be repeatedly steam sterilised
- Junior cartridge available



The use of a naturally hydrophobic membrane in SupaPore TP cartridges helps prevent the filter from wetting-out during use. This is critical in applications where water vapour is present to ensure that air flow into and out of the equipment is maintained. Typical applications include tanks containing liquids at elevated temperatures and autoclaves where steam may come into contact with the filter.

The use of an absolute rated membrane means that removal efficiency is maintained independent of flow rate. This allows the high flow characteristics of SupaPore TP vent filters to be utilised and smaller filters to be used.

## Features and Benefits

- High flow rates allow the use of smaller filters
- Absolute rating assures performance even at high flow rates
- Hydrophobic PTFE media prevents wetting out of the filter
- ½" BSP male connector so can be easily installed
- Full Product Validation Guide available
- All SupaPore cartridges are manufactured under strict control with batch number identification, giving full traceability on all components
- All individual packing bags are anti static

## Industries and Applications

- Tank and vessel venting
- Autoclave vacuum break



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# SupaPore TP Technical Data

## Dimensions

	Standard		Junior	
Outside diameter:	70mm		56mm	
Filter size:	2"	5"	2"	5"
Surface area:	0.18m <sup>2</sup>	0.37m <sup>2</sup>	0.12m <sup>2</sup>	0.25m <sup>2</sup>
Length:	64mm	129mm	64mm	122mm

## Sterilisation and Sanitisation

Steam or Autoclave : 136°C for 30 minutes (100 cycles)

## Maximum Operating Conditions

Temperature: 80°C

Recommended Maximum Differential Pressure :

Forward Flow : 5.0 bar @ 20°C

Reverse Flow : 2.1 bar @ 20°C

Recommended change-out differential pressure: 2.5 Bar

## Standard Materials of Construction

Filter Media: Polytetrafluoroethylene (PTFE)

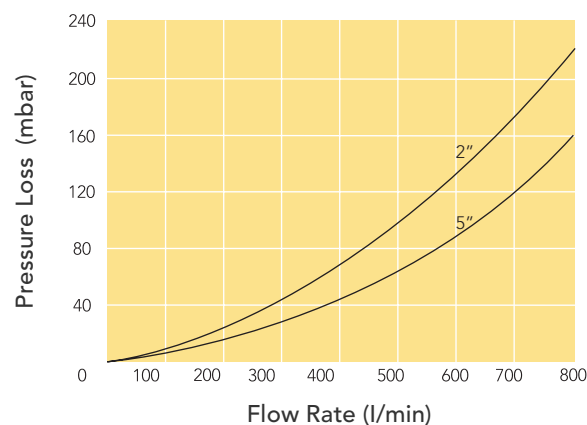
Media Support: Polypropylene

End caps: Polypropylene

Cages/Core: Polypropylene

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

## Air Flow Rates



\*Note: Flow Graph represents Standard option only, not the Junior option.

## Ordering Guide

16TP	G	002 -	05	X	S	A	02
Media	Core/Assembly	Micron Rating	Length	End Cap	Seal	Branding	Options
TP - PTFE / Polypropylene	G - General	002 - 0.02µm	02 - 64mm 05 - 122mm *1 05 - 129mm	X - Screw thread J - Junior	S - Silicone	A - Amazon	02 - ½" BSPP male B - ½" BSPP male *1

Example: 16TPG002-02XSA02 = PTFE media with Polypropylene core, General Grade, 0.2µm, 2" length, with Silicone seal.

\*1 Junior filters only

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