

# SUPAPORE VPH

## Pleated Membrane Filter Cartridge



SupaPore VPH Microfiltration cartridges use a pleated high surface area Polyethersulphone membrane that has been designed for use in a wide range of liquid processing applications and is particularly suited to purified water systems. The naturally hydrophilic PES membrane contains no wetting agents and has very low levels of extractables making this cartridge an ideal choice for systems requiring a reliable and consistent high-quality filtrate.

Suitable for most sanitisation regimes including steaming, autoclaving, hot water flush and most common sanitising agents.

Amazon Filters manufactures a comprehensive range of filter housings for SupaPore VPH 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.



## Features and Benefits

- Provides consistent and reliable performance
- Pleated PES membrane that exhibits exceptional cleanliness
- Wide chemical compatibility,
- Range of ratings from 0.1 to 1.0µm
- Meets US FDA Title 21 & USP Class VI requirements and EC food contact requirements 1935/2004
- Thermal bonding process eliminates adhesives
- Identification mark on every cartridge
- Comprehensive Product Validation Guide available

(Note: Steaming, autoclaving and hot water sanitisation must use the GF End Cap option)

## Industries and Applications

- |                    |  |
|--------------------|--|
| Pharmaceuticals    | • Purified water systems, Oral medications, fine prefiltration |
| API/Fine Chemicals | • Aqueous and Organic bulk feeds, Solvents                     |
| Electronics        | • High purity water, Polishing loop return lines, Point of use |
| Cosmetics          | • Alcohol, Mouthwashes, Make up water                          |



# SupaPore VPH Technical Data

## Dimensions

Standard 10"  
 Outside Diameter: 68.5 mm  
 Typical Surface Area: 0.5 m<sup>2</sup> - 0.6 m<sup>2</sup> (10")

## Sterilisation and Sanitisation\*1

Steam or Autoclave: 124°C for 30 mins (150 cycles)  
 134°C for 30 mins (100 cycles)  
 Hot Water: 90°C for 30 mins (0.2 bar Δp max)

\*1 Applies to single open end cartridges only. For all steaming and hot water applications, the GFPP End Cap option must be used

## Maximum Operating Conditions

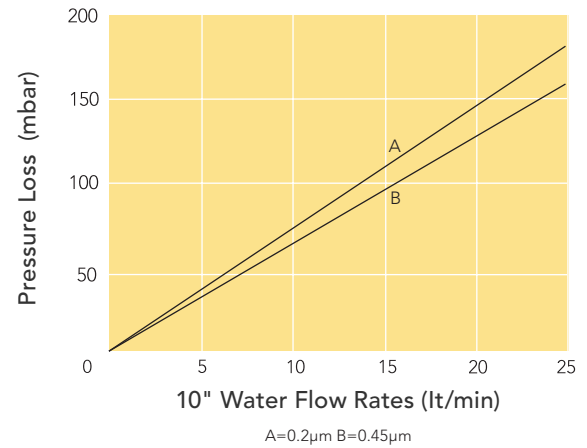
Temperature: 80°C  
 Recommended Maximum Differential Pressure:  
 Forward Flow: 5.2 Bar @ 20°C  
 Reverse Flow: 2.1 Bar @ 20°C

## Standard Materials of Construction

Filter Media: Polyethersulphone (PES)  
 Media support: Polypropylene  
 End Caps: Polypropylene  
 Cage/Core: Polypropylene

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

Flow Rates For Water (10" Element)



## Ordering Guide

16VP	H	004 -	30	3	S	A	
Media	Grade	Micron Rating	Length	End Caps	Seal	Branding	Options
16VP - Polyethersulphone / Polypropylene 16VD - Polyethersulphone / Polypropylene Cage and Endcaps, Reinforced Polypropylene Core	H - Water	001 - 0.10µm 002 - 0.20 004 - 0.45 006 - 0.65 008 - 0.80 010 - 1.0	05 - 131mm 09 - 251 20 - 506 30 - 757 40 - 1016	0 - DOE* A - Code A B - Code B*2 S - Code S 2 - Code 2 3 - Code 3 7 - Code 7 8 - Code 8	B - Buna E - EPDM F - FEP / Silicone S - Silicone V - Viton	A - Amazon	G - GFPP End Cap

Example: 16VPH004-303SA = Polyethersulphone media with polypropylene core, Water Grade, 0.45µm, triple length 30" long, Code 3 end fitting with Silicone seal.

\* Code 0 - Available only with EPDM seal

\*2 Code B - to fit Amazon 50 Series housings only

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