

SUPAPORE FPW

AMAZON

PLEATED MEDIA FILTER CARTRIDGES

SUPAPORE FPW Microfiltration cartridges can be used as membrane prefilters in most beverage applications such as clarification, stabilisation and bio burden reduction. It also serves as the ideal membrane protection filter for final sterilising systems.

The advanced Borosilicate Glass Microfibre media has been selected due to its enhanced depth characteristics and exceptionally low pressure losses. This is combined with a down stream polypropylene media to support and strengthen the system. This highly efficient media combination is stable even in the most severe CIP (Clean In Place) systems. This high surface area pleated depth media offers excellent dirt holding capacity and retention levels.

Manufactured using polypropylene for the hardware, the **SUPAPORE FPW** construction utilises a thermal welding technique to seal all the components therefore eliminating adhesives and extractables and optimising cartridge integrity.

Its high filtration efficiency and dirt capacity makes it an excellent choice for use in almost all beverage processes.

The **SUPAPORE FPW** cartridges are available in two grades with a full range of industry standard and junior lengths and end cap styles.

Product Features

- Bacterial retention data with LRVs using *Oenococcus Oeni*
- Borosilicate Glass Microfibre media
- Epoxy binding for maximum compatibility
- Polypropylene hardware with Polyester drainage layers
- Modular construction
- Standard and Junior configurations
- Materials meet US FDA CFR Title 21 requirements

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

(Note: Steaming, autoclaving and hot water sanitisation must use the stainless steel support ring or the glass filled end-cap option)

Amazon Filters manufactures a comprehensive range of filter housings for **SUPAPORE** 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.

SUPAPORE FPW FEATURES AND BENEFITS

- X Grade for maximum protection of all membranes ranging from 0.2 to 0.45µm
- V Grade for maximum protection of all membranes ranging from 0.6 to 1.0µm
- Choice of two validated*₁ removal ratings for consistent and reliable performance
- Pleated Borosilicate Glass Microfibre media combined with a meltblown polypropylene support layer
- High surface area giving high flow rates and low initial pressure losses
- Wide chemical compatibility, meet FDA requirements
- Thermal bonding process eliminates adhesives and ensures minimal extractables
- Identification mark on every cartridge
- Full product guide available



SUPAPORE FPW

TECHNICAL DATA

Dimensions

Outside Diameter:	Standard 68.5mm	Junior 55.5mm
Typical Surface Area:	0.33m ² (Per 10")	0.21-0.24m ²
Length:	See ordering guide	

Sterilisation and Sanitisation*2

Steam or Autoclave:	121°C for 15 mins (40 cycles)
Hot Water:	90°C for 30 mins (0.2 bar Δp max)

*2 Applies to single open end cartridges only. For all steaming and hot water applications, the stainless steel end cap insert or Glass Filled PP end cap option must be used.

Maximum Operating Conditions

Temperature:	80°C
Recommended Maximum Differential Pressure:	
Forward Flow:	4.0 Bar @ 20°C
Reverse Flow:	3.5 Bar @ 20°C

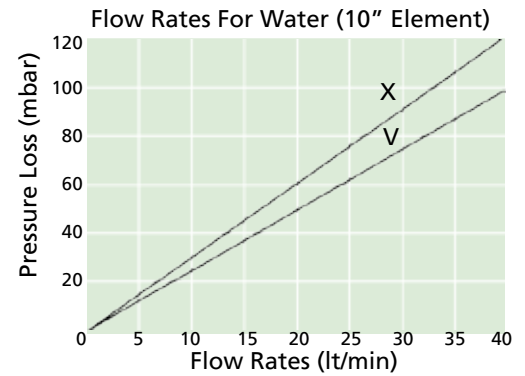
Product validation guide available on request. All SUPAPORE FPW cartridges are manufactured under strict control with batch number identification, giving full traceability on all components.

Materials of Construction

Filter Media:	Borosilicate Glass Microfibre with Epoxy resin binder / Polypropylene
Media Support:	Polyester
Cage, Core & End Caps:	Polypropylene (PP)

Bacterial Challenge

16FPW: Typical TR is >10⁵ (Oenococcus Oeni)



INDUSTRIES AND APPLICATIONS

Food and Beverage	• Bottled water, Beers, Wines, Flavours, Polishing lines, Clarification
Pharmaceuticals	• Membrane pre-filtration, Ophthalmics, Oral medications, Serum
Fine Chemicals	• Polymers, Bases, Solvents
Cosmetics	• Alcohol, Creams, Lotions, Essential oils, Mouthwashes
Water Treatment	• Potable water, Resin trap, Pre/Post UV, Membrane protection

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