

SUPAPORE FPG



PLEATED DEPTH FILTER CARTRIDGE



SUPAPORE FPG Microfiltration cartridges have been designed as effective membrane prefilters and as final polishing filters for all liquid processing applications.

Manufactured using polypropylene for the hardware, the **SUPAPORE FPG** utilises a superior Borosilicate Glass Microfibre as the media. This highly efficient pleated depth media offers excellent dirt holding capacity and retention levels, making it an ideal clarifier in many liquid processing applications. Its thermally bonded construction ensures minimal extractables and its high filtration efficiency makes it an excellent choice for use in beverage, fine chemical & water treatment processes. The construction utilises thermal welding techniques to bond all the components therefore eliminating adhesives and extractables and optimising cartridge integrity.

The **SUPAPORE FPG** cartridges use pleated depth media and are available in Standard and Junior sizes with micron ratings from 0.3µm to 10µm in the full range of industry standard lengths and end cap styles.

Product Features

- Borosilicate Glass Microfibre media
- Epoxy binding for maximum compatibility
- Polypropylene hardware with Polyester drainage layers
- Absolute removal ratings Beta ratio 1000
- Modular construction
- Standard and Junior Configurations
- Graded density media for optimum dirt holding capacity
- 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 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 FPG FEATURES AND BENEFITS

- Absolute removal ratings for consistent and reliable performance
- Pleated depth media for maximum dirt holding capacity
- High surface area giving high flow rates and low initial pressure losses
- Range of Absolute ratings from 0.3 to 10µm
- Thermal bonding process eliminates adhesives and ensures minimal extractables
- Identification mark on every cartridge
- Full product guide available

TECHNICAL DATA

Dimensions

Outside Diameter:	Standard 68.5mm	Junior 55.5mm
Typical Surface Area:	0.36m ² (Per 10")	0.12m ²
Length:	See ordering guide	

Sterilisation and Sanitisation*¹

Steam or Autoclave:	121°C for 15 mins (40 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 Glass Filled end cap option must be used.

Maximum Operating Conditions

Temperature:	80°C
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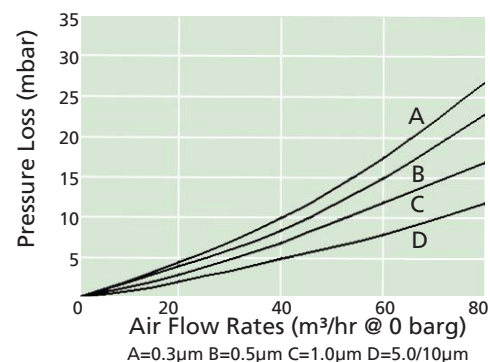
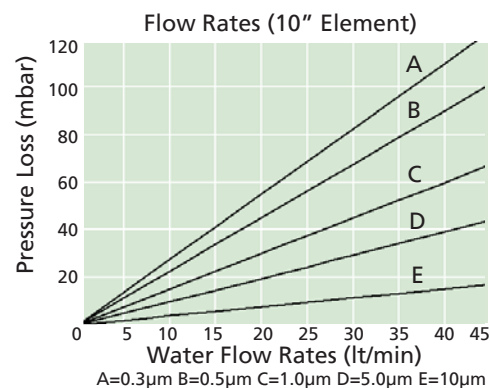
Recommended Maximum Differential Pressure:

Forward Flow:	4.0 Bar @ 20°C
Reverse Flow:	3.5 Bar @ 20°C

Product validation guide available on request. All **SUPAPORE FPG** 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
Media Support:	Polyester
Cage, Core & End Caps:	Polypropylene (PP)



ORDERING GUIDE

16				G					-					A	
MEDIA		CORE/ASSEMBLY		MICRON RATING		LENGTH		CONNECTIONS		SEAL		OPTIONS			
F - Borosilicate Glass Microfibre		P - Polypropylene / Polyester		003 - 0.3µm 005 - 0.5 010 - 1.0 050 - 5.0 100 - 10		05 - 125mm 09 - 250 20 - 509 30 - 769 40 - 1016		0 - DOE A - Code A B - Code B* ² S - Code S 2 - Code 2 3 - Code 3 6 - Code 6 7 - Code 7 8 - Code 8 9 - Code 9 J - Junior* ³		B - Buna E - EPDM F - FEP/Silicone (SOE Only) S - Silicone T - PTFE (DOE Only) V - Viton		G - Glass filled PP end cap			

Example: 16FPG005-20ASA = Glass Microfibre media with polypropylene hardware, General grade, 0.5µm rating, double length 20", code A connection with silicone seal.

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

*³ Junior Cartridges available in 5", Code J, Single Open Ended Only

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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