

SUPAPORE PPG



PLEATED DEPTH FILTER CARTRIDGE



SUPAPORE PPG Microfiltration cartridges have been designed as an effective membrane prefilters and as final polishing filters for many liquid processing applications.

Manufactured using 100% polypropylene media, drainage layers and hardware, the **SUPAPORE PPG** pleated depth cartridge offers excellent chemical compatibility across a wide range of liquid processing applications. Its thermally bonded construction ensures minimal extractables and its high filtration efficiency makes it an excellent choice for use in many chemical & water treatment processes. The construction utilises thermal welding techniques to seal all the components therefore eliminating adhesives and extractables and optimising cartridge integrity.

SUPAPORE PPG cartridges use pleated depth media and are available in standard diameter and Junior sizes with micron ratings from 0.5µm to 40µm in the full range of industry standard lengths and end cap styles.

Product Features

- 100% polypropylene construction
- Absolute removal ratings Beta ratio 1000
- No fibre migration
- Modular construction
- Standard and Junior configurations
- Materials meet US FDA Title 21 and USP Class VI 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 PPG 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
- Wide chemical compatibility using 100% polypropylene to meet FDA requirements
- Range of Absolute ratings from 0.5 to 40µm
- 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:	0.4 - 0.62m ² (Per 10")	0.15 - 0.24m 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.

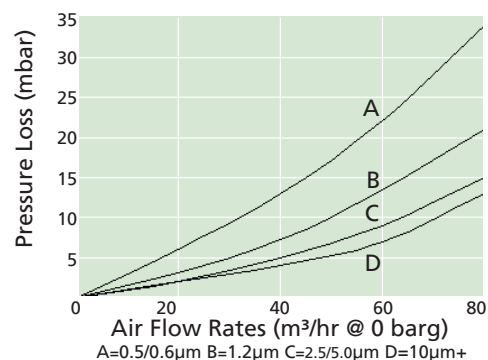
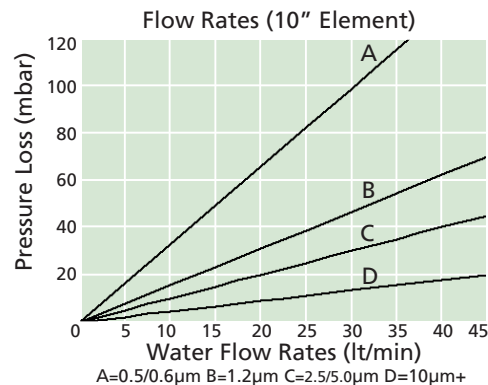
Maximum Operating Conditions

Temperature:	80°C
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 PPG** cartridges are manufactured under strict control with batch number identification, giving full traceability on all components.

Materials of Construction

Filter Media:	Polypropylene (PP)
Cage, Core & End Caps:	Polypropylene (PP)



ORDERING GUIDE

16			G				-					A	
MEDIA	CORE/ASSEMBLY	MICRON RATING	LENGTH	CONNECTIONS	SEAL	OPTIONS							
P - Polypropylene	P - Polypropylene	005 - 0.5µm 006 - 0.6 012 - 1.2 025 - 2.5 050 - 5.0 100 - 10 200 - 20 400 - 40	05 - 125mm 09 - 250 20 - 509 30 - 762 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: 16PPG012-30SEA = Polypropylene media and core, General grade, 1.2µm rating, triple length 30", code S connection with EPDM 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
Fine Chemicals	• Polymers, Photoresists, Acids, Bases, Solvents
Electronics	• High purity water, Photo resists, Acids, Etch solutions
Cosmetics	• Alcohol, Creams, Lotions, Essential oils, Mouthwashes
Metal Finishing	• Plating solutions, Wash solutions, Paints, Resins, Varnishes
Water Treatment	• Potable water, Resin trap, Pre/Post UV, Membrane protection

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