

SUPAPORE XPG

Pleated Depth Filter Cartridge



SupaPore XPG Microfiltration cartridges have been designed as effective prefilters for membrane and as final polishing filters for many liquid processing applications. Manufactured using 100% polypropylene media, drainage layers and hardware, the SupaPore XPG pleated depth cartridge offers excellent chemical compatibility across a wide range of liquids processing applications. Its thermally bonded construction ensures minimal extractables and its high filtration efficiency makes it an excellent choice for use in many manufacturing & water treatment processes.

The construction utilises thermal welding techniques to seal all the components

therefore eliminating adhesives and extractables and optimising cartridge integrity.

SupaPore XPG cartridges exhibit extremely high dirt loading capacity to maximise throughputs on difficult to filter solutions. This is possible due to the much deeper pleat profile used in manufacture.

Product Features

- 100% polypropylene construction
- Absolute removal ratings Beta ratio 5000
- No fibre migration
- Modular construction
- Standard and Junior configurations
- Materials meet US FDA Title 21 and

USP Class VI requirements

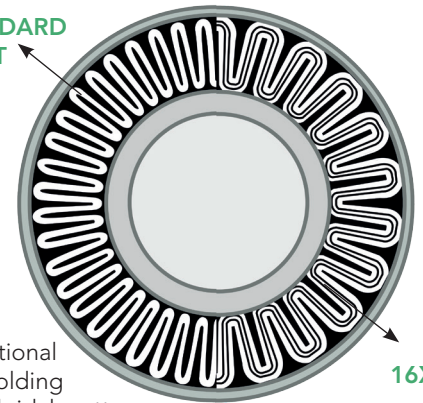
- Meets the requirements for food contact as detailed in European Regulation (EC) Number 1935/2004 Suitable for most sanitisation regimes including steaming, autoclaving, hot water flush and most common sanitising agents.

(Note: Steaming, autoclaving and hot water sanitisation must use the Reinforced Polypropylene only.)

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.



STANDARD PLEAT



16XPG

Increased depth of filtration over traditional pleated filters providing greater dirt holding capacity and increased capture on colloidal matter

Features and Benefits

- Absolute removal ratings for consistent and reliable performance
- Graded density deep pleat construction for exceptional throughputs and retention of colloidal matter
- High surface area giving high flow rates and low initial pressure losses
- Range of Absolute ratings from 0.2 to 40µm
- Thermal bonding process eliminates adhesives and ensures minimal extractables
- Identification mark on every cartridge
- Comprehensive Product Validation Guide Available
- All individual packing bags are anti static

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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SupaPore XPG Technical Data

Dimensions

Outside Diameter:	Standard 10"	Junior 5"
	68.5mm	56mm
Typical Surface Area:	0.3m ²	0.14m ²

Sterilisation and Sanitisation*1

Steam or Autoclave	121°C for 30 mins (40 cycles)
	135°C for 30 mins (25 cycles)
Hot Water:	90°C for 30 mins (0.2 bar Δp max)

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

Maximum Operating Conditions

Temperature:	80°C
Recommended change-out differential pressure:	2.5 Bar

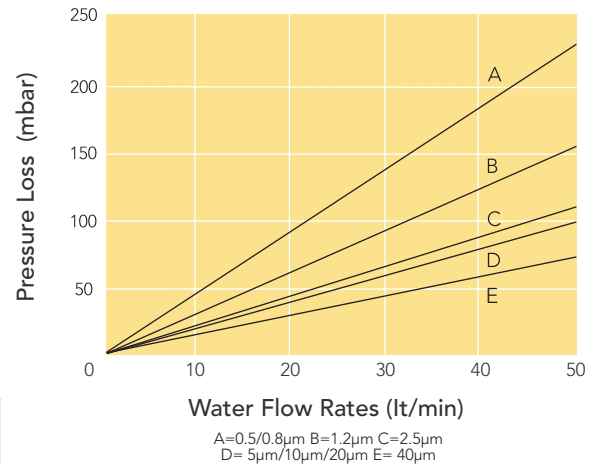
Maximum ΔP	PP Media PP Core	PP Media Reinforced PP Core	Maximum ΔP (Reverse Flow)
@ 20°C	4.0	4.0	3.5
@ 50°C	3.0	4.0	1.0
@ 80°C	1.0	2.4	0.5

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

Standard Materials of Construction

Filter Media:	Polypropylene
Media support:	Polypropylene
End Caps:	Polypropylene
Cage/Core:	Polypropylene

Flow Rates (10" Element)



Ordering Guide

16X	PG	012 -	30	S	E	A	
Media	Core/Assembly	Micron Rating	Length	End Caps	Seal	Branding	Options
16X - Extended Life Polypropylene	PG - Polypropylene DG - Polypropylene Cage and End Caps, Reinforced Polypropylene Core*3	005 - 0.5 008 - 0.8 012 - 1.2 025 - 2.5 050 - 5.0 100 - 10 200 - 20 400 - 40	02 - 64mm 05 - 125 09 - 250 20 - 509 30 - 762 40 - 1016	0 - DOE A - Code A B - Code B*1 S - Code S 2 - Code 2 3 - Code 3 6 - Code 6 7 - Code 7 8 - Code 8 9 - Code 9 J - Junior*2	B - Buna E - EPDM F - FEP / Silicone (SOE Only) S - Silicone T - PTFE (DOE Only) V - Viton	A - Amazon	G - Reinforced Polypropylene End Cap*3 A - Millidisk Retrofit Adaptor*4 B - 1/2" BSPM Adaptor*4 C - Trueseal Retrofit Adaptor*4

Example: 16XPG012-30SEA = Polypropylene media and core, General grade, 1.2µm rating, triple length 30", Code S connection with EPDM seal.

*1 Code B - to fit Amazon **50 Series** housings only
 *2 Junior Cartridges available in 2" & 5", Code J, Single Open Ended Only
 *3 Standard on Junior cartridges.
 *4 Junior filters only

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16XPG-Issue 01