

Filter cartridge – EP Series

The EP Series is a range of pleated filter cartridges utilising polypropylene, borosilicate (glass fibre) or polyester filter media. The filter media is thermally bonded and consists of extremely fine fibres with a graded density structure.

The support structure is made from polypropylene, and the high thickness used for all supporting parts in conjunction with the thermally bonded assembly ensures an excellent mechanical stability of the cartridge. This also eliminates the use of glues or adhesives, minimising levels of extractables and broadening the range of chemical compatibility. The pleated filter media gives a high filter surface which gives a high flow rate, low pressure drops and high dirt holding capacity.

FEATURES & BENEFITS

Removal ratings from 0.2 to 100 micron
Pleated depth media for maximum dirt holding capacity
High surface area giving high flow rates and low initial pressure losses
PP, GF or PE filter media giving wide chemical compatibility
Thermal bonding process eliminates adhesive and ensures minimal extractables

APPLICATIONS

Electronic industries
Food & Beverage
Cosmetics
General water filtration
RO / DI pre-filtration
Chemical liquid clarification
Edible oils
Acids
Alkalis
Solvents
Coatings

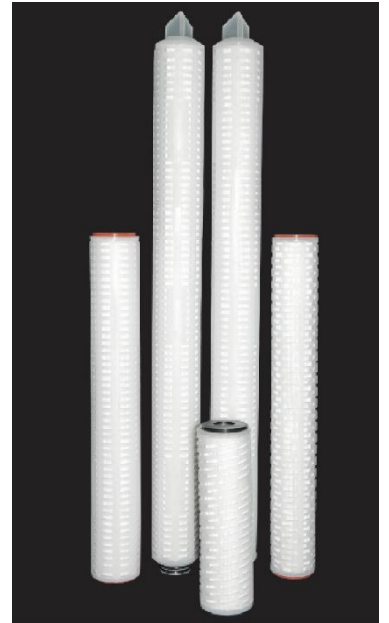
SPECIFICATIONS

Sterilisable with autoclave at 130°C
Max operating temperature 80°C (continuous 65°C)
Max pressure differential: 4.5 bar at 25°C, 2.4 bar at 80°C
Choice of end caps and O-ring materials
Cartridge length 5" - 10" - 20" - 30" - 40"
O.D. 69 mm

FOOD SAFETY

Polypropylene EP Series filter elements material meet EC regulation no.10/2011 and its amendments, EC 1935/2004 and complies with FDA 21 CFR 177

Filter media and components pass USP Biological Reactivity and Chemical-Physical tests for Class VI plastics.
Specific for pH grade: the filter meets USP Water for injection requirements for particle release and the effluent is Non-pyrogenic per USP– Bacterial Endotoxins (< 0.25 EU/ml).





Allied Filter Systems Ltd

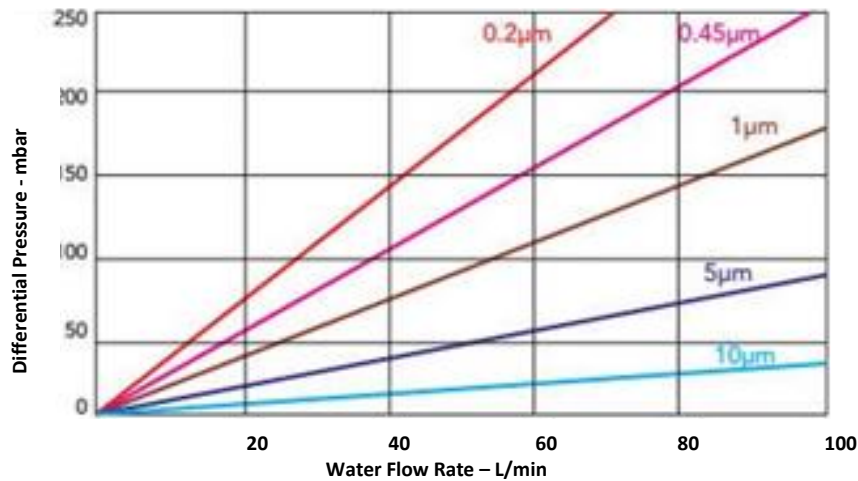
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Flow Characteristics



Materials of construction:

	PP	GF	PE
Filter media:	Polypropylene	Borosilicate	Polyester
Filter media support:	Polypropylene	Polyester	Polyester
End caps:	Polypropylene	Polypropylene	Polypropylene
Core:	Polypropylene	Polypropylene	Polypropylene
Outer support cage:	Polypropylene	Polypropylene	Polypropylene

ORDERING INFORMATION

Name	Filter Media	Micron Rating	Length (inches)	End Caps	O-Rings
EP	PP GF PE	0.20µm	5	C3	E - EDPM
		0.45µm	10	C4	S-Silicone
		0.65µm	20	C7	V-Viton
		1.0µm	30	C8	N-Nitrile
		3.0µm	40		
		5.0µm			
		10µm			
		*25µm			
		*50µm			
		*100µm			

* Only available in PP and PE

C3-Single open ended with external 222 O-rings, C4-Double open ended with flat gaskets, C7-Single open ended with fin end, bayonet and external 226 O-rings, C8-Single open ended with fin end and external 222 O-rings.