



OPTIPLEAT

ABSOLUTE PLEATED POLYPROPYLENE FILTER

Food & Beverage Grade

These filter cartridges composed of a polypropylene media, are absolute-rated with high dirt holding capacity, long service and high flow rates. This type of media provides absolute and reliable efficiency for particle retention in food and beverage industry filtration.



FEATURES AND BENEFITS

- The filter have 99.98% Beta ratio 5000 efficient and high dirt holding capacity
- Pleated surface provides high flow rates and extended service life
- Available in ratings from 0.3µm to 10µm for a precise particle removal
- Excellent retention of particles and reduction of bioburden from liquids
- Manufactured under a quality management system certified to ISO 9001:2000
- All components materials meets the requirement for food contact detailed in European Regulation (EC) N°1935/2004 and (EU) N° 10/2011
 - * Extractables < 30mg per 10" / 254mm
 - * Endotoxins < 0.25EU/ml
- Typical applications:
 - ⇒ Clarification of beer downstream of diatomaceous earth filters of following PVPP stabilization
 - ⇒ Clarification of wine and sparkling wine
 - ⇒ Clarification of fruit juice and spirits

TECHNICAL SPECIFICATIONS

CARTRIDGE DIMENSIONES

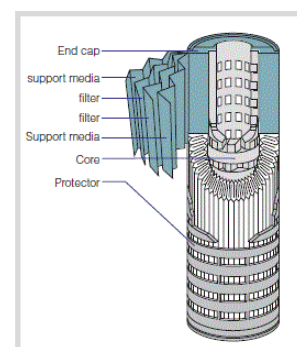
- Outer diameter: 68mm
- Length: 5" - 127mm 10" - 254mm 20" - 508mm
- 30" - 762mm 40" - 1016mm

MATERIALS OF CONSTRUCTION

- Filter media: Polypropylene
- Support layers: Polypropylene
- Core/Cage/End caps: Polypropylene
- End cap insert (optional): 316L stainless steel or PBT
- Standard O' ring/gaskets: Silicone, EPDM or PFA/Viton

EFFECTIVE FILTRATION AREA (EFA)

- $\geq 0.48\text{m}^2$ (0.8µm)
- $\geq 0.39\text{m}^2$ (1.0µm)
- $\geq 0.41\text{m}^2$ (3.0µm)
- $\geq 0.55\text{m}^2$ (5.0µm)
- $\geq 0.52\text{m}^2$ (10.0µm)



OPERATING CONDITIONS	
Maximum Differential Pressure	6.9 bar (100 psi) at 25 °C 2.4 bar (35 psi) at 80 °C
Max. Allowable Back Pressure	3.0 bar (44 psi) at 25 °C 1.0 bar (15 psi) at 80 °C
In line Steaming Sterilize	Can be steam sterilized 20 cycles for 30 minutes at 125 °C (< 0.3 bar, 5 psi).
Hot water sanitization	Can be hot water sanitized for 30 minutes at 85 °C With 50 cycles

ORDERING INFORMATION

F	PP	A						
			LENGTH	MICRON (*)	END CAP (inf)	END CAP (sup)	GASKETS	END CAP INSERT
			05 - 5"/127mm	0.45 - 0.45µm	B - DOE with Gaskets	B - DOE with Gaskets	S - Silicone	(Blank) - No insert
			10 - 10"/254mm	0.65 - 0.65µm	C - 226	F - Flat	E - EPDM	P - PBT
			20 - 20"/508mm	0.80 - 0.8µm	D - 222	S - Spear	V - Viton	S - St. St.
			30 - 30"/762mm	001 - 1µm	E - 222 Sartorius (3 tabs)			
			40 - 40"/1016mm	003 - 3µm	J - Junior 214			
				005 - 5µm	K - Junior 216			
				010 - 10µm				
				020 - 20µm				

(*) Other sizes available

DISTRIBUIDO POR:



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