

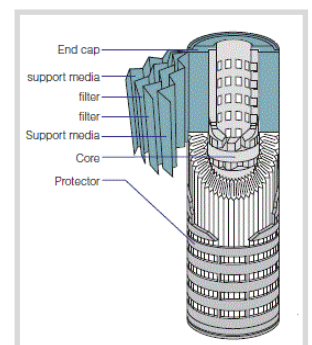
These filter cartridges provide absolute and accurate efficiency for the retention of particles in critical applications especially beer filtration.

They combine high dirt holding capacity with a long service life and extremely high flow rates.



FEATURES AND BENEFITS

- High dirt holding capacity
- Pleated surface provides high flow rates and extended service life
- Available in ratings from 0.3µm to 20µm for a precise particle removal
- Excellent retention of particles and reduction of bioburden from liquids
- All materials used meet the requirements on materials used for articles intended to come into contact with food as described in FDA CFR Title 21 and European Regulation (EC) N° 1935/2004 and EC 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: 71mm / 2.79"
- Length: 5" - 127mm 10" - 254mm 20" - 508mm 30" - 762mm 40" - 1016mm

MATERIALS OF CONSTRUCTION

- Filter media: Multiple layers melt-blown polypropylene
- Support layers: Polypropylene
- Core/Cage/End caps: Polypropylene
- End cap insert (optional): 304 stainless steel or PBT
- Standard O' ring/gaskets: Silicone, EPDM or Viton

EFFECTIVE FILTRATION AREA (EFA)

- ≥ 0.6m² / 6.45ft² x 2 per 10" / 254mm

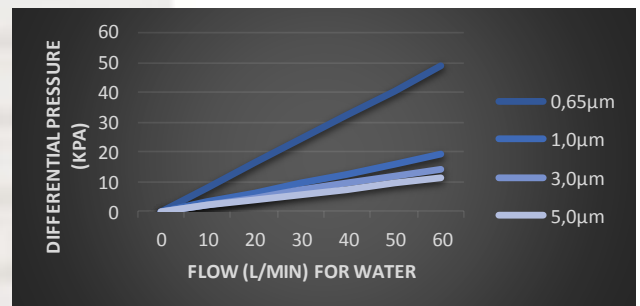
OPERATING CONDITIONS

Maximum Differential Pressure	5bar / 72.5psi @ 20°C / 68°F 3bar / 43.5psi @ 90°C / 194°F
Max. Allowable Back Pressure	2bar / 29psi @ 20°C / 68°F
In line Steaming Sterilize	121°C, 20 minutes at a max differential pressure of 0.5bar / 7psi
Autoclaving	134°C, 2bar / 29psi, 30 minutes

FLOW RATE CHARACTERISTICS

Test criteria: single length 10" / 254mm cartridge, water at 20°C / 68°F

FLOW RATE (L/Min)	DIFFERENTIAL PRESSURE (Kpa)			
	0.65µm	1.0µm	3.0µm	5.0µm
10	8.1	3.2	2.3	1.9
20	16.2	6.3	4.7	3.8
30	24.3	9.5	7.0	5.7
40	32.5	12.6	9.3	7.5
50	40.6	15.8	11.6	9.4
60	48.7	19.0	14.0	11.3



ORDERING INFORMATION

F	PP	A					
LENGTH	MICRON (*)	END CAP (inf)	END CAP (sup)	GASKETS	END CAP INSERT		
05 - 5"/127mm	0.30 - 0.3µm	A - DOE no Gaskets	A - DOE no Gaskets	S - Silicone	(Blank) - No insert		
10 - 10"/254mm	0.65 - 0.65µm	B - DOE with Gaskets	B - DOE with Gaskets	E - EPDM	P - PBT		
20 - 20"/508mm	0.80 - 0.8µm	C - 226	F - Flat	V - Viton	S - St. St.		
30 - 30"/762mm	001 - 1µm	D - 222	S - Spear				
40 - 40"/1016mm	003 - 3µm	E - 222 Sartorius (3 tabs)					
	005 - 5µm	J - Junior 214					
	010 - 10µm	K - Junior 216					
	020 - 20µm						

(*) Other sizes available