

OPTIPLEAT

NOMINAL PLEATED POLYPROPYLENE FILTER

Made of all polypropylene pleated microfiber, providing great filtration performance with lower cost.

Higher flow rates, dirt holding capacity and filtration efficiency make it the optimal solution for the pre-filtration of liquids.



FEATURES AND BENEFITS

- Lasting and reliable high filtration efficiency
- Broad chemical compatibility makes it suited for various kinds of acids, bases, and solvents
- Pleated surface area provides superior flow rate and extended service life
- Welded design eliminates the need for adhesive which can be a contaminate source
- Available in nominal ratings from 0.1µm to 70µm for a range of precise size removal
- 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: Infusion solution, biological product, fermentation broth, process water, RO water

TECHNICAL SPECIFICATIONS

CARTRIDGE DIMENSIONS

- Outer diameter: 68mm / 2.67"
- 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): 304 stainless steel or PBT (autoclave)
- Standard O' ring/gaskets: Silicone, EPDM or Viton

EFFECTIVE FILTRATION AREA (EFA)

- 0.51m² / 5.48ft² - Ø 68mm / 2.67" per 10" / 254mm



OPERATING CONDITIONS	
Maximum Operating Temperature	80°C
Maximum Differential Pressure	4bar / 58psi @ 21°C / 69.8°F 2.4bar / 34.8psi @ 80°C / 176°F
Steaming Sterilize (Autoclave)	121°C / 30min
Flow Hot Water Sterilize	85°C / 30min

ORDERING INFORMATION

GRADE	LENGTH	MICRON (*)	END CAP (inf)	END CAP (sup)	GASKETS	END CAP INSERT
G - General	5 - 5"/127mm	0.10 - 0.1µm	A - DOE no Gaskets	A - DOE no Gaskets	S - Silicone	(Blank) - No insert
F - F & B	10 - 10"/254mm	0.45 - 0.45µm	B - DOE with Gaskets	B - DOE with Gaskets	E - EPDM	P - PBT
P - Pharmaceutical	20 - 20"/508mm	001 - 1µm	C - 226	F - Flat	V - Viton	S - St. St.
	30 - 30"/762mm	003 - 3µm	D - 222	S - Spear		
	40 - 40"/1016mm	005 - 5µm	E - 222 Sartorius (3 tabs)			
		010 - 10µm	J - Junior 214			
		020 - 20µm	K - Junior 216			

* Other micron available