

This multi-layer cartridge is an all-polypropylene pleated depth filter cartridge.

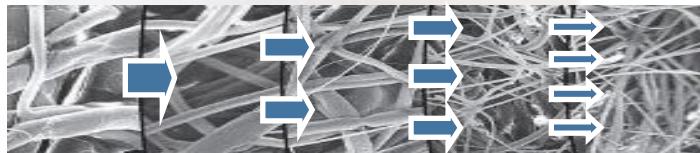
The design adopts depth filter technology for a grade pore size, higher dirt holding capacity, avoids filter surface jams, and eliminates high viscosity contaminants (gels and agglomerates).

The graded pore size distribution from coarse (upstream) to fine (downstream) which removes particles gradually and extends the filter's service life making it especially suited for high suspended particles, colloids and viscous liquids.



### FEATURES AND BENEFITS

- Micron rating range from 0.5 to 40µm
- Media constructed of 5-7 layers with a larger pore size on the upstream and a smaller pore size on the downstream. This enables additional particle loading and high dirt holding capacity



- Multi-layer fiber media eliminates particles according to pore size distribution and significantly increases lifetime
- Excellent removal of contaminant capabilities, including gels and agglomerates
- Superior chemical compatibility
- All materials used meet the following safety requirements:
  - Meets USP <88> Class VI - 121°C plastics
  - Meets FDA Title 21 CFR Sec. 170-189 and European Regulation (EC) number 1935/2004 for Food Contact
  - Meets FDA 21 CFR Sec. 210.3(b)(6) related to no fiber release for filters

### 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: Multi-layer Nano Fiber Polypropylene
- Support layers: Polypropylene
- Core/Cage/End Caps: Polypropylene
- End cap insert (optional): SS304 / PBT (Autoclave)
- Standard O' ring/gaskets: Silicone, EPDM, Viton

#### EFFECTIVE FILTRATION AREA (EFA)

- $\geq 0.26\text{m}^2 / 2.79\text{ft}^2 \text{ } \varnothing 68 - 10'' / 254\text{mm} \times \text{Layers}$

OPERATING CONDITIONS	
Maximum Operating Temperature	80°C
Maximum Differential Pressure	4bar / 58psi @ 21°C / 69.8°F 2.1bar / 30.45psi @ 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
P - Pharmaceutical	05 - 05"/127mm	0.50 - 0.5µm	A - DOE no Gaskets	A - DOE no Gaskets	S - Silicone	(Blank) - No insert
F - Food & Beverage	10 - 10"/254mm	001 - 1µm	B - DOE with Gaskets	B - DOE with Gaskets	E - EPDM	P - PBT
	20 - 20"/508mm	002 - 2µm	C - 226	F - Flat	V - Viton	S - St. St.
	30 - 30"/762mm	005 - 5µm	D - 222	S - Spear		
	40 - 40"/1016mm	010 - 10µm	E - 222 Sartorius (3 tabs)			
		020 - 20µm	J - Junior 214			
		040 - 40µm	K - Junior 216			