PREMIER PLEAT GLASS FIBRE
PPG

SPECTRUM™
Technical Datasheet

Materials of Construction

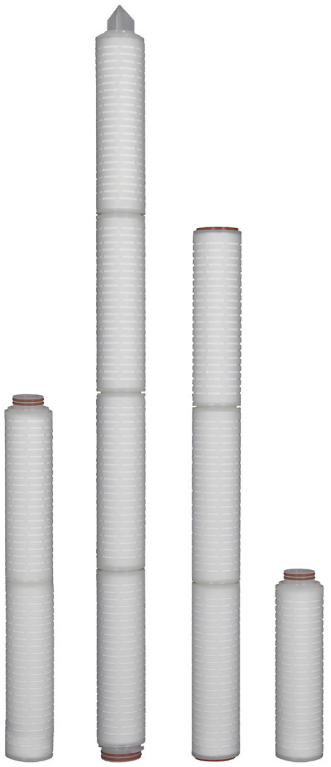
Filter Media:	Glass fibre
Support Media:	Polypropylene
End Cap:	Polypropylene
Core:	Polypropylene
Cage:	Polypropylene
Seal:	Silicone (EPDM/Viton)

Certification

1. Independently tested and Certified to NSF/ANSI Standard 53 for cryptosporidium reduction.
2. BS6920 compliant materials.

Construction Notes

1. Constructed from borosilicate laboratory grade glass fibre for high purity and strength.
2. Cartridges are formed around a polypropylene core, with the media protected by a polypropylene cage and thermally welded end caps.
3. Cartridges are thermally bonded as opposed to glued ensuring no leaching of adhesives into the filter stream.

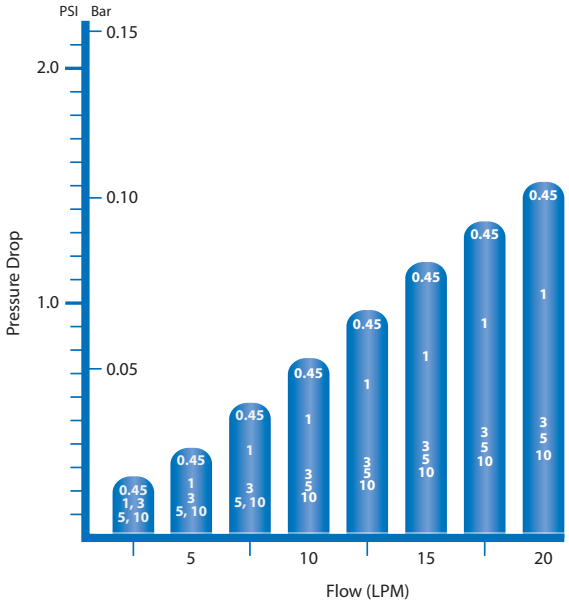


Technical Data

Micron Ratings (µ)	0.45, 1, 3, 5, 10
Lengths (")	9¾, 20, 30, 40
Outer Diameter (")	2.7 (68.5mm)
Inner Diameter (")	1.2 (31.4mm)
Surface Area (m^2) (per 10")	0.6
Maximum Operating Temperature (°C)	80 at 1 bar
Maximum Sterilising Temperature (°C)	120 max. 5 x 20 minute cycles
Maximum Operating Pressure Differential (bar)	4
Maximum Reverse Pressure Differential (bar)	2
Avg. Efficiency (%)	99.98 (Beta 5000)

Flow Rate vs. Pressure Drop

Pressure drop data obtained using water at 20°C per 10" filter. Data represented using its micron rating in the chart below.



End Cap Configurations

Standard Filter Length (")	Total Filter Length Including End Cap Configurations (nominal mm)								
	AA	CG	EG	EH	FG	FH	MH	QG	ZH
9¾	248	-	-	-	-	-	-	-	-
20	508	500	515	565	515	565	565	515	565
30	750	-	770	815	770	815	815	770	815
40	1000	-	1015	1065	1015	1065	1065	1015	1065

Premier Pleat Range

Also available from the SPECTRUM Premier Pleat family:

Premier Pleat Polypropylene (PPP)
Premier Pleat Glass Fibre (PPG)
Premier Pleat Polyethersulfone (PPPES)