

Materials of Construction

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

Certification

- WRAS approved.
- BS6920 compliant.

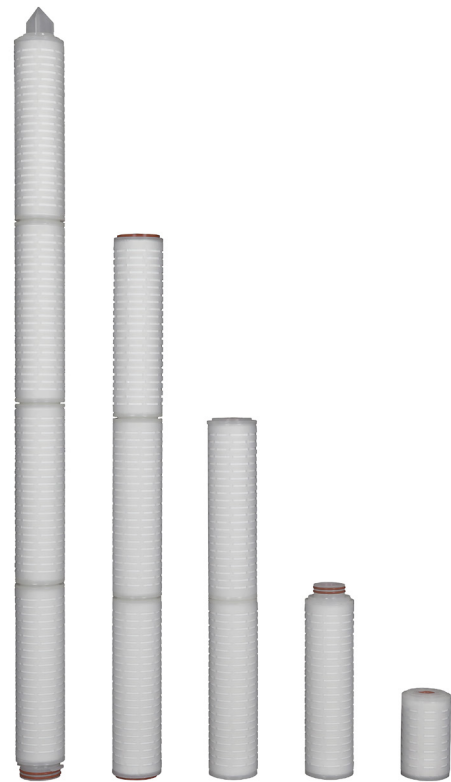


Construction Notes

- Constructed from pleated melt-blown filter media that provides removal of particles from 0.1µ to 100µ.
- Cartridges are formed around a polypropylene core, with the media protected by a polypropylene cage and thermally welded end caps.
- Cartridges are thermally bonded as opposed to glued ensuring no leaching of adhesives into the filter stream.

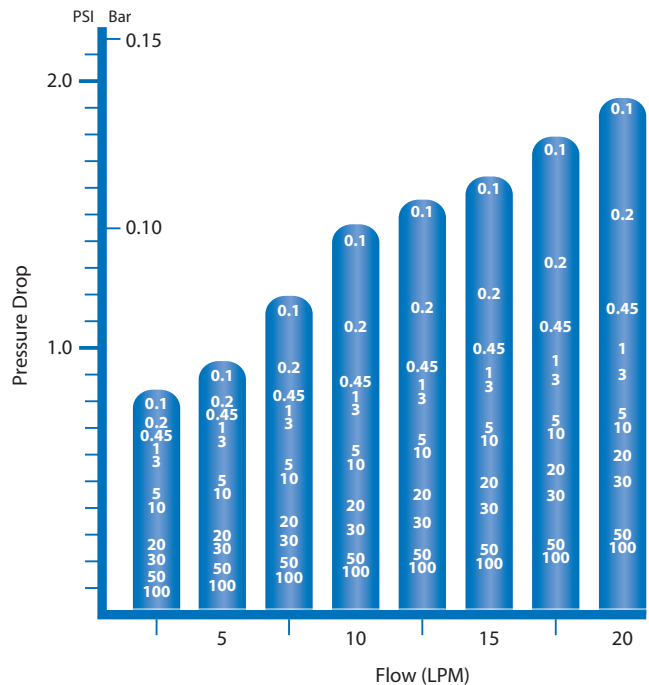
Technical Data

Micron Ratings (µ)	0.1, 0.2, 0.45, 1, 3, 5, 10, 20, 30, 50, 100
Lengths (")	4 ⁷ / ₈ , 9 ³ / ₄ , 10, 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. 5x 20 minute cycles
Maximum Operating Pressure Differential (bar)	4
Maximum Reverse Pressure Differential (bar)	2
Avg. Efficiency (%)	96.5



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
4 ⁷ / ₈	125	114	-	-	-	-	-	-	-
9 ³ / ₄	248	-	-	-	-	-	-	-	-
10	-	242	270	310	270	310	310	270	310
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

Efficiency

Pore Size	Retention Efficiency %										
	0.1μ	0.2μ	0.45μ	1μ	3μ	5μ	10μ	20μ	30μ	50μ	100μ
0.1μ	95	96	98	98+	99	99+					
0.2μ	93	95	97	98	98+	99+					
0.45μ	82	83	96	97	98	99	99+				
1μ	80	82	94	96	97	98	99	99	99+		
3μ	30	59	82	86	97	97+	98+	98+	99	99	
5μ				47	90	97	98	98+	99	99	99
10μ					30	57	98	98	98+	99	99
20μ					29	56	91	98	98+	98+	99
30μ					28	55	90	97	98	98	98+
50μ					26	54	89	96	97	97+	98+
100μ							29	48	89	94	98

Particle removal efficiencies are determined using AC Fine Test Dust dispersed in water at a constant flow rate up to a differential pressure of 2.75 bar

Premier Pleat Range

Also available from the SPECTRUM Premier Pleat family:

- Premier Pleat Polypropylene (PPP)
- Premier Pleat Polypropylene Junior (PPP)
- Premier Pleat Glass Fibre (PPG)
- Premier Pleat Polyethersulfone (PPES)