

Materials of construction

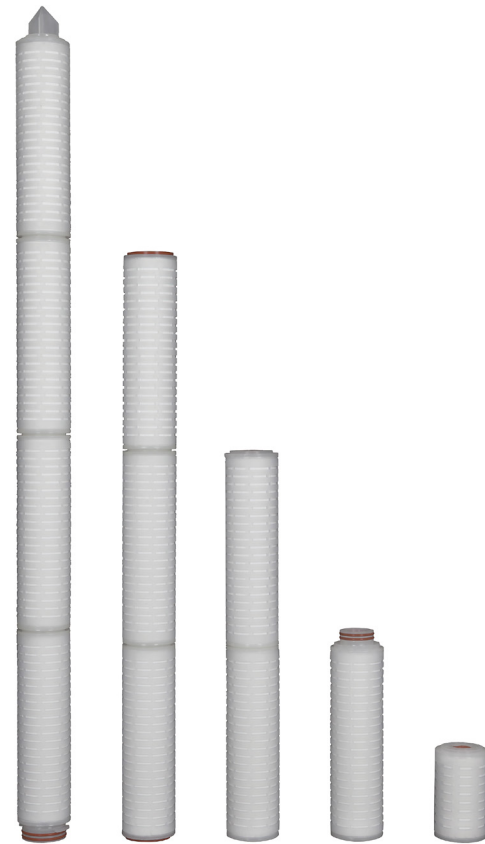
Filter Media:	Polypropylene
Support Media:	Polypropylene
End Cap:	Polypropylene
Core:	Polypropylene
Cage:	Polypropylene
Seal:	Silicone (EPDM/Viton)

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

Certification

- WRAS approved
- BS6920 compliant
- FDA approved materials

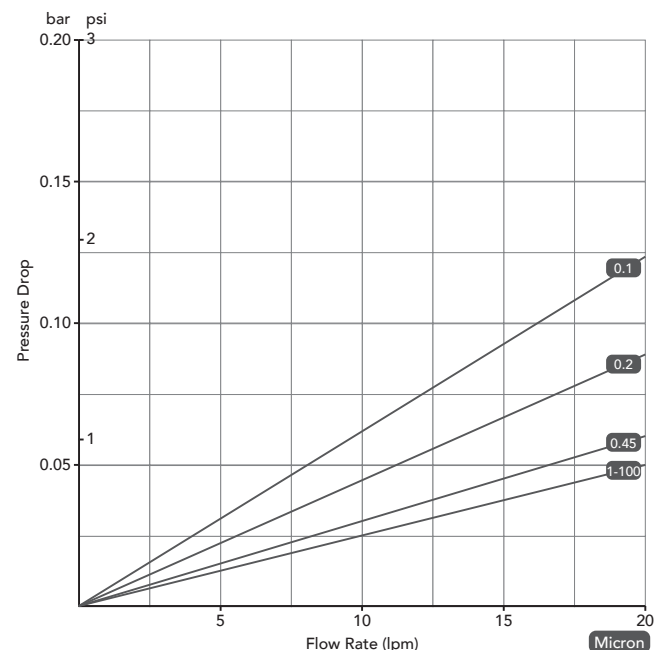


Technical Data

Micron Ratings	0.1, 0.2, 0.45, 1, 3, 5, 10, 20, 30, 40, 50, 100 µm
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	0.6m ² (6.5ft ²) per 10"
Maximum Operating Temperature	80°C (176°F) at 1 bar (15psi)
Maximum Sterilising Temperature	120°C (248°F) max. 5x20 minute cycles
Maximum Operating Pressure Differential	4 bar (58psi)
Maximum Reverse Pressure Differential	2 bar (29psi)
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.



Efficiency

Retention Efficiency											
Pore Size	0.1µm	0.2µm	0.45µm	1µm	3µm	5µm	10µm	20µm	30µm	50µm	100µm
0.1µm	95	96	98	98+	99	99+					
0.2µm	93	95	97	98	98+	99+					
0.45µm	82	83	96	97	98	99	99+				
1µm	80	82	94	96	97	98	99	99	99+		
3µm	30	59	82	86	97	97+	98+	98+	99	99	
5µm				47	90	97	98	98+	99	99	99
10µm					30	57	98	98	98+	99	99
20µm					29	56	91	98	98+	98+	99
30µm					28	55	90	97	87	98	98+
50µm					26	54	89	96	97	97+	98+
100µm							29	48	89	94	98

End Cap Configurations

Total Filter Length Including End Cap Configurations (nominal mm) ±2mm									
Standard Filter Length	AA	CG	EG	EH	FG	FH	MH	QG	ZH
4%	125	114	-	-	-	-	-	-	-
9%	248	-	-	-	-	-	-	-	-
10	-	243	270	310	270	310	310	270	310
20	508	500	519	560	520	561	565	519	561
30	750	-	769	812	770	815	815	769	815
40	1000	-	1018	1060	1019	1062	1065	1018	1062