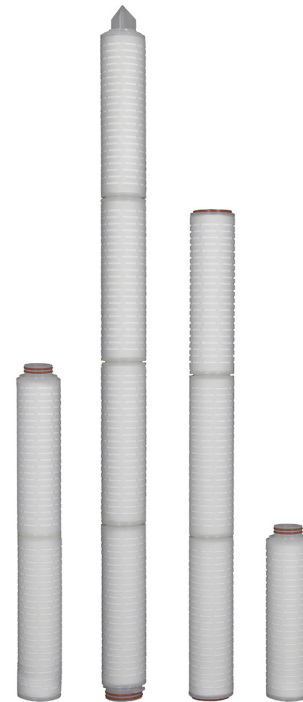


Technical Data

Micron Ratings μm	0.05, 0.1, 0.2, 0.45, 0.65
Lengths "	9 $\frac{3}{4}$, 10, 20, 30, 40
Outer Diameter " (mm)	2.7 (68.5)
Inner Diameter " (mm)	1.2 (31.4)
Surface Area per 10" m ²	0.55
Maximum Operating Temperature at pressure °C	82 at 1 bar
Maximum Sterilising Temperature °C (°F)*	121°C 20 x 30 minute cycles
Maximum Operating Pressure Differential bar (psi)	4 (58)
Maximum Reverse Pressure Differential bar (psi)	2 (29)
Efficiency %	99.99999 (log 7)

*Requires Stainless Steel encapsulated end-caps Q (222) and Z (226)- not applicable for BB



Materials of Construction

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

Features & Benefits.

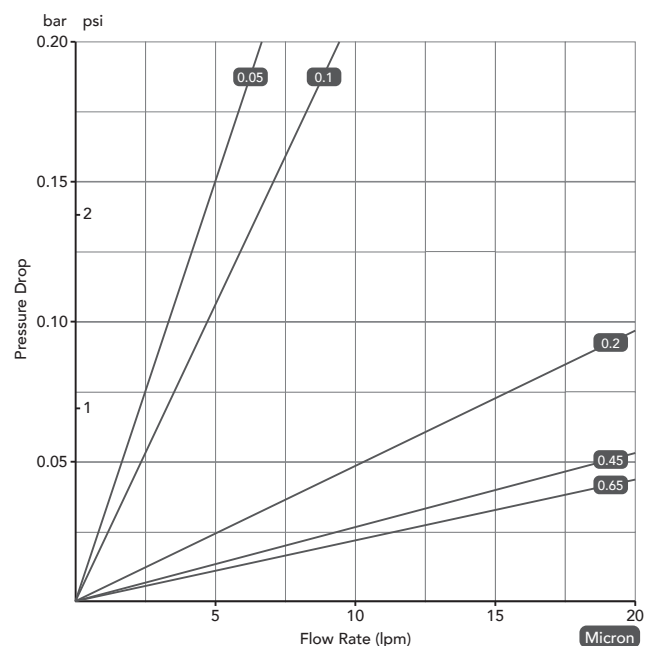
- Cartridges are formed around a polypropylene core, with the media protected by a polypropylene cage and thermally welded end-caps.
- The absolute rated graded density membrane used in the PPES ensures 99.99999% retention of bacteria.

Quality Standards

WRAS approved materials
 BS6920 compliant
 FDA compliant materials
 USP class VI-121°C plastics

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.



Particulate Retention Efficiency

		Bacteria Retention Efficiency				
		0.05µm	0.1µm	0.2µm	0.45µm	0.65µm
Cartridge Micron Rating	0.05µm	99.99998%	99.99999%	99.999998%	99.999999%	99.9999996%
	0.1µm	99.9998%	99.99996%	99.99999%	99.999998%	99.999999%
	0.2µm	99.999%	99.987%	99.9999%	99.999992%	99.999998%
	0.45µm	99.98	99.981%	99.992	99.99999%	99.999992%
	0.65µm	99.9%	99.91%	99.98%	99.9999%	99.99999%

Dimensions

Standard Filter Length "	Total Filter Length Including End-Cap Configurations (nominal mm) ±2mm								
	AA	CG	EG	EH	FG	FH	MH	QG	ZH
9¾	248	-	-	-	-	-	-	-	-
10	-	241	270	310	270	310	310	270	310
20	508	506	520	560	520	560	560	520	560
30	750	-	770	810	770	810	810	770	810
40	1000	-	1020	1060	1020	1060	1060	1020	1060

Part Number Guide

Product	Micron Rating µm	Length "	End-cap	Seal Material
PPES	0.05	9¾	AA - Double open ended	S - Silicone E - EPDM V - Viton
	0.1	10	CG - 213 / Recessed end	
	0.2	20	EG - 222 / Recessed end	
	0.45	30	EH - 222 / Fin	
	0.65	40	FG - 226 / Recessed end	
			MG - 224 / Recessed end	
			MH - 224 / Fin	
			QG - 222 / Recessed end	
			ZH - 226 / Fin	

e.g. PPES-0.2-10 CGS