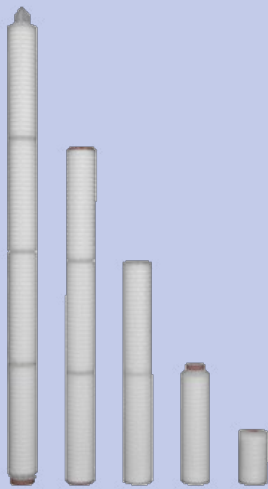


Premier Pleat Polypropylene

PPP | Cartridge Filters



Construction Notes

- Constructed from pleated melt-blown filter media that provides removal of particles from 0.1 μ to 100 μ .
- 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.

Key Features

- Low pressure drop
- Excellent dirt holding capacity
- Graded density decreases blinding
- Excellent temperature / oil resistance
- Provides lower total cost of filtration

Veolia's range of cartridge filter elements are available in various specifications to suit your seawater filtration needs at competitive rates.

For pricing and part numbers please contact your local office.

Materials of Construction

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

Technical Data

Micron Ratings (μ)	0.1, 0.2, 0.45, 1, 3, 5, 10, 20, 30, 50, 100
Lengths (")	4 $\frac{1}{4}$, 9 $\frac{3}{4}$, 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
Avg. Efficiency (%)	99+%

PREMIUM PLEAT POLYPROPYLENE – CARTRIDGE FILTERS

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%	125	114	-	-	-	-	-	-	-
9%	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

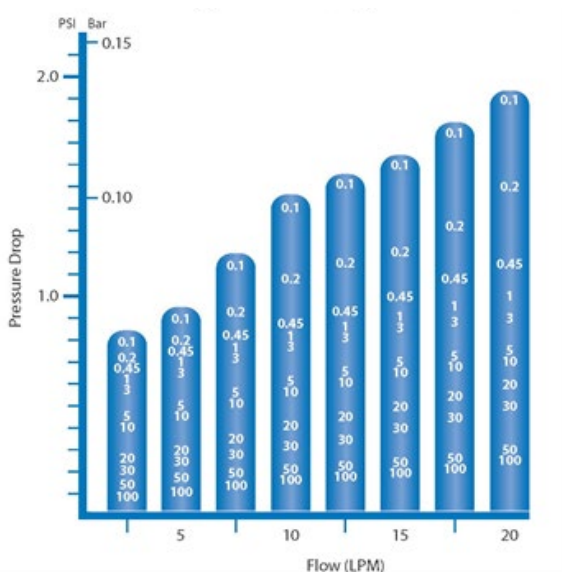
Pleated End cap Configurations	
A	Open end
C	213
E	222/ M-224 Q-222 with stainless support
F	226 Z-226 with stainless support
G	Closed recessed end
H	Fin

Note AA (double open ended) is standard.
Seal material is silicone as standard

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	

Flow Rate vs. Pressure Drop



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

VWS Westgarth

Services Department • Orbital House
3 Redwood Crescent • East Kilbride
Scotland, G74 5PR
Tel: + 44 1355 588024

VWS Brazil Ltda

Services Department • Rua Lauro Muller,
116. Sala 3802. Botafogo. RJ • Brasil
Tel: +55 (21) 2004-1428

Veolia Water Oil & Gas Angola

Services Department • Viana Park, Pavilhao
Nº1 Quarteirão 9, Estrada do Calumbo
Polo Industrial de Viana • Angola
Tel: +244 222 711 799