

Premier Pleat Polypropylene

Many applications benefit from using the high efficiency, large surface area and inert properties of this WRAS approved Polypropylene cartridge.

The 4 layers used to construct the pleat pack offer depth characteristics and when combined with the sharp cut-off of the 98% efficient main filtration layers, offer high dirt holding to optimise service lifetime.

High flow and low pressure drop is achieved due to the large surface (0.6m² per 10") which is up to 50% greater than industry standard cartridges. The media is also available in a wide range of micron ratings to suit the requirements of the application.

The rigid industrial cage and core prevents damage to the media whilst handling and wearing of the media during service meaning the pleat pack stays strong and effective.

All standard thermally bonded end-cap varieties are available, please see options listed opposite. For non-standard end-caps, please discuss with your technical representative who will be able to assist.

Standard lengths are available from 47/8" to 40" and the range also includes a junior style cartridge for specialist housings (available with 120 end-cap option).

Cleanliness is assured from the vacuum packed inner plastic wrap, which is then further protected by tough outer heat sealed plastic packaging. Each cartridge is individually labelled and boxed which prevents confusion during installation of multiple cartridges.

Key product features

- WRAS approved and FDA compliant
- 95% to 98% high efficiency with sharp cut-off media
- 4 layers of media for high dirt holding capability
- Large surface area (0.6m² per 10") for high flow, low pressure drop
- Double bagged and individually boxed and labelled
- Wide range of lengths and micron ratings

Particulate retention efficiency %

Pore size	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

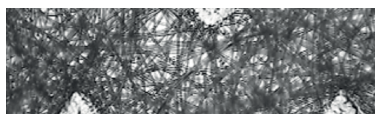
Particle removal efficiencies are determined using AC fine test dust dispersed in water at a constant flow rate up to a differential pressure of 2.75 bar.



4 layer pleated media

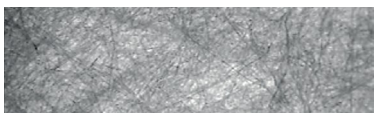
Outer support pre-filtration layer

1



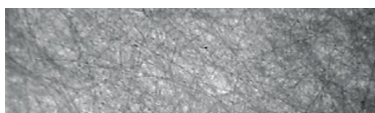
First polypropylene main filtration layer

2



Finer secondary polypropylene main filtration layer

3



Post-filtration support layer

4



Dependable and consistent particle removal

Polypropylene

82°C



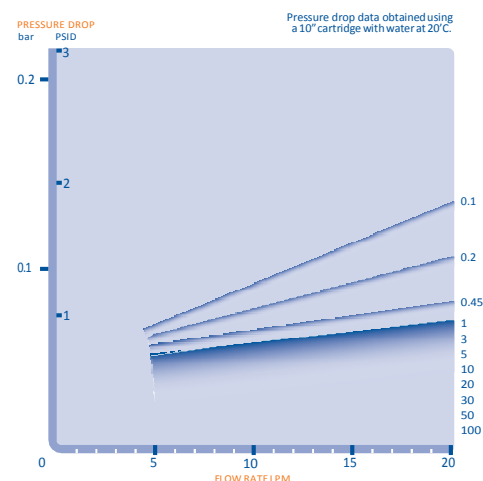
0.1 0.2 0.45 1 3 5 10 20 30 50 100

47/s 5 9% 10 20 30 40

AA CG EG EH FG FH MH QG ZH 120

Silicone = S EPDM = E Viton = V

PPP flow rate chart



Technical information

Product Code	Micron (μ)	Length (")
PPP - μ - 47/a	0.1, 0.2, 0.45, 1, 3, 5, 10, 20, 30, 50, 100	47/a
PPP - μ - 9%AAS	0.1, 0.2, 0.45, 1, 3, 5, 10, 20, 30, 50, 100	9%
PPP - μ - 10	0.1, 0.2, 0.45, 1, 3, 5, 10, 20, 30, 50, 100	10
PPP - μ - 20	0.1, 0.2, 0.45, 1, 3, 5, 10, 20, 30, 50, 100	20
PPP - μ - 30	0.1, 0.2, 0.45, 1, 3, 5, 10, 20, 30, 50, 100	30
PPP - μ - 40	0.1, 0.2, 0.45, 1, 3, 5, 10, 20, 30, 50, 100	40
PPP - μ - 5 - 120S	1, 5, 10	5
Viton open end A gasket x2		
Q and Z end-caps		

PPP- micron - length end-cap seal e.g. PPP-5-20AAS

e.g. PPP-5-20AAS-BOX

End-cap configurations

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



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