



## PROPLEAT PP Filter Cartridges

- liquid filters
- polypropylene

PROPLEAT PP cartridges have been developed to bridge the gap between meltblown depth filters and absolute rated pleated media filters.

Their continuous length and all-polypropylene construction results in a robust yet economical design that maximizes the effective filtration area and provides wide chemical compatibility, coupled with low extractable levels.

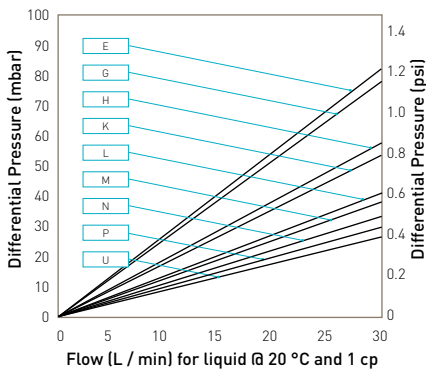
All PROPLEAT PP cartridges exhibit 99% efficiency at their given retention rating, providing consistent and economical clarification in a diverse range of applications.

### Features and Benefits

- Continuous length rigid sleeve and core provide high strength during normal and reverse flow operations
- Retention ratings to suit a wide range of clarification applications
- Excellent chemical compatibility
- Elevated temperature option available for hot water sanitization and steam sterilization



### Performance Characteristics



Cartridge flow rates

## Specifications

### Materials of Construction

- Filtration Media: Polypropylene
- Upstream Support: Polypropylene
- Downstream Support: Polypropylene
- Inner Support Core: Polypropylene
- Outer Protection Cage: Polypropylene
- End Caps: Polypropylene
- End Cap Insert (if specified): 316L Stainless Steel\*  
\*Not available in B & L endcap variants
- Standard o-rings/gaskets: Silicone / EPDM

### Food and Biological Safety

Materials conform to the relevant requirements of 21CFR Part 177, EC1935 / 2004 and current USP Plastics Class VI - 121 °C and ISO10993 equivalents.

### Recommended Operating Conditions

Up to 60 °C (140 °F) continuous operating temperature and higher short-term temperatures during CIP to the following limits:

Temperature °C	Temperature °F	Max. Forward dP (bar)	Max. Forward dP (psi)
20	68	5.0	72.5
40	104	4.0	58.0
60	140	3.0	43.5
80	176	2.0	29.0
90	194	1.0	14.5
>100 (steam)	>212 (steam)	0.3	4.0

### Effective Filtration Area (EFA)

40" (1000 mm) 2.2 m<sup>2</sup> (23.2 ft<sup>2</sup>)

### Cleaning and Sterilization

PROPLEAT PP cartridges can be repeatedly in situ steam sterilized or autoclaved at up to 121 °C (250 °F). They can be sanitized with hot water at up to 90 °C (194 °F) and are compatible with a wide range of chemicals.

For detailed operational procedures and advice on cleaning and sterilization, please contact the Technical Support Group through your usual Parker domnick hunter contact.

### Retention Characteristics

The retention characteristics of PROPLEAT PP have been determined by a single-pass technique using suspension of ISO 12103 Part 1 A2 Fine and A4 Coarse test dust in water.

Media Code Ø ratio	99% & approximate ratings at lower efficiencies		
	99% 100	95% 20	90% 10
E	0.8	0.7	0.6
G	1.0	0.9	0.7
H	3.5	2.3	1.0
K	4.8	3.8	2.8
L	7.2	6.0	4.5
M	10.0	8.0	6.0
N	12.0	9.0	7.0
P	18.0	13.0	10.0
U	40.0	30.0	25.0

### Recommended Rinse Volume

Prior to use - 10 litres per 10" (250 mm) cartridge.

### Minimum Box Quantities

All cartridges supplied in boxes of 6.

### Dimensions

- Nominal Outside Diameter:  
2.8" (70 mm) C,D,E,R Style  
2.5" (64 mm) B,L Style
- Nominal Inside Diameter:  
1.1" (28 mm)

### Standard Lengths (DOE seal to seal) - mm (inch)

Length	B Style	L Style
1	9 7/8" (250 mm)	9 7/8" (250 mm)
2	19 1/2" (498 mm)	20" (508 mm)
3	29 3/8" (746 mm)	30 1/8" (766 mm)
4	39 1/8" (994 mm)	40" (1014 mm)

## Ordering Information

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Code   Length (Nominal)	Retention Rating	Code   Endcap (10")	Code   Seal	Code   Option
1 10" (250 mm)	E	B dh DOE	E EPDM	S Hot Water / Steam Option
2 20" (500 mm)	G	C BF / 226 Bayonet	S Silicone	
3 30" (750 mm)	H	D Fin / 222		
4 40" (1000 mm)	K	E Flat / 222		
	L	L Extended DOE		
	M	R Fin / 222 Bayonet		
	N			
	P			
	U			

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**Map and Directions to Prosep Filters Limited**



Leave M62 at Junction 24.

At roundabout adjacent to Cedar Court Hotel take 2nd exit onto dual carriageway (A629), signposted Halifax.

Take 1st exit slip road.

At roundabout at end of sliproad, take 3rd exit off.

This is the entrance to Lowfields Business Park.

Proceed straight over 1st roundabout.

At next roundabout take 2nd exit onto River Bank Way - Prosep Filters can be found on the left after the S-bend.

[Link to Google Maps](#)