



PB Series Pleated Bag Filter Cartridges

- liquid filters

Parker domnick hunter's new PB Series Pleated Bag is a high-capacity product line that provides a cost-effective alternative with higher removal efficiencies over standard bag media configurations.

Utilising Parker domnick hunter's unique 'Select' pleat design along with our proprietary media configurations, we are able to optimise the pleat pack surface area to maximise the service life within each configuration. The PB series filters are available in several polypropylene formats: Poly-Mate Plus, Poly-Mate and Claripor. In addition, it is available with our Glass-Mate media.

This product is designed to fit within existing bag filter vessels, including our SB, FB, CB series without any hardware changes and incorporates an easy-to-grasp intergrated handle for quick removal.

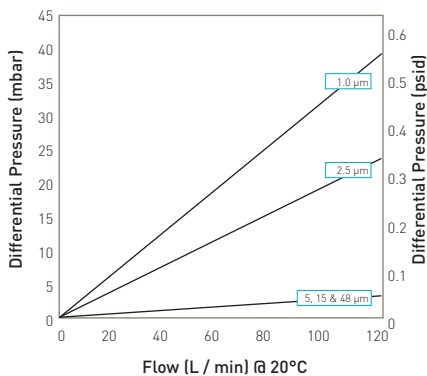
Features and Benefits

- High capacity reduces the number of filters required resulting in fewer changeouts and lower filtration costs.
- High capacity allows for smaller housings and less capital expenditure
- Inside / outside flow captures and retains contaminants to eliminate potential fouling downstream
- Range of sealing configurations meets the majority of housing requirements
- Several media types are available for a wide variety of applications
- Polypropylene cartridges listed as acceptable for portable and edible contact according to CFR Title 21



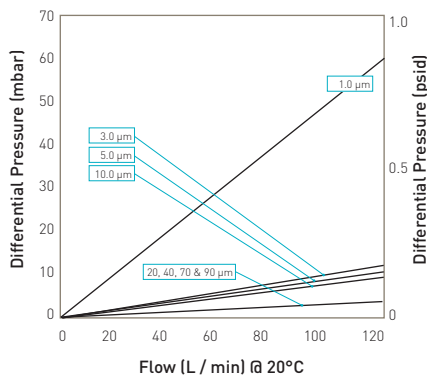
Performance Characteristics

PMPB Pleated bag flow rate



Size 1 Bags

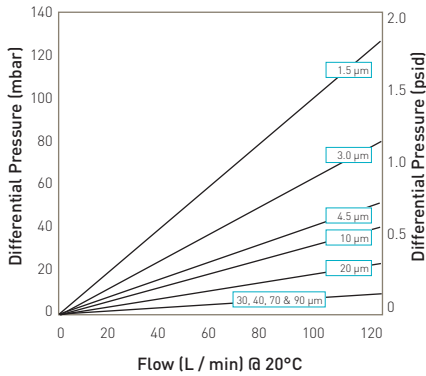
PPPB Pleated bag flow rate



Size 1 Bags

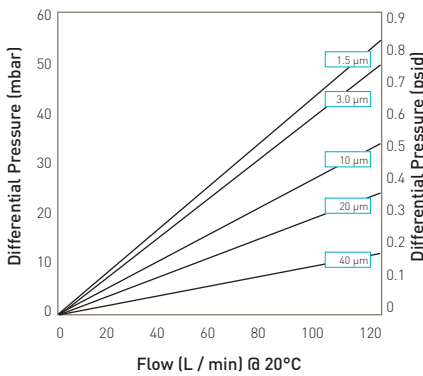
Performance Characteristics

CPPB Pleated bag flow rate



Size 1 Bags


GMPB Pleated bag flow rate



Size 1 Bags

Specifications

Materials of Construction

- Structural components: Polypropylene
- Support / Drainage: Polypropylene
- Filtration Media: Polypropylene
Poly-Mate Plus
Claripor
Poly-Mate
Borosilicate Microfiber
Glass-mate
- Seal Material: EPDM
Buna-N
Viton
- Select Pleating: 

Recommended Operating Conditions

Poly-Mate Plus, Poly-Mate, Claripor:
4.8 barg (70 psid) @ 25°C (77°F)
2.4 barg (35 psid) @ 54°C (130°F)

Glass-Mate
2.8 barg (40 psid) @ 25°C (77°F)
1.0 barg (15 psid) @ 79°C (175°F)

Recommended Flow Rate

For optimum performance
P1 - 95 L/min (25 gpm)
P2 - 189 L / min (50 gpm)

Maximum Flow Rate

P1 - 189 L / min (50 gpm)
P2 - 379 L / min (100 gpm)

Recommended Change-out Differential Pressure

2.41 barg (35 psid)

Dimensions (Nominal)

Outside Flange Diameter: 184 mm (7.25")
Outside Filter Diameter: 152 mm (6")

Length

Size 1 Bag: 292 mm (11.5")
Size 2 Bag: 622 mm (24.5")

Size (Nominal)

C: 190 mm (7.50")
G: 181 mm (7.12")

PB Efficiencies (based on 95 lpm for Size 1 Bags)

| Poly-Mate (PMPB) | | | Poly-Mate Plus (PPPB) | | | Claripor (CPPB) | | | Glass-Mate (GMPB) | | |
|------------------|--------------|--------------|-----------------------|--------------|-----------------|-----------------|--------------|-----------------|-------------------|--------------|-----------------|
| PN Micron | Effic. @ 95% | Effic. @ 99% | PN Micron | Effic. @ 90% | Effic. @ ≥99.9% | PN Micron | Effic. @ 90% | Effic. @ ≥99.9% | PN Micron | Effic. @ 90% | Effic. @ ≥99.9% |
| 1 | 0.2 | 1 | 1 | 0.45 | 1.4 | 1.5 | 0.7 | 1.5 | 1.5 | 1 | 1.5 |
| 2.5 | 1 | 2.5 | 3 | 1 | 2.5 | 3 | 1 | 3 | 3 | 1.6 | 3 |
| 5 | 3 | 5 | 5 | 2 | 5 | 4.5 | 3.5 | 4.5 | 10 | 5 | 10 |
| 15 | 8 | 15 | 10 | 4 | 10 | 10 | 4 | 10 | 20 | 12 | 20 |
| 48 | 32 | 48 | 20 | 12 | 20 | 20 | 12 | 20 | 40 | 20 | 40 |
| | | | 40 | 20 | 40 | 30 | 16 | 30 | | | |
| | | | 70 | 35 | 70 | 40 | 18 | 40 | | | |
| | | | 90 | 60 | 90 | 70 | 25 | 70 | | | |
| | | | | | | 90 | 40 | 90 | | | |

Pleated Bag Configuration Options

Claripor CPPB

The PB Clairpor offers the best of pleated and depth style technologies. The unique depth layer construction provides higher retention, longer service life, and excellent gel removal. These features, in addition to the PB Claripor's high contaminant holding capacity and exceptional clarifying ability make it an ideal choice for a wide array of critical process applications.

Poly-Mate PMPB

The PB Poly-Mate incorporates a unique combination of polypropylene meltblown and spun-bonded media to provide a high surface area, finish-free and non-fibre releasing filtration.

Poly-Mate Plus PPPB

The PB Poly-Mate Plus filters are made with a pleated polypropylene microfibre which provides high efficiency and high purity filtration. The PB Poly-Mate Plus media configuration makes it an ideal membrane pre-filter or cost effective alternative to membrane filters in a variety of applications.

Glass-Mate GMPB

The PB Glass-Mate offers an economical choice for applications requiring high quality filtration, and long service life. The laminated media / support layer maximises flow capacity and eliminates media migration.

Applications


- Intermediates and fine chemicals
- Commercial water
- Catalyst recovery
- Paints and inks

PB Series Pleated Bag Series Filter Cartridges

Ordering Information

Poly-Mate


PMPB



| Code Micron | Bag Length | Code Description | Code Ring Style | Code Seal A, B, C and D only) |
|---------------|------------|--------------------|--|---------------------------------|
| 010 1 | 1 | P Polypropylene | CQ Plastic: 'Q' Parker Top Sealing | N Buna N E EPDM V Viton* |
| 025 2.5 | 2 | | CA Elastometric: Parker | |
| 050 5 | | | GQ Plastic: 'Q' Competitive Top Sealing | |
| 150 15 | | | GB Elastometric: GAF /FSI Side Entry Seal | N Buna N E EPDM V Viton* |
| 480 48 | | | GC Elastometric: Pall / FTC | |
| | | | GD Elastometric: FSI / Hayward Over the Top Seal | |

Poly-Mate Plus


PPPB



| Code Micron | Bag Length | Code Description | Code Ring Style | Code Seal A, B, C and D only) |
|---------------|------------|--------------------|---|--|
| 010 1 | 1 | P Polypropylene | CQ Plastic: 'Q' Parker Top Sealing | N Buna N E EPDM V Viton* |
| 030 3 | 2 | | CA Elastometric: Parker | |
| 050 5 | | | GQ Plastic: 'Q' Competitive Top Sealing | |
| 100 10 | | | GB Elastometric: GAF /FSI Side Entry Seal | N Buna N E EPDM V Viton* |
| 200 20 | | | GC Elastometric: Pall / FTC | |
| 400 40 | | | | GD Elastometric: FSI / Hayward Over the Top Seal |
| 700 70 | | | | |
| 900 90 | | | | |

Claripor


CPPB



| Code Micron | Bag Length | Code Description | Code Ring Style | Code Seal A, B, C and D only) |
|---------------|------------|--------------------|---|--|
| 015 1.5 | 1 | P Polypropylene | CQ Plastic: 'Q' Parker Top Sealing | N Buna N E EPDM V Viton* |
| 030 3 | 2 | | CA Elastometric: Parker | |
| 045 4.5 | | | GQ Plastic: 'Q' Competitive Top Sealing | |
| 100 10 | | | GB Elastometric: GAF /FSI Side Entry Seal | N Buna N E EPDM V Viton* |
| 200 20 | | | GC Elastometric: Pall / FTC | |
| 300 30 | | | | GD Elastometric: FSI / Hayward Over the Top Seal |
| 400 40 | | | | |
| 700 70 | | | | |
| 900 90 | | | | |

Glass-Mate

GMPB



| Code Micron | Bag Length | Code Description | Code Ring Style | Code Seal A, B, C and D only) |
|---------------|------------|--------------------|---|--|
| 015 1.5 | 1 | P Polypropylene | CQ Plastic: 'Q' Parker Top Sealing | N Buna N E EPDM V Viton* |
| 030 3 | 2 | | CA Elastometric: Parker | |
| 100 10 | | | GQ Plastic: 'Q' Competitive Top Sealing | |
| 200 20 | | | GB Elastometric: GAF /FSI Side Entry Seal | N Buna N E EPDM V Viton* |
| 400 40 | | | GC Elastometric: Pall / FTC | |
| | | | | GD Elastometric: FSI / Hayward Over the Top Seal |

Parker domnick hunter has a continuous policy of product development and although the Company reserves the right to change specifications, it attempts to keep customers informed of any alterations. This publication is for general information only and customers are requested to contact our Process Filtration Sales Department for detailed information and advice on a products suitability for specific applications. All products are sold subject to the company's Standard conditions of sale.

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Elland
West Yorkshire
HX5 9DN

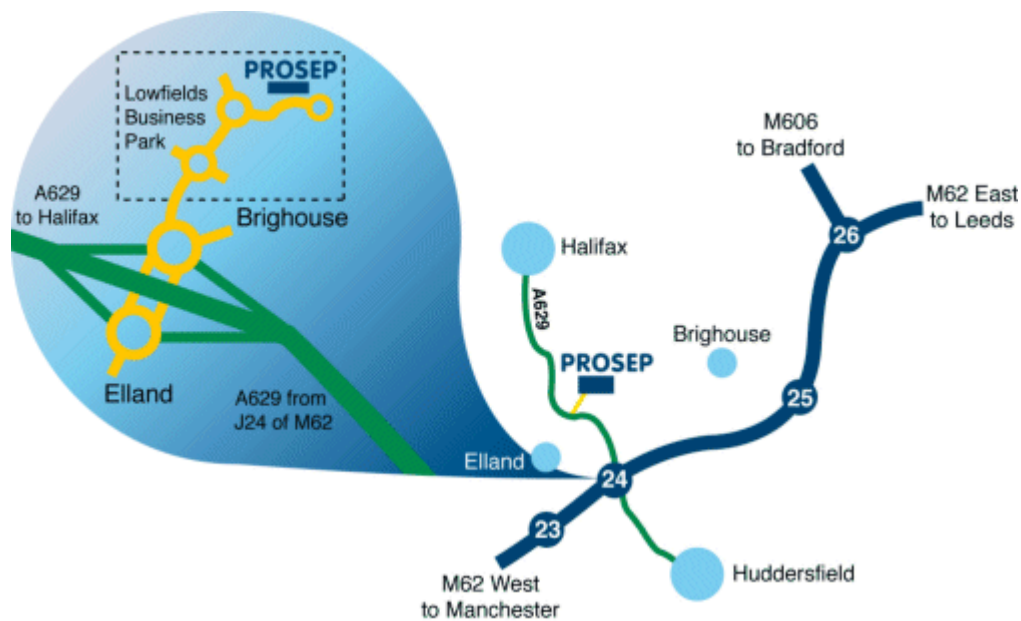
Tel: 01422 377367

Fax: 01422 377369

Email: enquiries@prosep.co.uk

www.prosep.co.uk

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](#)