

Fulflo® Pleated Bag (PB)

High quality, consistent filtration performance

Parker's new Fulflo® Pleated Bag (PB) series is a high-capacity product line that provides a cost-effective alternative with higher removal efficiencies over standard bag media configurations. Utilizing Parker's unique "Select" pleat design along with our proprietary media configurations, we are able to optimize the pleat pack surface area to maximize the service life within each configuration. The Fulflo PBs 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 integrated handle for quick removal.



Contact Information



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Features

- High capacity reduces the number of filters required resulting in fewer changouts & lower filtration costs
- High capacity allows for smaller housings & 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
- Manufactured with strict quality control
- All polypropylene constructed cartridges are FDA listed as acceptable for potable and edible liquid contact according to CFR Title 21
- ISO 9001 registered company

Applications

- Intermediates & fine chemicals
- Amines
- Commercial water
- Deep well injection
- Catalyst recovery
- Vegetable oils
- Paints & inks



ENGINEERING YOUR SUCCESS.

Fulflo® Pleated Bag (PB) Series

Ordering Information

PMPB		Micron Rating		Bag Length		Hardware		Ring Style		Seal Type (A, B, C, D only)	
Code	µm	Code	µm	Code	Description	Code	Description	Code	Description	Code	Description
010	1	1		P	Polypropylene	CQ	Plastic: "Q" Parker Top Sealing	N	Buna-N		
025	2.5	2				CA	Elastomeric: Parker	E	EPR		
050	5					GQ	Plastic: "Q" Competitive Top Sealing	V	Viton®		
150	15					GB	Elastomeric: GAF/FSI Side Entry Seal				
480	48					GC	Elastomeric: Pall/FTC				
						GD	Elastomeric: FSI/Hayward Over the Top Seal				

PPPB		Micron Rating		Bag Length		Hardware		Ring Style		Seal Type (A, B, C, D only)	
Code	µm	Code	µm	Code	Description	Code	Description	Code	Description	Code	Description
010	1	1		P	Polypropylene	CQ	Plastic: "Q" Parker Top Sealing	N	Buna-N		
030	3	2				CA	Elastomeric: Parker	E	EPR		
050	5					GQ	Plastic: "Q" Competitive Top Sealing	V	Viton®		
100	10					GB	Elastomeric: GAF/FSI Side Entry Seal				
200	20					GC	Elastomeric: Pall/FTC				
400	40					GD	Elastomeric: FSI/Hayward Over the Top Seal				
700	70										
900	90										

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

GMPB		Micron Rating		Bag Length		Hardware		Ring Style		Seal Type (A, B, C, D only)	
Code	µm	Code	µm	Code	Description	Code	Description	Code	Description	Code	Description
015	1.5	1		P	Polypropylene	CQ	Plastic: "Q" Parker Top Sealing	N	Buna-N		
030	3	2				CA	Elastomeric: Parker	E	EPR		
100	10					GQ	Plastic: "Q" Competitive Top Sealing	V	Viton®		
200	20					GB	Elastomeric: GAF/FSI Side Entry Seal				
400	40					GC	Elastomeric: Pall/FTC				
						GD	Elastomeric: FSI/Hayward Over the Top Seal				

Specifications are subject to change without notification.
For User Responsibility Statement, see www.parker.com/safety

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Fulflo® Pleated Bag (PB) Series

Materials of Construction:

Structural components:

Polypropylene

Support/Drainage:

Polypropylene

Media:

Polypropylene

Poly-Mate Plus

Claripor

Poly-Mate

Borosilicate Microfiber

Glass-Mate

Seal Material:

EPDM

Buna – N

Viton®

FDA-listed as acceptable for potable/edible liquid contact according to CFR Title 21

- Claripor CPPB
- Glass-Mate GMPB
- Poly-Mate PMPB
- Poly-Mate Plus PPPB

Recommended Operating

Conditions:

Poly-Mate Plus, Poly-Mate, Claripor:

70 psid (4.8 bard) @ 77 F (25 C)

35 psid (2.4 bard) @ 130 F (54 C)

Flow Rate	P1	P2
Recommended Flow Rate*	25gpm (95 L/min)	50gpm (189L/min)
Maximum Flow Rate	50gpm (189L/min)	100gpm (379L/min)
* For optimum performance		
Recommended change-out differential pressure 35psid (2.41 bard)		

Glass-Mate:

40 psid (2.8 bard) @ 77 F (25 C)

15 psid (1.0 bard) @ 175 F (79 C)

Dimensions (Nominal):

Outside Flange Diameter: 7.25"

Outside Filter Diameter: 6"

Length (Nominal):

Size 1 Bag - 11.5"

Size 2 Bag - 24.5"

Size (Nominal):

C: 7.50"

G: 7.12"

PLEATED BAG CONFIGURATION OPTIONS

Claripor CPPB

The PB Claripor 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-fiber releasing filtration.

Poly-Mate Plus PPPB

The PB Poly-Mate Plus filters are made with pleated a polypropylene microfiber 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 maximizes flow capacity and eliminates media migration.

PB Flow Factors (based on 25 gpm for Size 1 Bags) & Efficiencies															
Poly-Mate (PMPB)				Poly-Mate Plus (PPPB)				Claripor (CPPB)				Glass-Mate (GMPB)			
PN/ Micron	Effic. @95%	Effic. @99%	Flow Factor PSI/GPM	PN/ Micron	Effic. @90%	Effic.@ ≥99.9%	Flow Factor PSI/GPM	PN/ Micron	Effic. @90%	Effic.@ ≥99.9%	Flow Factor PSI/GPM	PN/ Micron	Effic. @90%	Effic.@ ≥99.9%	Flow Factor PSI/GPM
1	0.2	1	0.0186	1	0.45	1.4	0.0290	1.5	0.7	1.5	0.0616	1.5	1	1.5	0.0261
2.5	1	2.5	0.0102	3	1	2.5	0.0068	3	1	3	0.0359	3	1.6	3	0.0248
5	3	5	0.0024	5	2	5	0.0060	4.5	3.5	4.5	0.0257	10	5	10	0.0165
15	8	15	0.0017	10	4	10	0.0048	10	4	10	0.0205	20	12	20	0.0116
48	32	48	0.0011	20	12	20	0.0010	20	12	20	0.0128	40	20	40	0.0050
				40	20	40	0.0007	30	16	30	0.0077				
				70	35	70	0.0005	40	18	40	0.0067				
				90	60	90	0.0004	70	25	70	0.0062				
								90	40	90	0.0039				

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