

Fulflo® Pleated Bag (PB) Series

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.



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Product 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

- Polypropylene cartridges listed as acceptable for potable and edible contact according to CFR Title 21
- Process Advanced Filtration is ISO9001 compliant

Applications

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

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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

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

FDA-listed components biosafe per
USP Class VI-121 C Plastics test allows
filtration of edible/potable liquids

- Glass-Mate GMPB

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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Ordering Information

PMPB - -

Poly-Mate	Micron Rating		Bag Length	Hardware		Ring Style		Seal Type (A, B, C, D only)	
	Code	µm		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 - -

Poly-Mate Plus	Micron Rating		Bag Length	Hardware		Ring Style		Seal Type (A, B, C, D only)	
	Code	µm		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 - -

Claripor	Micron Rating		Bag Length	Hardware		Ring Style		Seal Type (A, B, C, D only)	
	Code	µm		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 - -

Glass-Mate	Micron Rating		Bag Length	Hardware		Ring Style		Seal Type (A, B, C, D only)	
	Code	µm		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			

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