



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.

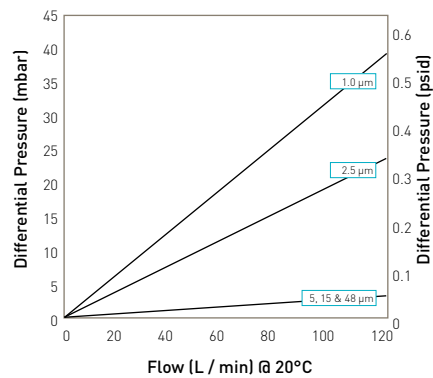
Features and Benefits

- 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 editable contact according to CFR Title 21



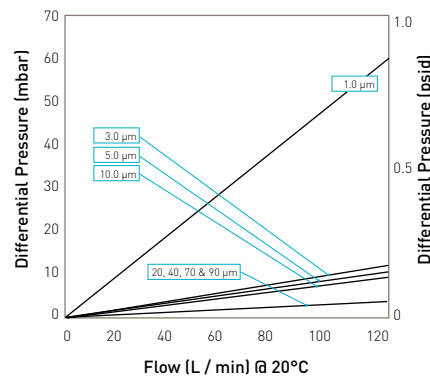
Performance Characteristics

PMPB Pleated bag flow rate



Size 1 Bags

PPPB Pleated bag flow rate

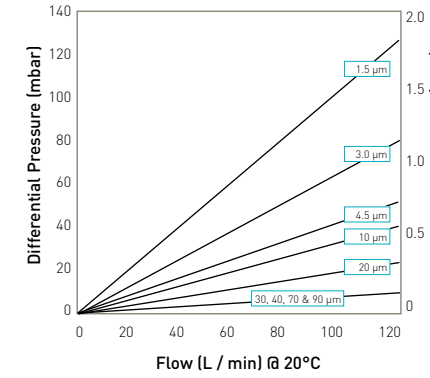


Size 1 Bags

PB Series Pleated Bag Series Filter Cartridges

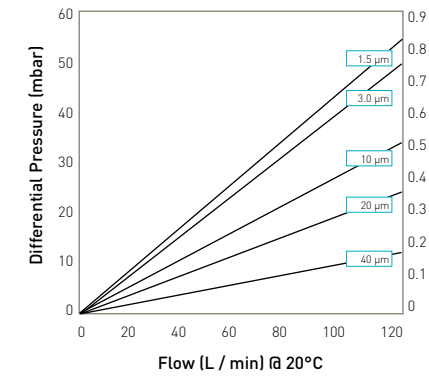
Performance Characteristics

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			

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