

Bag Filtration System

Standard Features:

- Sealless CPVC vertical pump with dry-run capability
- Rigid piped over-sized pump bracket provides additional support & strength to the filter bag riser and eliminates the bag stand
- Corrosion & chemical resistant
- By-pass line with flow-control valve
- 5 micron polypropylene bag with PVC or SS coated steel ring
- Compact design requires minimum tank space
- In-tank or out-of-tank lip mounted
- Self-priming when pump is fully immersed in liquid
- Surface loaded contaminant reduction



Model BF-P100

Featured Options:

- Stainless steel bag rings
- Polyester or nylon bags
- Micron porosities 1, 5, 10, 25, 50, & 100
- High temperature PVDF with Viton O-ring

Applications:

- Coatings
- Cleaners
- Room temperature Black Oxide solutions
- Decorative electroless nickel
- Pre-filtration

Penguin series BF open bag filtration systems are designed to provide rapid, high velocity solution turnover while reducing contaminants surface load. The high surface area, single layered, 7" diameter by 16" long bag is equivalent to which the workload of 12-10" string wound depth cartridges low cost.

A quick disconnect is provided for easy and fast bag replacement. A bag adaptor head with split ring is provided to firmly secure the bag in place.

Bag adaptor heads are available with 1" or 1½" FNPT openings.

Filter Bags

Penguin polypropylene single layered felt bags are available in micron ratings from 1 to 100. Polypropylene mesh monofilament bags are available in micron ratings greater than 100 micron through 300 micron. Bag rings are fabricated in PVC coated steel or optional 316SS. Bags are offered with nominal 5" and 7" diameter openings in single and double lengths.

Series BF

Bag Filtration System

SPECIFICATIONS			
Model	Bag Model	Pump Model	Filtration Rate
			GPH
BF-P50	PB-5	P-1/6A	1200
BF-P50L	PB-5	P-1/4A	1600
BF-P100	PB-7	P-1/2A-HP	2400
BF-P100L	PB-7	P-3/4A-HP	3600
BF-P50	PB-5	P-1/6AC	1200
BF-P50EN-L	PB-5	P-1/4AC	1600
BF-P100EN	PB-7	P-1/2AC-HP	2400
BF-P100EN-L	PB-7	P-3/4AC-HP	3600

BAG SPECIFICATIONS				
Model	Micron Rating	Surface Area - Ft. 2	Diameter	Length (inches)
PB-5-1	1	2.0	5	20.0
PB-5-5	5			
PB-5-10	10			
PB-5-25	25			
PB-5-50	50			
PB-5-100	100			
PB-5L-1	1	3	5	30.0
PB-5L-5	5			
PB-5L-10	10			
PB-5L-25	25			
PB-5L-50	50			
PB-5L-100	100			
PB-7-1	1	2.0	7	16.5
PB-7-5	5			
PB-7-10	10			
PB-7-25	25			
PB-7-50	50			
PB-7-100	100			
PB-7L-1	1	4.0	7	33.0
PB-7L-5	5			
PB-7L-10	10			
PB-7L-25	25			
PB-7L-50	50			
PB-7L-100	100			



Model P-3/4A-HP



Model PB-5-50D

NOMENCLATURE

PB	7	10	D
Penguin Filter Bag System	Diameter/Length	Micron Rating	Ring/Material of Construction
	5 = 5/20.0"	1 = 1	D = PVC coated steel
	7 = 7/16.5"	5 = 5	S = 316 SS
		10 = 10	Not all combinations available. Contact factory.
		25 = 25	
		50 = 50	
		100 = 100	