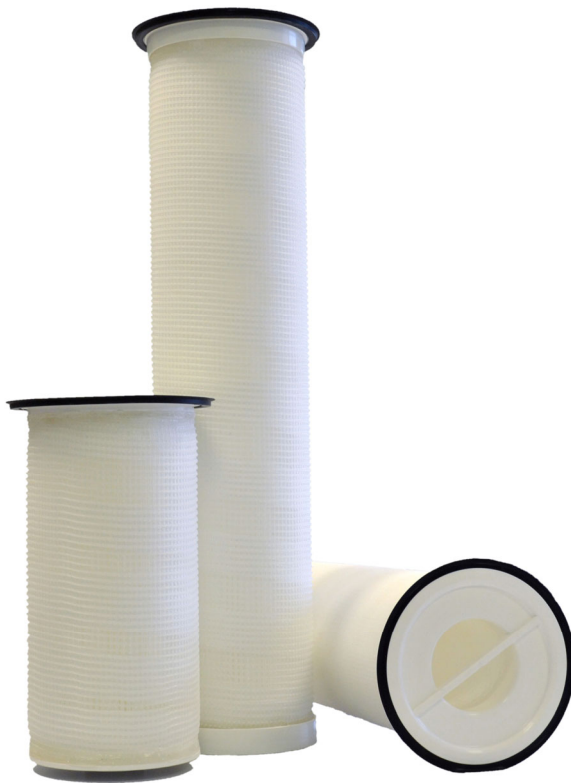


PB Series

PLEATED CARTRIDGES
HIGH-FLOW
FOR BAG FILTER HOUSINGS



FEATURES:

- Multiple pleated layers construction
- High filtration area
- High flow-rate
- High dirt holding capacity
- Filtration direction from inside to outside
- Sealing gasket suitable for the majority of bag filter housings
- Inner core for high mechanical strength
- Outer cage to protect the pleated media
- Designed to fit in bag filter housing size 1 and 2
- No fibre releasing
- Wide range chemical compatibility
- Polypropylene hardware
- Fusion bonding assembly
- Four different filter media available
- FDA approved materials (*only for full polypropylene model*)
- 1935/2004/CE certification available upon request (*only PP version*)
- Absolute filtration rating from 0.6 to 80 µm



Brochure no.: 019-PB-22-UK-3

MAIN APPLICATIONS:

- DESALINATION
- WATER TREATMENT
- FINE CHEMICALS
- PETROCHEMICAL
- OIL & GAS
- FOOD & BEVERAGE
- POWER GENERATION
- PAINTS AND RESINS
- PHARMACEUTICAL
- MICROELECTRONICS
- HYDRAULIC
- STEEL MILL
- GENERAL INDUSTRY

ASCO FILTRI

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PB Series

**PLEATED CARTRIDGES
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TECHNICAL DATA

MAX. WORKING TEMPERATURE
80 °C

DIFFERENTIAL PRESSURE
Cartridge replacement:
2.0 bar @ 50 °C
Max. allowable:
2.4 bar @ 20 °C
1.8 bar @ 50 °C

CONSTRUCTION MATERIALS

Filter media:

- Polypropylene
- Fiberglass
- Polyester
- Polypropylene melt-blown

Hardware:

- Polypropylene

Gaskets:

- Buna-n
- EPDM (standard)
- Viton
- Silicone

DIMENSIONS

External diameter
6" (152 mm)

Length:

- Size 1
- Size 2

FILTERING AREA

Pleated standard

Size 1: 2.0 m²
Size 2: 4.1 m²

Pleated depth

Size 1: 0.7 m²
Size 2: 2.0 m²

Melt-blown

Size 1: 0.13 m²
Size 2: 0.32 m²

Highlights:

The PB series cartridges have been designed to be installed in size 1 and 2 bag filters, thus allowing a considerable increase in the filtering surface, guaranteeing, in the new or existing filter, a higher flow rate, a greater dirt holding capacity or better filtration efficiency without replacing the existing filter housing or, in the case of new plants, reduce installation investment thanks to the lower cost of bag filter housings.

Flow-rate / Delta-P data - DHC:

Filtration (µm)	Polypropylene		Fiberglass		Melt-blown		DHC	
	Size 1	Size 2	Size 1	Size 2	Size 1	Size 2	Size 1	Size 2
0.6	8.5	17	10	21	n.a.	n.a.	1550	3100
1	10	21	12	24	4	8	2100	4150
3	12	24	14	28	6	12	2100	4150
5	17	34	20	40	8	16	2100	4150
10	20	40	22	40	9.5	19	2200	4400
25	22	40	25	40	12	24	2200	4400
≥50	24	40	25	40	18	36	2200	4400

Liquids flow-rate(m³/h) - Initial Delta-P 0.15 bar - DHC (gr).

For liquids different than water, multiply Delta-P by viscosity.

Flow-rate valid for clean water, reduce the flow-rate according to the application.

Filtration efficiency/ Filtration rating availability:

(µm)	Efficiency				Available filtration rating				
	Pleated		Melt-blown		Filter media				
	99.98%	90%	99.98%	90%	P	G	E	DP	M
0.6	0.6 µm	0.25 µm	N.A.	N.A.					
1	1 µm	0.45 µm	1 µm	0.6 µm	X	X		X	X
3	3 µm	0.80 µm	3 µm	1 µm	X	X	X	X	X
5	5 µm	2.0 µm	5 µm	3 µm	X	X	X	X	X
10	10 µm	4.5 µm	10 µm	5 µm	X	X	X	X	X
25	25 µm	10 µm	25 µm	10 µm	X	X	X	X	X
50	50 µm	25 µm	50 µm	30 µm	X		X	X	X
80	80 µm	60 µm	80 µm	55 µm	X		X		X
100	N.A.	N.A.	N.A.	100 µm					X
150	N.A.	N.A.	N.A.	150 µm					X

Filtration efficiency for liquids defined with Multipass ISO 4572 test

Contact us for any further information.

We reserve the right to change the data of this specification without notice.

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