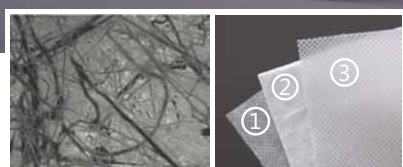


HIGH EFFICIENCY HEBF SERIES

[Melt-blown Polypropylene]



- ① Polypropylene Prefilter Layer
- ② Ultrafine Melt-blown Polypropylene Filter Layer
- ③ Polypropylene Protection Layer of Fiber Releasing

Optional Filter Medium

Polypropylene (PP) 1, 3, 5, 10, 15, 30, 50μm

Operating Conditions

	PP
Max Operation Temperature	194°F(90°C)
Max Differential Pressure	29psi(2.0bar) / 70°F(21°C) 14.5psi(1.0bar) / 176°F(80°C)

Ordering Information

Media	Removal Ratings	Length	Ring Type
HEBF	O100	O1	E
PP	O100 = 1.0μm	O1 = ∅ 180*430mm	E = Polypropylene
PP = Polypropylene	O300 = 3.0μm	O2 = ∅ 180*810mm	S = Stainless steel
	O500 = 5.0μm	O3 = ∅ 100*230mm	
	1000 = 10μm	O4 = ∅ 100*380mm	
	1500 = 15μm	O5 = ∅ 150*500mm	
	3000 = 30μm		
	5000 = 50μm		

HEBF Series high efficiency filter bags are made of ultrafine polypropylene fibers. The melt-blown technology provides extremely high filtration efficiency reaching the absolute rates. The 100% pure polypropylene construction doesn't contain any extractable contaminants of silicone oil, adhesive, etc. It fully conforms to the food contact regulations of FDA and GMP requirements for pharmaceutical use.

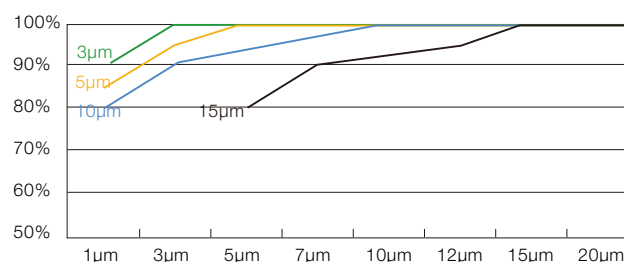
Features and Benefits

- The multi-layer ultrafine polypropylene fibers and graded pore size structure, result in extremely high filtration efficiency and absolute retention rate.
- The 100% pure polypropylene construction, completely conforms to the requirements of food beverage and pharmaceutical industries.
- The depth structure of polypropylene media enable the higher pressure resistance than competitor needle felt filter bags.
- Excellent absorption of oils

Filtration Efficiency

Model	Retention Efficiency of Particles			
HEBF	>80%	>90%	>95%	>99%
3μm	0.65	1.0	2.0	3.0
5μm	0.45	2.0	3.0	5.0
10μm	2.0	3.0	8.0	10
15μm	5.0	7.0	13	15
30μm	12	20	25	30
50μm	20	25	30	50

Retention Characteristic of HEBF Series



HIGH-FLOW HFBF SERIES

[Needle Felt]



Cobetter HEFP filter bags introduce the pleating technology in production process. The multi-layer pleated filter media increase the effective filtration area up to 2.5 times larger than competitor products. This benefit provides higher flow rates and longer service life, which results in reduced replacement cycle and operation cost.

Features and Benefits

- Adopt the pleating technology, incorporate several layers of pleated filter media, increase effectively the filtration area up to 2.5 times larger than competitor products..
- Increase the flow rate up to 2 times higher than regular filter bags.
- Greatly extend the service life and reduce the replacement cycle.

Optional Filter Medium

Polypropylene (PP)	1-200µm
Polyester (PE)	1-200µm

Operating Conditions

	PP	PE
Max Operation Temperature	194°F(90°C)	320°F(160°C)
Max Differential Pressure	29psi(2.0bar) / 70°F(21°C)	29psi(2.0bar) / 70°F(21°C)
	14.5psi(1.0bar) / 176°F(80°C)	14.5psi(1.0bar) / 320°F(160°C)

Effective Filtration Area

Specification	Effective Filtration Area	
	Ordinary Filter Bags	HFBF Filter Bags
#1	0.25 m ²	0.625 m ²
#2	0.5 m ²	1.25 m ²
#3	0.09 m ²	0.225 m ²
#4	0.16 m ²	0.4 m ²

Flow Rate

