

# Bag Filter Cartridges



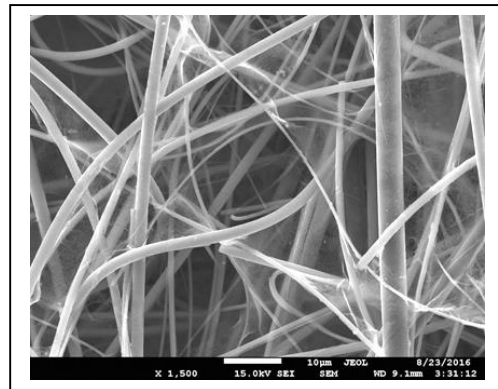
The Bag Filter Cartridge features advanced pleating technology which enables us to maximize the surface area, increase the dirt holding capacity and extending service life. The NGF series can be applied to wine or beer production as trap filters. In these applications, D.E filters are commonly used. As far as D.E. fines are concerned, the NGF series can trap released D.E. fines and reduce the amount of micro-organisms to assure the cleanness of downstream piping and equipment. It can also be applied to general water application in the food and beverage industry.

- Manufactured under a certified ISO 9001 quality system
- Materials are FDA graded

## Product Specifications

### Materials of Construction

- Filter Media:
  - Blown polypropylene
  - Hi Efficiency Blown Polypropylene
  - Hi Efficiency, Non-bound Glass Fiber
- Hardware: Polypropylene
- Sealing: Thermal Bond
- Support Media: Polypropylene
- O-Rings: Buna-N, EPDM, Viton, Silicone
- Fixed Flange: Please contact your sales representative for additional assistance



### Dimensions

- Outside diameter: 6" (152mm)
- Filtration Area: Size 1 (20ft<sup>2</sup> nom.)  
Size 2 (40ft<sup>2</sup> nom.)
- Lengths: Size 1 (275mm) – Standard  
Size 2 (640mm) – Standard

### Purity

All cartridges are free of surfactants, anti-static agents, binders and adhesives.

### Operating Conditions

GF: 220°F (105°C)

**Toxicity** – All polypropylene components meet the specifications for biological safety as per the USP for Class VI-121°C Plastics.

## Performance Specifications

### Retention Ratings

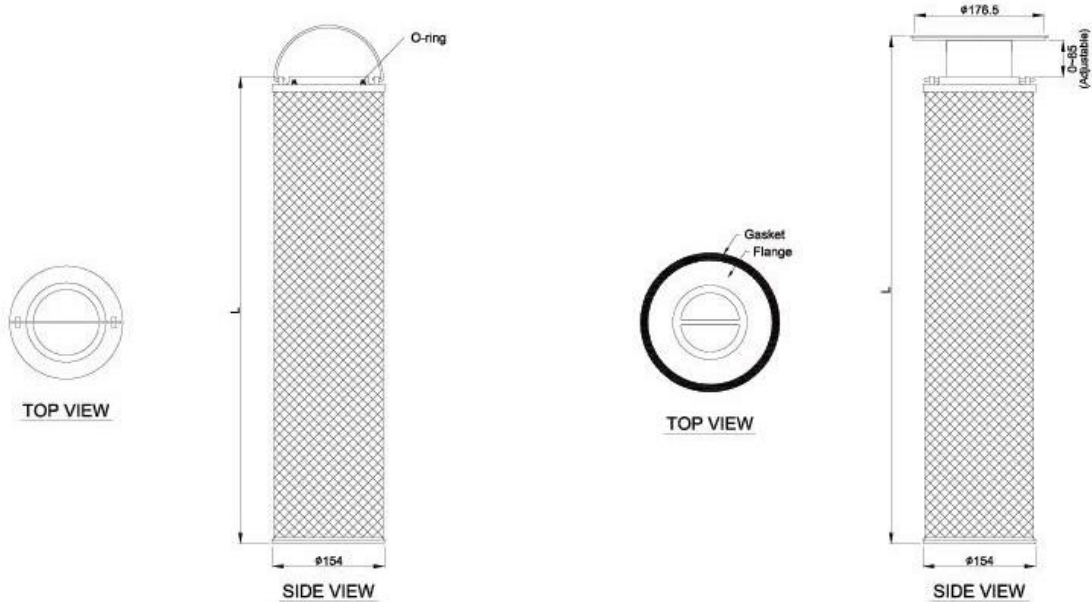
- BP: 1, 3, 5, 10, 20, 40, 100 µm
- HEBP: 1, 3, 5, 10, 20 µm Absolute
- GF: 1, 10 µm Absolute
- Maximum Operating Temperature  
BP, HEBP: 150°F (65°C)

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Retention ratings	BP (psid/gpm) / mbar /lpm)	HEBP (psid/gpm) / mbar /lpm)	GF (psid/gpm) / mbar /lpm)
1 μm	0.044 / 0.801	0.051 / .0928	0.016 / 0.291
3 μm	0.018 / 0.328	0.020 / 0.364	N/A
5 μm	0.008 / 0.146	0.012 / 0.218	N/A
10 μm	0.007 / 0.127	0.008 / 0.146	0.003 / 0.055
20 μm	0.003 / 0.055	0.005 / 0.091	N/A
40 μm	0.001 / 0.018	N/A	N/A
100 μm	0.011 / 0.018	N/A	N/A

\*above table is BP/HEBP/GF size 1 filter bag initial; pressure drop

\*for size 2 requirement, please contact your sales representative



## Length

Dim.	Size 1	Size 2	O-Ring	Dim.	Size 1	Size 2	Flange
	275mm	640mm	optional		280-345mm	645-710mm	

## Ordering Information

Bag Filters                      5-                      1-                      PP                      E

Product Name	Retention Rating	Cartridge Size	Fixed Flange Option	O-Ring Material
BP	1, 3, 5, 10, 20, 40, 100 μm	1 = 01	no symbol = no fixed flange	E=EPDM
HEBP	1, 3, 5, 10, 20 μm	2 = 02	PP=Polypropylene	V=Viton
GF	1, 10 μm		SS=Stainless Steel	S=Silicone