

ALPHA-PURE SERIES FILTER BAGS

General Description

The Alpha-Pure Filter Bags adopt the advanced technology and select materials. It is designed to meet the ever increasing demands of filtration industries. Highly controlled manufacturing procedures ensure consistent quality and eliminate contamination. The Alpha-Pure Filter Bags can fit into all industry-standard bag housings.

Applications

- ❖ Paints, Inks and Coatings
- ❖ Water Filtration
- ❖ Chemical & Petrochemical Industries
- ❖ Food & Beverage
- ❖ Adhesives
- ❖ Pharmaceuticals
- ❖ Plating
- ❖ Filtration for Organic Solvent and Various Alcohols

Features

- ❖ Excellent Chemical Compatibility.
- ❖ Better Utilization of Machines and Equipment.
- ❖ Low Pressure Loss and Long Service Life.
- ❖ Superior Product Quality.
- ❖ Available in Retention Ratings from 1 ~ 1500 Microns.
- ❖ Heavy-duty Handle & Easy Installation and Removal.
- ❖ Various Filter Media Fit With Various Applications.
- ❖ Bag Finish for Strict Application



Specifications

Dimensions (Nominal) :

Bag Size : Size 1 – 7" OD × 17" L, Size 2 – 7" OD × 32" L, Size 3 – 4" OD × 9" L, Size 4 – 4" OD × 15" L
 Size 5 – 6" OD × 22" L

Materials of Construction

Filter Media : Polypropylene, Polyester, Nylon Monofilament, PTFE, Activated Carbon Fiber
 Ring Material : Polypropylene, Polyethylene, Stainless Steel, Galvanized Steel, Polyester Rope

Technical Information

Bag Size	Filter Area (m ²)	Volume (Litre)	Max. Flow (m ³ /h)
Size 1	0.25	8	20
Size 2	0.5	17	40
Size 3	0.09	1.3	6
Size 4	0.16	2.5	12

Micron Rating

Filter Media	Micron Rating
PE / PP / PTFE	0.5, 1, 3, 5, 10, 25, 50, 100, 150, 200 µm
Nylon Monofilament	25, 50, 80, 100, 125, 150, 200, 250, 300, 400, 600, 800 µm (20 ~ 60 Mesh)
Multi-Layers	Higher removal efficiency than single layer felt bag

Chemical Compatibility & Max. Working Temperature

Filter Media	Acids	Bases	Solvents	Oxidizing Agents	Max. Working Temp.
Polyester (PE)	Good	Good	Excellent	Limited	150 ~ 170 °C
Polypropylene (PP)	Excellent	Excellent	Good	Excellent	90 ~ 110 °C
Nylon (NMO)	Fair	Good	Excellent	Fair	150 ~ 170 °C
PTFE	Excellent	Excellent	Excellent	Excellent	250 ~ 300 °C

Part Numbers / Ordering Information

Alpha Pure Series Bag Filter Cartridge P/N : **BF + ◆ - ☆ ★ - + ⊙** (e.g., BFPP1-10PP-HS)

BF + ◆ - ☆ ★ - + ⊙



Media Material

PP = Polypropylene

PE = Polyester

NMO = Nylon Monofilament

PTFE = Polytetrafluoroethylene

ACF = Activated Carbon Fiber



Big Size

1 = Size 1

2 = Size 2

3 = Size 3

4 = Size 4

5 = Size 5



Micron Rating

0.5 = 0.5 µm

1 = 1 µm

3 = 3 µm

5 = 5 µm

10 = 10 µm

25 = 25 µm

50 = 50 µm

75 = 75 µm

100 = 100 µm

150 = 150 µm

200 = 200 µm

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Ring Material

PP = Polypropylene

PE = Polyethylene

SS = Stainless Steel

GS = Galvanized Steel

PR = Polyester Rope



Connection Type

H = Heat-Welded

S = Sewn



Bag Layers

S = Single Layer

D = Double Layers

T = Triple Layers

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