



LFB – LIQUID FILTER BAGS

DEPTH & MESH MEDIA IN ABSOLUTE & NOMINAL EFFICIENCIES



LFB - Liquid Filter Bags have been designed to tackle the toughest filtering and straining applications. Standard bags are available in a wide selection of sizes, materials, and retention ratings for multiple applications from potable water to waste stream clean-up to high temperature chemicals. We also offer a complete line of high efficiency micro poly bags and oil absorbing bags. The LFB line would not be complete without a full line of monofilament and multifilament mesh bags that are suitable when felt and other materials are not desirable. One advantage to monofilament bags is that the strong woven material is both durable and, in many cases, reusable.

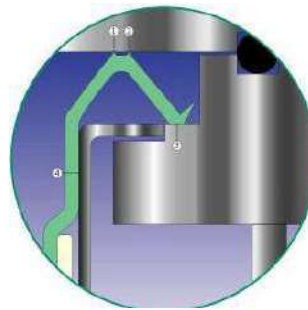
Media and Pore Sizes

The Pore Sizes table represents the media and pore sizes available in the CB series. Find your media and then move across the row to locate available pore sizes.

Pore Sizes

Media	.5	1	3	5	10	15	25	50	75	100	125	150	175	200	250	300	400	600	800	1000	1200	1500
PP – Polypropylene Felt		●	●	●	●		●	●	●	●				●								
EE – Polyester Felt	●	●	●	●	●	●	●	●	●	●				●								
NMO – Nylon Monofilament		●		●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
PPEX – PP Extended Life		●	●	●	●		●	●	●	●				●								
HA – 98% Eff Microfiber PP	●	●	●	●	●		●															
HB – 92% Eff Microfiber PP	●	●	●	●	●		●															
OA – Oil Absorbent Bag	●	●	●	●	●		●	●														

LIP LOCK Design



POLYLOC Style

Fluid bypass around the basket is prevented because the outside diameter of the filter bag seals radially against the housing inside diameter.

Retrofits all the Existing Imported filter Elements with Plastic Lip Collar from Major International Players, helping customers the greatest possible value for their filtration Cost.

MICRON RATINGS EMBOSSED



Unlike other local players the Filter Bags are embossed with the Material of construction along with the micron ratings for the Felt Filter bags, Microfiber & Oil Absorbent Filter Bags and Specification tags for all Monofilaments filter bags.

THICK WELD BOTTOM & SEAM DESIGN



Weakest point in the Filter Bags Media is the welding at bottom & the Seam. Most of the Established & Local fails at this points. Small Welds are used to increase the margins but its very harmful for the process.

Dirt Holding Capacity (grams) / #2

Felt	MESH	PPEX	LFB-H	OA Oil
244	180	450	800	1800

Particle Removal Efficiency Chart LFB-H

LFBHA	1.0 µm	3.0 µm	5.0 µm	10 µm	25 µm
Eff @ 98%	2.0	2.5	5.0	18	28.0
Eff @ 95%	1.0	2.0	3.5	9.5	25.0
Eff @ 90%	0.9	1.5	2.0	7.0	18.0
Eff @ 75%	< 0.9	< 1.0	1.0	5.0	10.0

Flow Rates

The Typical Flow Rates table represents typical water flow (1 cps) at 1 psid (69 mbard) pressure differential across a single #2 bag filter. The test fluid is water at ambient temperature.

Typical Flowrate In m3/hr

Micron	LFB-H	Felt	Mesh
0.5 - 1	8 - 9	20	20
3 - 10	11	22	22
25 - 75	> 12	25	25
100-200		27	30
> 200			>32

LBF-H High Efficiency Bag Specifications and Data

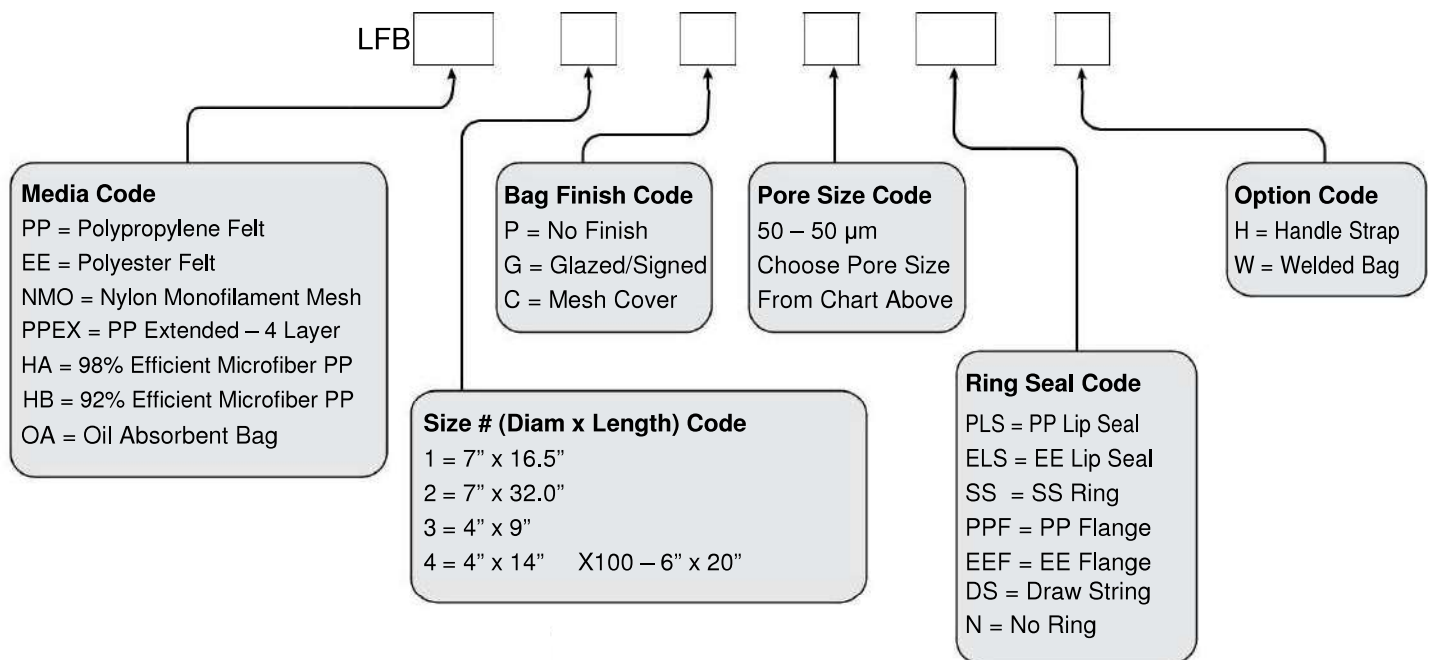
LFB-HA and LFB-HB series high efficiency filter bags are constructed of multiple layers of melt blown polypropylene microfiber filter media for precise and consistent filtration. Both CBH series are manufactured with all FDA grade materials and is silicone free. Key features to this design are the high dirt loading capacity and excellent initial efficiency figures.

Compatibility and Temperature Limits for Standard Bag Materials

Media	Organic Solvents	Animal, Vegetable, and Petro Oils	Microorganisms	Alkalies	Organic Acids	Oxidizing Agents	Mineral Acids	Temperature Limitations (maximum degrees)
Polypropylene	Excellent	Excellent	Excellent	Excellent	Excellent	Good	Good	93 °C (200 °F)
Polyester	Excellent	Excellent	Excellent	Good	Good	Good	Good	149 °C (300 °F)
Nylon	Excellent	Excellent	Excellent	Good	Fair	Poor	Poor	163 °C (325 °F)

Ordering Information

The filter bag order number is made up of several variables from media type and pore size to ring seal, bag size, and options. For example: Bag Filter, Polypropylene Felt Media, 7" Diameter x 32.0" Long, No Finish, 50 Micron Pore Size, PP Lip Seal Welded Bag = **LFB-PP-2-P-50-PLS-W**.



Manufactured by Process Technika

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