

CB Liquid Filter Bags

Mesh and Depth Media



General Service Grade CB 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 cleanup to high temperature chemicals. We also offer a complete line of high efficiency micro poly bags and oil absorbing bags. The CB 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.

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	
P – Polypropylene Felt		•	•	•	•		•	•		•				•									
E – Polyester Felt	•	•	•	•	•	•	•	•	•	•				•									
N – Nylon Monofilament Mesh		•		•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
M – Polyester Multifilament									•	•	•	•		•	•	•	•	•	•	•	•		•
HA – 98% Efficiency Micro Poly		•	•	•	•		•																
HB – 92% Efficiency Micro Poly		•	•	•	•		•																
OB – Oil Bag		•	•	•	•		•	•															

Applications

- ◆ Caustic Fluids
- ◆ Wastewater
- ◆ Viscous Fluids
- ◆ Oils
- ◆ High-Temperature Fluids
- ◆ Chemical Solutions
- ◆ Corrosive Liquids
- ◆ Plating Solutions
- ◆ Potable Water

Total Performance

Critical Process Filtration, Inc. is a vertically integrated manufacturer of filtration products to industries in which filtration is considered a critical part of the manufacturing process. We supply a complete line of products and services to help you cost effectively satisfy all your filtration requirements from a single source.

Quality Assurance and Standards

Our goal is to ensure our customers the greatest possible value for their filtration dollar. Our state of the art manufacturing facility and quality management system both meet ISO 9001:2008 standards. Each operation from assembly and test to cleaning, drying, and packaging is done in appropriately rated clean rooms. A sophisticated MRP system collects and processes real time data from manufacturing centers and inspection points. This allows variable and attribute data to be quickly and easily analyzed driving constant improvements in both quality and cost.

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.

Dirt Holding Capacity (grams)

1.0 μm	3.0 μm	5.0 μm	10 μm	25 μm
244	310	455	N/D	N/D

Particle Removal Efficiency Chart

CBHA	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 at 1 psid (69 mbard) pressure differential across a single #2 bag filter. The test fluid is water at ambient temperature.

Typical Flow Rates

Pore Size	1.0 um	3.0 um	5.0 um	10 um	25 um
GPM	40	45	50	> 50	> 50
LPM	151.42	170.34	189.27	189.27	189.27

CBH High Efficiency Bag Specifications and Data

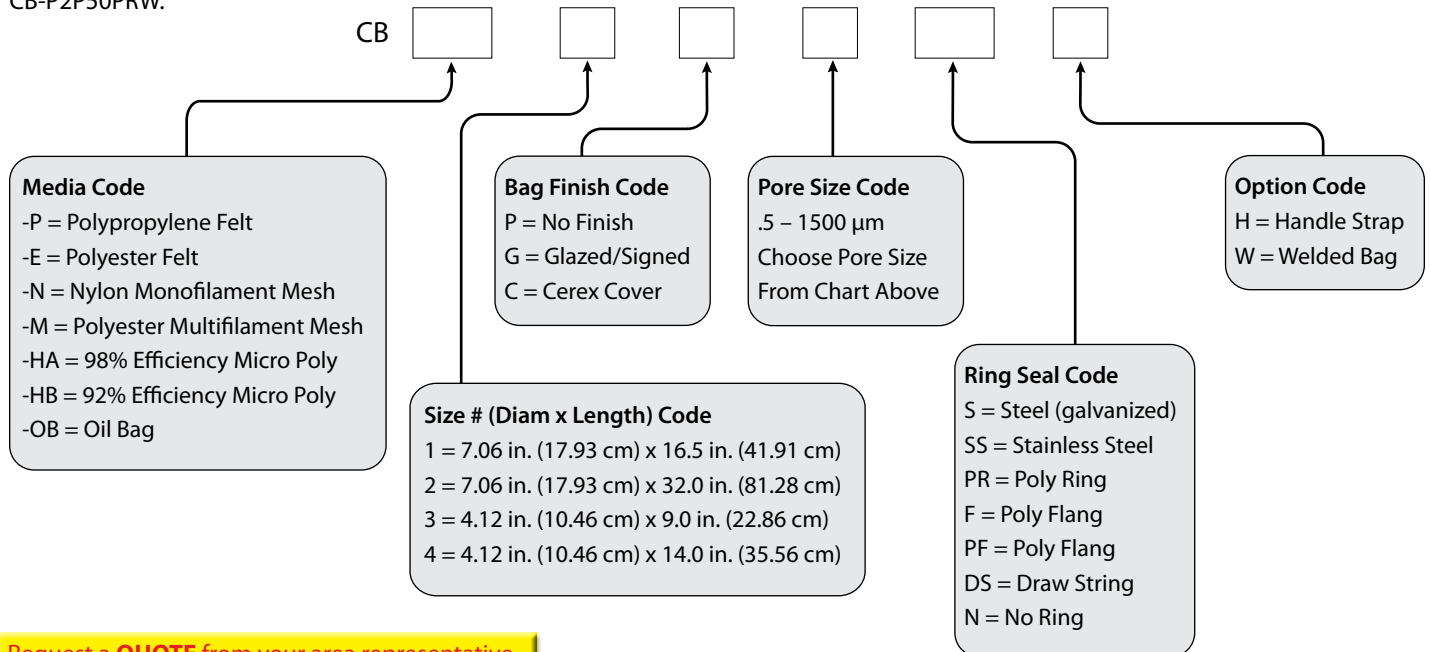
CBHA and CGHB series high efficiency filter bags are constructed of multiple layers of melt blown polypropylene microfiber filter media for precise and consistent filtration. Both CBH series are manufactured with all FDA grade materials and is silicone free. Key features to this design are the high dirt 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, 7.06" Diameter x 32.0" Long, No Finish, 50 Micron Pore Size, Poly Ring Seal, Welded Bag = CB-P2P50PRW.



Request a **QUOTE** from your area representative



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