



CB series
Liquid Filter Bags
engineered and manufactured for cost effective filtration

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CB series bags have been designed to tackle the toughest of filtering and straining applications. Standard bags are available in a wide selection of sizes, materials, and microns. 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 the strong woven material is both durable and in many cases reusable. See below for details and specifications.



Applications

- Caustic Fluids
- Potable Water
- High Temp Fluids
- Plating Solutions
- Wastewater
- Straining
- Chemical Solutions
- Corrosive Liquids
- Viscous Fluids
- Oils

Media and Pore Size

The following table represents the media and pore size available in the CB series. Find your media and move across the chart to find pore size available. (• indicates this pore size is available)

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		•	•	•	•		•	•															

Compatibility and Temperature Limits for Standard Bag Materials

Media	Organic Solvents	Animal Vegetable & Petro Oils	Micro Organisms	Alkalies	Organic Acids	Oxidizing Agents	Mineral Acids	Temperature Limitations (max. deg F)
Polypropylene	Excellent	Excellent	Excellent	Excellent	Excellent	Good	Good	225
Polyester	Excellent	Excellent	Excellent	Good	Good	Good	Good	300
Nylon	Excellent	Excellent	Excellent	Good	Fair	Poor	Poor	325

CBHA High Efficiency Bag Specifications & Data

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

Operating Parameters

Maximum Temperature: 180°F (82°C)
Recommended Flow: 25 gpm #2 size
Max Flow (water): 50 gpm #2 size
Max Differential Pressure: 25 psid

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

Dirt Holding Capacity (grams)

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

Flow Rates

The following table represents typical water flow at less than one psi (69 mbar) pressure differential across a single #2 bag filter. The test fluid is water at ambient temperature.

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

The statements & technical data presented here are based on test data which Critical Process Filtration deems to be reliable, but the accuracy or completeness of such statements and technical data is not guaranteed. Critical Process Filtration makes no warranties, express or implied warranty or merchantability or fitness for a particular purpose. User is responsible for determining whether the product is fit for a particular purpose & suitable for user's application.

Ordering Information

The filter bag catalog number is made up of several variable characters i.e. media, pore size, ring seal, bag size, and options etc. For example: a polypropylene felt, 5µm, #2 size with a glazed finish, stainless steel ring with handle strap, would be designated as: CBP2G5SSH

