



# CB Liquid Filter Bags

Mesh and Depth Media



CB Liquid Filter Bags are 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 offer a complete line of filtration bags including high efficiency micro polypropylene bags, oil absorbing bags, plus a full line of monofilament and multifilament mesh bags.

CB bag filters are recommended for the filtration of:

- Caustic Fluids
- Wastewater
- Viscous Fluids
- Oils
- Chemical Solutions
- High Temperature Fluids

Critical Process provides unrivaled delivery times, technical consulting before purchasing, and very competitively priced high-performance products. Our comprehensive testing/analysis and validation services support your team whenever they need it. Your process experts partnering with our filtration experts is how we deliver your company's solution right the first time.

## Clarification & Prefiltration



### BAG FILTERS – Nominal Dimensions

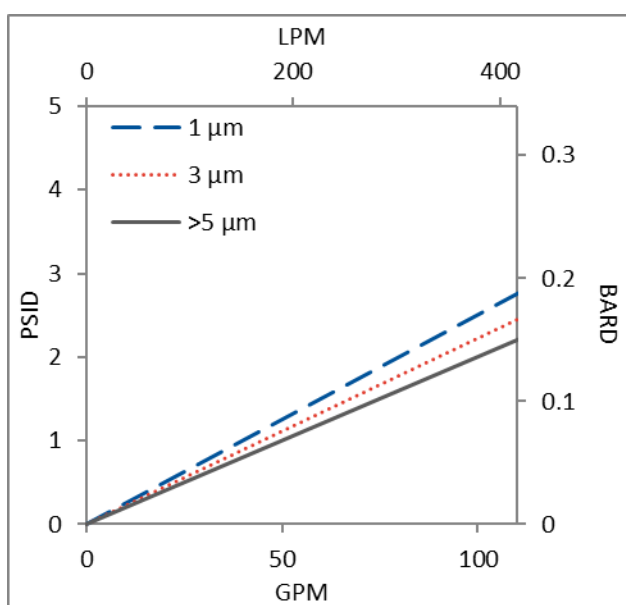
- Size 1 = 7.06 in. (17.93 cm) x 16.5 in. (41.91 cm)
- Size 2 = 7.06 in. (17.93 cm) x 32.0 in. (81.28 cm)
- Size 3 = 4.12 in. (10.46 cm) x 9.0 in. (22.86 cm)
- Size 4 = 4.12 in. (10.46 cm) x 14.0 in. (35.56 cm)

## Pore Sizes Available for Each Media

The 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 Size																				
Media	.5	1	3	5	10	15	25	50	75	100	125	150	175	200	300	400	600	800	1000	1200	1500
P – Polypropylene Felt		●	●	●	●		●	●		●				●							
E – Polyester Felt	●	●	●	●	●	●	●	●	●	●				●							
N – Nylon Multifilament Mesh		●		●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
M – Polyester Monofilament									●	●	●	●		●	●	●	●	●	●		
HA – 98% Efficiency Micro Poly		●	●	●	●		●														
HB – 92% Efficiency Micro Poly		●	●	●	●		●														
OB – Oil Bag		●	●	●	●		●	●													

## Flow Rate for Typical CB Bag Filters by Pore Size



Flow rates for Cartridge filters are for a single #2 bag filter. The test fluid is water at ambient temperature. Recommended flow rate for #2 bag not to exceed 110 GPM.

## Particle Removal Efficiency Chart – HA Media

Micron Rating	1 µm	3 µm	5 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

## 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.

## Dirt Holding Capacity (grams)

1 µm	3 µm	5 µm
244	310	455

## Compatibility and Temperature Limits for Standard Bag Materials

Media	Organic Solvents	Animal, Vegetable, and Petro Oils	Microorganisms	Alkalis	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)

## CB Bag Filters Ordering Information

All Critical Process filters are configurable to meet customer specifications.  
Fill in the corresponding code in the box below to build your Part Number.

To consult with one of our technical team members, request a quote or place an order:  
call (603) 880-4420 or [contact us here](#).

### Bag Filters

CB

Media Code	Bag Finish Code	Pore Size Code	Option Code	Size # (Diam x Length) Code	Ring Seal Code
-P = Polypropylene Felt -E = Polyester Felt -N = Nylon Monofilament Mesh -M = Polyester Multifilament Mesh -HA = 98% Efficiency Micro Poly -HB = 92% Efficiency Micro Poly -OB = Oil Bag	P = No Finish G = Glazed/Signed C = Cerex Cover	.5 – 1500 $\mu$ m Choose Pore Size From Chart Above	H = Handle Strap W= Welded Bag	1 = 7.06 in. (17.93 cm) x 16.5 in. (41.91 cm) 2 = 7.06 in. (17.93 cm) x 32.0 in. (81.28 cm) 3 = 4.12 in. (10.46 cm) x 9.0 in. (22.86 cm) 4 = 4.12 in. (10.46 cm) x 14.0 in. (35.56 cm)	S = Steel (galvanized) SS = Stainless Steel PR = Poly Ring F = Poly Flange PF = Poly Flange DS = Draw String N = No Ring



One Chestnut Street  
Nashua, NH 03060  
603.880.4420  
FAX: 603.880.4536  
CriticalProcess.com

The information contained herein is subject to change without notice. The Critical Process Filtration logo is a trademark of Critical Process Filtration, Inc.  
© 2021 Critical Process Filtration, Inc. • All Rights Reserved

Data Sheet CBDS Rev A