

Cartridge Filtration

BECO PROTECT PB Filter Cartridges

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BECO PROTECT PB depth filter cartridges consist of thermally bonded, melt-blown polypropylene filter material. The physical strength of the BECO PROTECT PB depth filter cartridges is such that no external and internal support cores are required. The material used has high chemical resistance. The BECO PROTECT PB depth filter cartridges are available with retention rates between 0.5 µm and 100 µm, and are optimized for the requirements of pre-filtration of beverages. BECO PROTECT PB depth filter cartridges are characterized by high dirt holding capacities and long dwell times. The BECO PROTECT PB depth filter cartridges can be used for the coarse filtration of wine, beer, water and other liquids.

Characteristics and Advantages

The specific advantages of BECO PROTECT PB:

- ▶ High dirt holding capacity
- ▶ Low differential pressure
- ▶ High chemical resistance
- ▶ Pressure surge resistance

Configuration of the Filter Cartridge

BECO PROTECT PB depth filter cartridges are made from high-quality, melt-blown polypropylene micro-fibers and have a broad chemical compatibility. All materials used ensure product-neutral filtration without adsorption or particle migration. The BECO PROTECT PB depth filter cartridges therefore meet the requirements of the customer in terms of safe, gentle filtration of his products.

Materials used:

Filter material:	polypropylene micro-fibers
End caps/adapters:	polyethylene

Polypropylene materials used meet the FDA requirements according to 21 CFR § 177.1520.

Filter Cartridges Types/Nom. Retention Rates

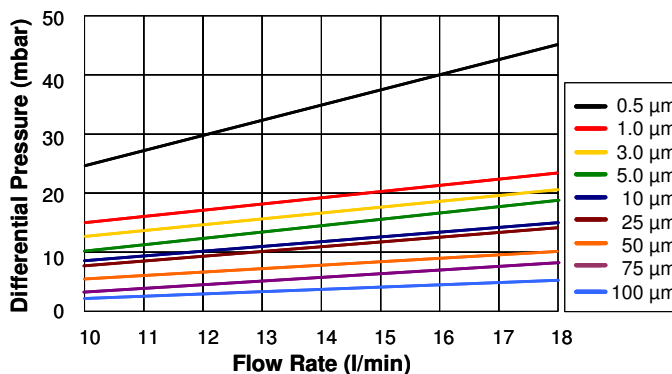
Filter cartridge type	Retention rate [µm]
PB005	0.5
PB010	1.0
PB030	3.0
PB050	5.0
PB100	10.0
PB250	25.0
PB500	50.0
PB750	75.0
PB999	100.0

Technical Data

Diameter:	63 mm (2.48 in)
Inside diameter:	28 mm (1.18 in)
Max. operating temperature:	65 °C (149 °F)
Max. differential pressure:	3.2 bar (46.4 psid) at 20 °C (68 °F) 1.2 bar (17.4 psid) at 60 °C (140 °F)

Nom. Length for Code F, X		
9 =	9 ¾"	248 mm
1 =	10"	254 mm
7 =	19 ½"	500 mm
2 =	20"	508 mm
8 =	29 ½"	750 mm
3 =	30"	762 mm
6 =	39"	992 mm
4 =	40"	1016 mm

Flow Rate (recommended values)
10" element with water at 20 °C (68 °F)



Ordering Information

Filter cartridges with protective foil

HS customs tariff: 8421 99 00

Filter cartridge type	Nom. retention rates	Adapter	Nom. length	Packing Unit
PB	005 = 0.5 µm	F = Code F with PE gasket	9 = 9 3/4"	6
	010 = 1.0 µm	X = Code X without gasket	1 = 10"	
	030 = 3.0 µm		7 = 19 1/2"	
	050 = 5.0 µm		2 = 20"	
	100 = 10.0 µm		8 = 29 1/2"	
	250 = 25.0 µm		3 = 30"	
	500 = 50.0 µm		6 = 39"	
	750 = 75.0 µm		4 = 40"	
	999 = 100.0 µm			

Example:

PB	005	F	1	6
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BECO PROTECT PB depth filter cartridge 0.5 µm retention rate, Code F, 10"

Adapter Codes

Code X	Code F
Without adapter	2 PE flat gasket



Safety

When used and handled correctly, there are no known unfavorable effects associated with this product. BECO PROTECT PB depth filter cartridges do not require the provision of safety-relevant information.

There are no known risks to humans or the environment during storage, handling and transport

Disposal

BECO PROTECT PB depth filter cartridges should be treated as industrial waste. Any local and other official regulations must be followed, taking the product to be filtered into account.

Storage

BECO PROTECT PB depth filter cartridges should be stored in their original packaging, and in a dry, odor-free and UV ray protected place. Never store the product near evaporating chemicals, oils or fuels etc. The filter cartridges should be used within 2 years after delivery.

Certified Quality

During the production process, BECO PROTECT PB depth filter cartridges are monitored constantly to ensure consistently high quality.

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