

Cartridge filtration BECO-PROTECT PB depth filter cartridges

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.

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: polypropylene
O-rings: silicone (standard)

All materials used meet the requirements of USP-XXII Class VI-121 °C and are thermally bonded without the use of adhesives.

Characteristics and advantages

The specific advantages of BECO-PROTECT PB:

- ▶ High dirt holding capacity
- ▶ Ideal separation of deformable and gel-like particles/colloids due to special pore structure
- ▶ High chemical resistance
- ▶ Pressure surge resistance

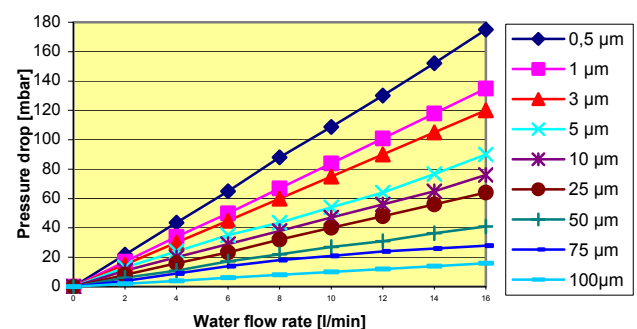
Filter cartridges types/retention rates

Filter cartridge type	Retention rate [µm]
PB005	0.5
PB010	1.0
PB030	3.0
PB050	5.0
PB100	10.0
PB250	25.0
PB300	30.0
PB500	50.0
PB750	75.0
PB999	100.0

Technical data

Outside diameter
▶ standard 62 mm
▶ with blind cap 64 mm
Inside diameter
▶ standard 29 mm
▶ with blind cap 27 mm
Max. temperature of service: 65 °C
Max. pressure difference 4.0 bar at 20 °C

Pressure drop per 10" cartridge



Ordering information

Depth filter cartridges with protective foil in carton



Filter cartridge type	Retention rates	Adapter	Length	Gasket
PB	005 = 0.5 µm	F = Code F	1 = 10"/25 cm	S = silicon
	010 = 1.0 µm	0 = Code 0	2 = 20"/50 cm	P = Poly-ethylen X = without
	030 = 3.0 µm	2 = Code 28	3 = 30"/75 cm	
	050 = 5.0 µm	5 = Code 5	4 = 40"/100 cm	
	100 = 10.0 µm	7 = Code 7		
	250 = 25.0 µm	X = without		
	500 = 50.0 µm			
	750 = 75.0 µm			
	999 = 100.0 µm			




Example:

PB	003	F	1	S
----	-----	---	---	---

BECO-PROTECT PB depth filter cartridge 0,6 µm retention rate, Code F, 10"

Adapter codes:

Code X	Code F
Without adapter	2 PE flat gasket
	

Code 0	Code 5	Code 7
2-222 O-Ring	2-222 O-Ring with centering tip	2-226 O-Ring bayonet adapter with centering tip
		

HS Customs Tariff: 8421 99 00

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.

Storage

BECO-PROTECT PB depth filter cartridges should be stored in their original packaging, and in a dry and odor-free 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. All BECO-PROTECT PB depth filter cartridges are subjected to an integrity test during production.

The materials used meet the requirements of the German Health Authority (BGA) and the US Food and Drug Administration (FDA).



Reg. No. 000480 QM

All information is given to the best of our knowledge. However, please understand that the information cannot be guaranteed for every application, working practice or operating condition. Misuse of the product will result in all warranties being voided.

Please do not hesitate to contact us if you have further questions. You may call your area sales manager, or BEGEROW direct on +49 67 04 20 4-0 1.

Reproduction of this document, even in part, is permitted only with reference to the source.

We reserve the right to make technical changes.