

Depth Filtration
BECO PROTECT® CL

Depth Filter Cartridges

BECO PROTECT CL Coreless depth filter cartridges consist of wrapped polypropylene filter material with different layers from coarse to fine. The filter cartridges are manufactured without a core and with a large diameter to provide high flow rates.

BECO PROTECT CL Coreless depth filter cartridges are used in a variety of applications with high flow rates for liquid clarification in the food and beverage industry.

Features and Benefits

- Large diameter filter cartridge for high flow rates and low differential pressure
- Long filter service life
- High chemical resistance through use of 100% polypropylene
- High dirt-holding capacity through graded filter configuration
- No binders or adhesives

Configuration

BECO PROTECT CL Coreless depth filter cartridges are made from high-quality, wrapped polypropylene layers. The additional inner polypropylene supporting mesh results in a robust filter element construction.

BECO PROTECT CL Coreless filter cartridge fits over a stainless steel core, which is installed in the filter housing. At changeout, the filter cartridge is simply pulled up over the stainless steel core which remains in the housing. This leads to reduced disposal costs.



Materials

Filter material:	Polypropylene
Supporting mesh	Polypropylene

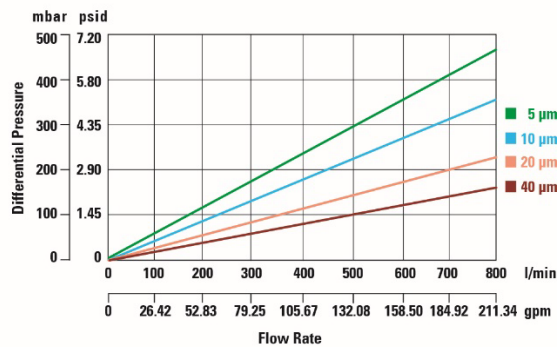
The plastic components meet the requirements of Directive 10/2011/EC and amendments. All materials used meet the FDA requirements according to 21 CFR § 177.1520.

Technical Data

Outer diameter	5.98 in (152 mm)
Inner diameter:	4.64 in (118 mm)
Length	40.0 in (1016 mm)
Maximum operating temperature:	176 °F (80 °C)
Maximum differential pressure in flow direction:	58 psid (400 kPa, 4.0 bar) at 86 °F (30 °C) 14,5 psid (100 kPa, 1 bar) at 176 °F (80 °C)

Flow Rate

40" with water at 68 °F (20 °C) (standard values)



Filter Cartridges Types/Retention Ratings at an efficiency of 99.98 %

Type	Retention rating (µm)
CL050	5
CL100	10
CL200	20
CL400	40

Adapter Code

Code X
Double open end (DOE) without end caps



Ordering Information

BECO PROTECT CL Coreless depth filter cartridges with protective foil of 4 pieces in carton.

Type	Retention rating	Adapter	Nominal length	Gasket
CL	050 = 5 µm	X = Code X (DOE), without end caps	4 = 40" (1016 mm)	X = without gasket
	100 = 10 µm			
	200 = 20 µm			
	400 = 40 µm			

Example

CL	400	X	4	X
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BECO PROTECT CL Coreless filter cartridge; 40 µm retention rating; Code X, 40" (1016 mm), without gasket

Safety

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

Storage, handling and transport do not present any environmental and health risks.

Disposal

BECO PROTECT CL Coreless depth filter cartridges should be treated as industrial waste. Any local and other official regulations in relation to the filtered product must be followed.

Storage

Store depth filter cartridges in their original packaging and in a dry, odor-free and UV ray protected place.

Use filter cartridges within 60 months after production date.

Certified Quality

During the production process, BECO PROTECT CL Coreless depth filter cartridges are regularly monitored to ensure consistent excellent quality control.

North America
44 Apple Street
Tinton Falls, NJ 07724
Toll Free: 800 656-3344
(North America only)
Tel: +1 732 212-4700

Europe/Africa/Middle East
Auf der Heide 2
53947 Nettersheim, Germany
Tel: +49 2486 809-0

Friedensstraße 41
68804 Altlußheim, Germany
Tel: +49 6205 2094-0

An den Nahewiesen 24
55450 Langenlonsheim, Germany
Tel: +49 6704 204-0

China
No. 3, Lane 280,
Linhong Road
Changning District, 200335
Shanghai, P.R. China
Tel: +86 21 5200-0099

Singapore
100G Pasir Panjang Road #07-08
Singapore 118523
Tel: +65 6825-1668

Brazil
Rua Clark, 2061 - Macuco
13279-400 - Valinhos, Brazil
Tel: +55 11 3616-8400

**For more information, please
email us at filtration@eaton.com
or visit www.eaton.com/filtration**

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