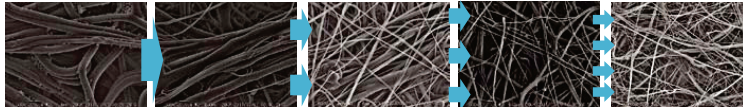


BEVCLEAR® XL FILTER CARTRIDGES

MULTI-LAYER POLYPROPYLENE DEPTH FILTER FOR LONG LIFE BEVERAGE PRE-FILTRATION

BevClear® XL Filter Cartridges are all-polypropylene pleated depth filters with a graded pore size distribution from coarse (upstream) to fine (downstream) to capture particles gradually which improves filter service life. Filter characteristics include higher contaminant holding capacity and removal of particulates, colloids, and gels.

FEATURE	BENEFIT
Graded pore size pleated depth filter construction	5-7 layers of PP media enables additional particle loading and flow capabilities  Eliminates particles according to pore size distribution which significantly increases filter lifetime
All-polypropylene construction	100% polypropylene construction provides wide chemical compatibility
QUALITY STANDARDS	
Quality Assurance	These products are manufactured in a facility which adheres to ISO 9001:2015 Practices. 100% Integrity tested and Lot traceable.
TOC / Conductivity at 25°C	Autoclaved filter effluent meets the USP <643> for Total Organic Carbon and USP <645> for Water Conductivity per WFI requirements after a UPW flush of specified volume.
Particle Shedding	Autoclaved filter effluent meets the requirements in USP <788> for large volume injections
Non-Fiber Releasing	Component materials meet the criteria for a "Non-fiber-releasing filter" as defined in 21 CFR 210.3 (b) (6) and EU framework regulation [1935/2004/EC].
Bacterial Endotoxin	Aqueous extraction of autoclaved filter contains < 0.25 EU/mL as determined by Limulus; Amebocyte Lysate (LAL), USP <85>.
USP <87> Cytotoxicity	Meet the requirement of USP <87> In Vitro Cytotoxicity Test
USP <88> Biological Toxicity	Meet the criteria of the USP <88> Biological Reactivity Test for Class VI-121°C plastics.
Indirect Food Additive	All component materials meet the FDA Indirect Food Additive requirements cited in 21 CFR 177–182.



- Typical Applications**
- Clarification
 - Particle and Bioburden Reduction
 - Pre-filtration
 - Syrup
 - Juice
 - Spirits

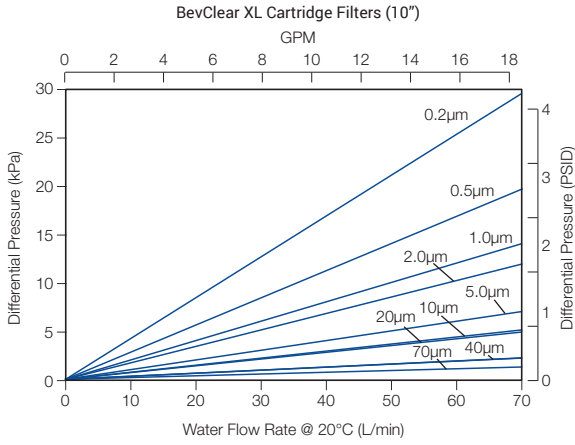
SPECIFICATIONS

Filter media	Multi-Layer Polypropylene
Support	Polypropylene
Cage/Core/End Caps	Polypropylene
O-ring internal support	PBT, Stainless Steel
O-rings	Silicone, EPDM, FKM
Effective filtration area	0.23m ² (2.5 ft ²)/ Ø71-10 inch
Cartridge diameter	71 mm (2.8 in.)
Max. Operating temperature	80°C
Max. Differential pressure	Forward: 0.50 MPa (5.0 bar, 73 psi) at 21°C; 0.20 MPa (2.0 bar, 29 psi) at 80°C Reverse: 0.20 MPa (2.0 bar, 29 psi) at 21°C
Steam sterilization (saturated steam)	≥20 cycles for 30 minutes at 121°C at Max. Differential Pressure of 0.5 bar (7.25 psi)
Hot water sterilization	85°C/30 min. at Max. Differential Pressure for 2 bar (29 psi)
Cleaning solution	2% NaOH Solution @ ≤65°C

RETENTION

Specification	Retention Rate (%)						
	1.0 µm	2.0 µm	5.0 µm	10 µm	20 µm	40 µm	70 µm
BCXL0020	≥ 99.90	≥ 99.99	≥ 99.90	≥ 99.99	≥ 99.99	≥ 99.99	≥ 99.99
BCXL0050	≥ 99.00	≥ 99.50	≥ 99.90	≥ 99.90	≥ 99.99	≥ 99.99	≥ 99.99
BCXL0100	≥ 98.00	≥ 99.00	≥ 99.50	≥ 99.90	≥ 99.98	≥ 99.99	≥ 99.99
BCXL0200	-	≥ 98.00	≥ 99.00	≥ 99.50	≥ 99.90	≥ 99.98	≥ 99.99
BCXL0500	-	-	≥ 98.00	≥ 99.00	≥ 99.50	≥ 99.90	≥ 99.98
BCXL1000	-	-	-	≥ 98.00	≥ 99.00	≥ 99.50	≥ 99.90
BCXL2000	-	-	-	-	≥ 98.00	≥ 99.00	≥ 99.50
BCXL4000	-	-	-	-	-	≥ 98.00	≥ 99.00
BCXL7000	-	-	-	-	-	-	≥ 98.00

FLOW RATES



ORDERING INFORMATION

EXAMPLE: **BCXL0050DOE10E-F** 0.5 µm, DOE, 10" filter with EPDM gaskets

BCXL



Removal Rating

0020 = 0.2 µm
 0050 = 0.5 µm
 0080 = 0.8 µm
 0100 = 1.0 µm
 0200 = 2.0 µm
 0300 = 3.0 µm
 0500 = 5.0 µm
 1000 = 10 µm
 2000 = 20 µm
 4000 = 40 µm
 7000 = 70 µm



Connection

DOE = Double Open End, flat gasket
 HTC = 222 O-ring/Flat (PBT Insert)
 HTF = 222 O-ring/Fin (PBT Insert)
 HSF = 226 O-ring/Fin (PBT Insert)
 SSF = 226 O-ring/Fin (SS Insert)
 SSC = 226 O-ring/Flat (SS Insert)
 STF = 222 O-ring/Fin (SS Insert, 3 Tabs)



Nominal Length

05 = 5"
 10 = 10"
 20 = 20"
 30 = 30"
 40 = 40"



-F

Seal Material

S = Silicone
 E = EPDM
 V = FKM



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