

BEVCLEAR® AB FILTER CARTRIDGES

99% EFFICIENT MULTI-LAYER POLYPROPYLENE MEDIA FILTERS FOR BEVERAGE FILTRATION

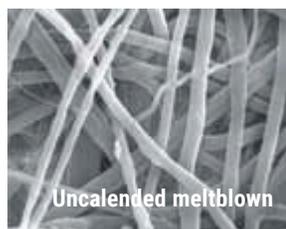
BevClear® AB Filter Cartridges are all-polypropylene pleated depth filters. Characteristics include 99% efficient multilayer media with high particle holding capacity, long service life, and extremely high flow rates. They provide efficient retention of particles in critical applications.

FEATURE

BENEFIT

Two-layer pleated construction

Provides superior flow rate and extended service life.



Nanofiber media

Provides excellent particle retention and filtration performance

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)

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, and EU framework regulation [1935/2004/EC].



Typical Applications

- Clarification
- Particle and Bioburden Reduction
- Pasteurized Filtration
- Wine
- Water
- Beer

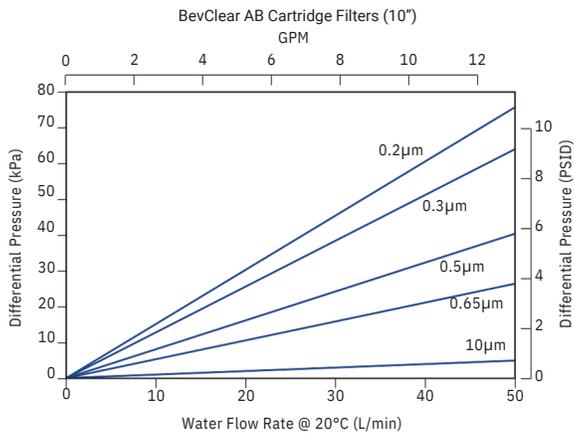
SPECIFICATIONS

Filter media	Multi-Layer Meltblown Polypropylene (Super Fine Nanofiber)
Support	Polypropylene
Cage/Core/End Caps	Polypropylene
O-ring internal support	PBT, Stainless Steel
O-rings	Silicone, EPDM, FKM
Effective filtration area	0.53m ² (5.7 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)	Up to 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	3.0 µm	4.0 µm	5.0 µm	6.0 µm	7.0 µm	10 µm	20 µm
BCAB0020	≥ 99.99	≥ 99.99	≥ 99.99	≥ 99.99	≥ 99.99	≥ 99.99	≥ 99.99	≥ 99.99
BCAB0030	≥ 99.98	≥ 99.99	≥ 99.99	≥ 99.99	≥ 99.99	≥ 99.99	≥ 99.99	≥ 99.99
BCAB0050	≥ 99.90	≥ 99.98	≥ 99.99	≥ 99.99	≥ 99.99	≥ 99.99	≥ 99.99	≥ 99.99
BCAB0065	≥ 99.50	≥ 99.90	≥ 99.98	≥ 99.99	≥ 99.99	≥ 99.99	≥ 99.99	≥ 99.99
BCAB0080	≥ 99.20	≥ 99.50	≥ 99.90	≥ 99.98	≥ 99.99	≥ 99.99	≥ 99.99	≥ 99.99
BCAB0100	≥ 99.00	≥ 99.20	≥ 99.50	≥ 99.90	≥ 99.98	≥ 99.99	≥ 99.99	≥ 99.99
BCAB0300	-	≥ 99.00	≥ 99.20	≥ 99.50	≥ 99.90	≥ 99.98	≥ 99.99	≥ 99.99
BCAB0400	-	-	≥ 99.00	≥ 99.20	≥ 99.50	≥ 99.90	≥ 99.98	≥ 99.99
BCAB0500	-	-	-	≥ 99.00	≥ 99.20	≥ 99.50	≥ 99.90	≥ 99.98
BCAB0600	-	-	-	-	≥ 99.00	≥ 99.20	≥ 99.50	≥ 99.90
BCAB0700	-	-	-	-	-	≥ 99.00	≥ 99.20	≥ 99.50
BCAB1000	-	-	-	-	-	-	≥ 99.00	≥ 99.20
BCAB2000	-	-	-	-	-	-	-	≥ 99.00

FLOW RATES



ORDERING INFORMATION

EXAMPLE: **BCAB0050DOE10E-F** 0.5 µm, DOE, 10" filter with EPDM gaskets

BCAB



Removal Rating

0020 = 0.2 µm
 0030 = 0.3 µm
 0050 = 0.5 µm
 0065 = 0.65 µm
 0080 = 0.8 µm
 0100 = 1.0 µm
 0300 = 3.0 µm
 0400 = 4.0 µm
 0500 = 5.0 µm
 0600 = 6.0 µm
 0700 = 7.0 µm
 0800 = 8.0 µm
 1000 = 10 µm
 2000 = 20 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

COPURE
 FILTRATION

Website: www.copure.com.au
 Email: sales@copure.com.au
 Phone: 02 9139 2850