

BevClear® BW Filter Cartridges

Backwash Polypropylene Media · Particle Removal

Cobetter **BevClear® BW** Filter Cartridges are constructed of nanofiber media with support layers that allow maximum backwash cleaning efficiency. Characterized by its high dirt holding capacity and flow rates, they effectively remove particles. It is recommended for fine filtration in brewing applications.

Features and Benefits

- Special design ensures backwash cleaning and therefore increases filter lifetime
- Super fine nanofiber media provides high dirt holding capacity and retention efficiency
- Provides defined porosity with high filtration area
- No fiber releasing per FDA 21CFR
- Complies with Food Contact Regulations: FDA 21CFR177-182 and 1935/2004 EC

Materials of Construction

Filter Media	Super Fine Nanofiber
Cage/Support	Polypropylene (Nanofiber)
Core/End Caps	Polypropylene

Repetitive
Backwash Cleaning

Trap/Pre-Filtration

Microbiological Stabilization

Gas Filtration

Additional Filters

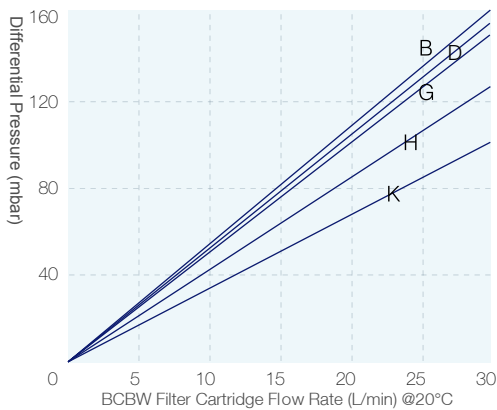


Operating Conditions

Max. Temperature	80°C
Max. Differential Pressure	5.0 bar / 21°C (forward flow) 2.0 bar / 80°C (forward flow) 2.0 bar / 21°C (reverse flow)
Steam Sterilization (Saturated Steam)	≥20 cycles (121°C/30 min @ Max. Differential Pressure of 0.5 bar)
Hot Water Sterilization	85°C/30 min @ Max. Differential Pressure of 2.0 bar
Cleaning Solution	2% NaOH Solution @ ≤ 65°C
Effective Filtration Area	0.6m ² / Φ71-10 inch 1.12m ² / Φ64-30 inch

For BCBW Filter Cartridge backwash and sterilization instructions, please contact your Cobetter Sales Engineer.

Flow Rate Characteristics



Efficiency	>99.99%	99.98%	99.90%	99%	95%	90%
β ratio	10000	5000	1000	100	20	10
B	1.9	1.0	1.2	0.8	0.5	0.1
D	2.2	2.0	1.9	1.2	0.9	0.5
G	3.0	3.0	2.2	1.7	1.3	1.1
H	5.0	5.0	3.4	2.7	2.0	1.7
K	10	10	7.7	5.6	4.1	3.8

Ordering Information

BCBW	Removal Ratings	End Cap	Nominal Length	Seal Material	-F
[Φ71]	B =PPB	DOE =Double Open End	05 = 5"	S =Silicone	
[Φ64]	D =PPD	HTC =222 O-ring/Flat (PBT Insert)	10 =10"	E =EPDM	
	G =HAG	HTF =222 O-ring/Fin (PBT Insert)	20 =20"	V =Viton	
	H =HAH	HSF =226 O-ring/Fin (PBT Insert)	30 =30"		
	K =HAK	SSF =226 O-ring/Fin (SS Insert)	40 =40"		
		SSC =226 O-ring/Flat (SS Insert)			
		STF =222 O-ring/Fin (SS Insert, 3 Tabs)			

* Φ64mm BCBW Filter Cartridge: available in 30", 40", 60", 70" and 80" configuration