BevPure® Filter Cartridges

Single-layer PES Membrane · Sterilizing Grade

BevPure[®] Filter Cartridges are specially designed to provide reliable sterilizing filtration at the most economical costs. Hydrophilic PES membrane filters require no pre-wetting and are ready to use. This filter is recommended for the sterile filtration of a wide range of liquids e.g. diluting water and beverages.

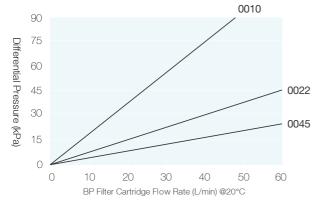
Features and Benefits

- Inherent hydrophilic PES membrane
- Each filter is individually Integrity Tested prior to factory dispatch
- Bacterial Challenge Test with B.diminuta bacteria
- Complies with Food Contact Regulations: FDA 21CFR177-182 and 1935/2004 EC

Materials of Construction

Filter Media	Single-Layer PES Membrane		
Cage/Support	Polypropylene		
Core/End Caps	Polypropylene		

Flow Rate Characteristics



Microbiological Stability





Operating Conditions

Max. Temperature	80°C	
Max. Differential Pressure	4.0 bar / 21°C (forward flow)	
	2.4 bar / 70°C (forward flow))	
Bubble Point	BP: >0.34 MPa (water), 0.22 µm	
	BP: > 0.22 MPa(water), 0.45 µm	
Diffusion Flow	DF: < 30 ml/min/10"@ 0.25Mpa(water), 0.22µm	
	DF: < 28 ml/min/10"@ 0.16Mpa(water), 0.45 µm	
Steam Sterilization (Saturated Steam)	≥200 cycles (135°C/30 min @ Max.Differential Pressure of 0.3 bar)	
Hot Water Sterilization	85°C/30 min @ Max. Differential Pressure of 2 bar	
Cleaning Solution	2% NaOH Solution @ ≤65°C	
Effective Filtration Area	0.58m² / Φ 69-10 inch	

Reliable Microbiological Control

The primary purpose of this membrane filter cartridge in beverage filtration is to effectively remove product spoiling microorganisms

Туріса	Typical Log Reduction Value(LRV)						
R diminuta	Lactobaccilus Brevis	Sasharomyces Cerevisiae					
	N/A	N/A					
	N/A	N/A					
	>7/cm	N/A					
	>4/cm ²	>7/cm ²					
	N/A	>7/cm ²					

es are calculated using the following formula: number of organisms entering the filter otal number of organisms exiting the filter

Ordering Information

BP	-R	Removal Ratings	End Cap	Nominal Length	Seal Material	-F
[Φ69]	Blank	0010 =0.1µm	DOE=Double Open End	10 =10"	S =Slilicone	
		0022 =0.22µm	HTC =222 O-ring/Flat (PBT Insert)) 20 =20"	E =EPDM	
		0045 =0.45µm	HTF =222 O-ring/Fin (PBT Insert)	30 =30"	V =Viton	
			HSF =226 O-ring/Fin (PBT Insert)	40 =40"		
			SSF =226 O-ring/Fin (SS Insert)			
			SSC =226 O-ring/Flat (SS Insert)			
			STF =222 O-ring/Fin (SS Insert, 3	3 Tabs)		

