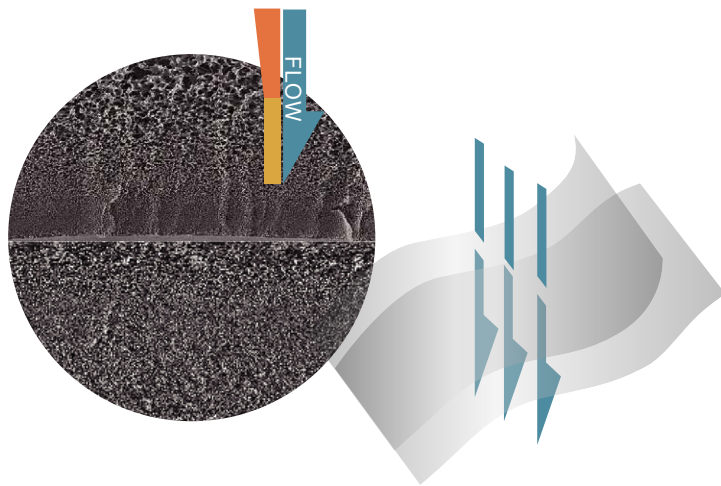


# BevPure® Plus Filter Cartridges

Double-layer PES Membrane · Sterilizing Grade

**BevPure® Plus** Filter Cartridges have been established as a new generation of PES membranes in sterilizing grade filtration. The unique double-layer PES membrane provides excellent microbiological retention with economical filtration. BPP Filter Cartridges can be steam or hot water sterilized frequently for longer service life. They can be used in a wide range of food and beverage applications which demand the highest level of microbiological process safety.



## Features and Benefits

- Double-layer membrane structure provides excellent reliability and safety
- Asymmetric pre-filter layer for longer service life and more economical costs
- Large effective filtration area (0.58 m<sup>2</sup>/10 inch)
- Can be steam sterilized up to 50 sterilization cycles
- Complies with Food Contact Regulations: FDA 21CFR177-182 and 1935/2004 EC

## Materials of Construction

<b>Filter Media</b>	Double-Layer PES Membrane (Asymmetric PES + Symmetric PES)
<b>Cage/Support</b>	Polypropylene
<b>Core/End Caps</b>	Polypropylene



## Microbiological Stability

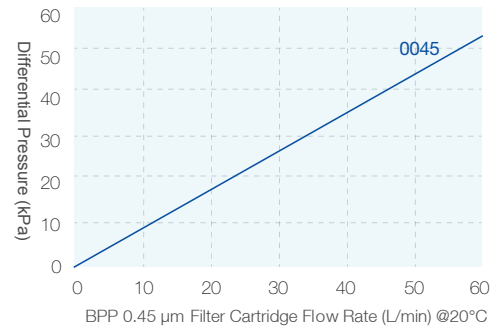
Longer Life & Excellent Filtration Performance



## Operating Conditions

<b>Max. Temperature</b>	80°C
<b>Max. Differential Pressure</b>	4.0 bar / 21°C (forward flow) 2.4 bar / 90°C (forward flow) 2.0 bar / 21°C (reverse flow)
<b>Bubble Point (0.45µm)</b>	>0.16 MPa (water)
<b>Diffusion Flow (0.45µm)</b>	≤0.45 ml/min/30" @ 1200 mbar (water)
<b>Steam Sterilization (Saturated Steam)</b>	≥200 cycles (135°C/30 min @ Max.Differential Pressure of 0.3 bar)
<b>Hot Water Sterilization</b>	85°C/30 min @ Max. Differential Pressure for 2 bar
<b>Cleaning Solution</b>	2% NaOH Solution @ ≤65°C
<b>Effective Filtration Area</b>	0.58m <sup>2</sup> / Φ 69-10 inch

## Flow Rate Characteristics



## Reliable Microbiological Control

Lot,no	S/N	BP Limit	Measured BP	DF Limit	Measured DF	LRV
8081001	365		0.28		28	> 6
8081001	377		0.28		28	> 6
8081001	650		0.28		29	> 6
8082001	932		0.27		28	> 6
8082001	581	>0.22Mpa	0.27	<40ml/min @1500mbr	27	> 6
8082001	596		0.27		28	> 6
8083001	748		0.28		28	> 6
8083001	756		0.28		29	> 6
8083001	268		0.28		28	> 6

## Ordering Information

BPP	Removal Ratings	End Cap	Nominal Length	Seal Material	-F
[Φ69]	0045 =0.45 µm	DOE=Double Open End 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)	05 = 5" 10 =10" 20 =20" 30 =30" 40 =40"	S =Silicone E =EPDM V =Viton	