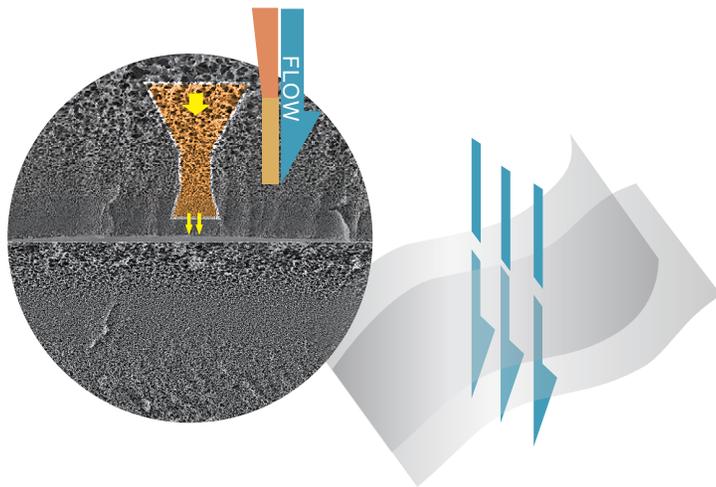


# BevPure Plus Filter Cartridges

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.



Trap/Pre-Filtration

Microbiological Stabilization

Gas Filtration

Additional Filters

## 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

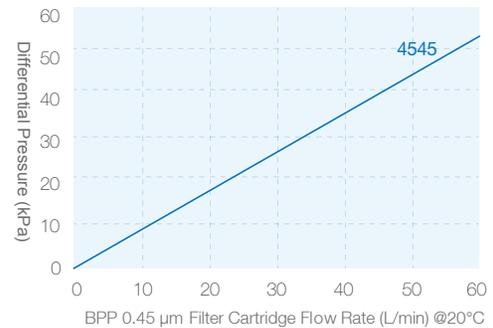
Longer Life & Excellent Filtration Performance



## Operating Conditions

<b>Maximum Operating Pressure</b>	6.9 bar (100 psi) at 25 °C 2.4 bar (35 psi) at 80 °C
<b>Max. Differential Pressure</b>	Forward 6.9 bar (100 psi) at 25 °C 2.4 bar (35 psi) at 80 °C Reverse 3.0 bar (44 psi) at 25 °C
<b>Bubble Point</b>	≥0.34MPa(49psi),air
<b>Diffusion Flow</b>	≤ 20 mL/min @ 2.75 bar
<b>Sterilization</b>	
Inline Steam Sterilization: 100 cycles for 30 minutes at 135 °C (< 0.3 bar, 5 psi). Autoclave: 200 cycles for 30 minutes at 130 °C. Hot water sanitization: 50 cycles for 30 minutes at 85 °C Chemistry sanitization: 50 cycles for 30 minutes at 40 °C in a mix solution of sodium hypochlorite (NaClO, 100 ppm) and peroxyacetic acid (100 ppm).	
<b>Cleaning Solution</b>	2% NaOH Solution @ ≤65°C
<b>Effective Filtration Area</b>	0.6 m <sup>2</sup> (6.5 ft <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]	4522 =0.45+0.22µm 4545 =0.45+0.45µm 6545 =0.65+0.45µm	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	

# Nordic Filtration

At [www.nordicfiltration.com](http://www.nordicfiltration.com) you will find a wide selection of filtration products ready for you to order.

Nordic Filtration offers a wide selection of filtration products for water treatment. We have stock in Denmark from where we distribute all of our products to Scandinavia and the the rest of the world.

You can buy our products on local websites or by contacting us by phone or e-mail. Information about our products as well as brochures and manuals can be found on our website ([www.nordicfiltration.com](http://www.nordicfiltration.com)).

We can adapt all of our filtration products to your needs, and we offer visits from our consultants in order to find the right solution for you.

