

BPUR series polyether sulfone (PES) membrane filter is designed to comply with all FDA requirements for food & beverage industry. The filter media is asymmetric PES membrane which exhibits low protein-binding characteristics.

BPUR filter is an excellent choice as a final filter prior to bottling or storage of beverages and liquid food products.

## Features

- Durable PES and PP components
- Excellent chemical compatibility
- Repeated sterilization capability for economical operation
- 100% integrity tested during manufacture
- Rinsed with EDI water
- Available with configurable end caps and in standard lengths

## Applications

- Brewing
- Wine
- Soft Drinks
- Bottled Water
- Dairy
- Distilled Spirits
- Food and Ingredients

## Dimension

Diameter	2.7" (69mm)
Length	9.75" , 10" , 20" , 30" , 40"

## Material of Constructions

Media	PES
Support	PP
Cage/Core/End	PP
O-Ring	Silicone, EPDM, Teflon®, Buna-N, Viton®

## Performance

### Operating Conditions

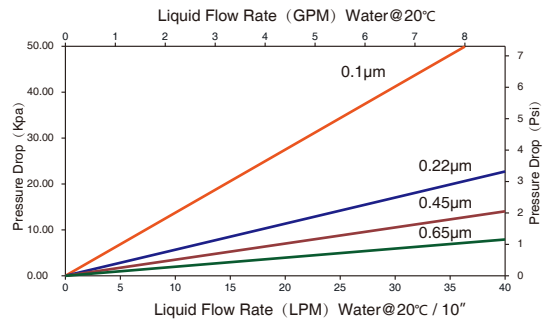
Max. Operating Temperature	175°F
Max. Operating DP	58psi@70°F, 35psi@175°F

### Sanitization

Hot water 100x20 minutes cycles at 185-195°F

### Filtration Area

Ø 2.7" (69mm)                      7 ft² (0.65 m²) / 10" Filter cartridges



## Quality

- Filter Cartridges are manufactured in a Class 10,000 Cleanroom Environment
- 100% integrity tested
- Rinsed with EDI water

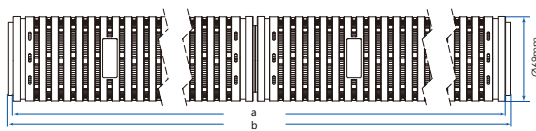
## Food Contact Compliance

- Material of construction comply with FDA regulations for food and beverage contact use as detailed in the US Code of Federal Regulations 21CFR
- Materials used to produce filter media and hardware meets the specifications for biological safety per USP Class VI-121C for plastics
- Filter cartridges passed European Commission Directives (EU10/2011)
- Halal Certified

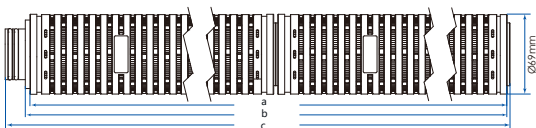
## Integrity Test

Micron	Bubble Point $\geq$ (Water)	Diffusion Flow $\leq$ (10" $\varnothing$ 69mm)
0.1 $\mu$ m	4.8Bar	25ml/min@4.475Bar
0.22 $\mu$ m	3.2Bar	25ml/min@2.76Bar
0.45 $\mu$ m	2.1Bar	25ml/min@1.70Bar
0.65 $\mu$ m	1.32Bar	12ml/min@1.1Bar

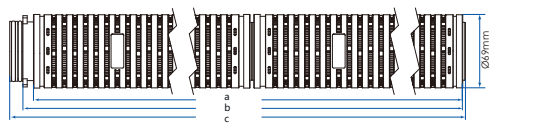
## Dimensions



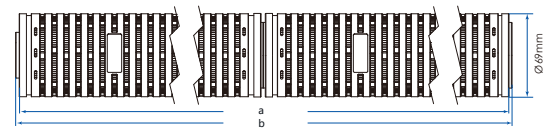
	9.75"	10"	20"	30"	40"
a	239.65 $\pm$ 1	246.0 $\pm$ 1	492.0 $\pm$ 2	742.0 $\pm$ 2	992.0 $\pm$ 2
b	247.65 $\pm$ 1	254.0 $\pm$ 1	500.0 $\pm$ 2	750.0 $\pm$ 2	1000.0 $\pm$ 2



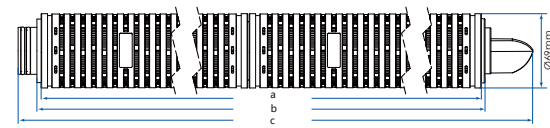
	9.75"	10"	20"	30"	40"
a	239.65 $\pm$ 1	246.0 $\pm$ 1	496.0 $\pm$ 2	746.0 $\pm$ 2	996.0 $\pm$ 2
b	243.65 $\pm$ 1	250.0 $\pm$ 1	500.0 $\pm$ 2	750.0 $\pm$ 2	1000.0 $\pm$ 2
c	263.65 $\pm$ 1	270.0 $\pm$ 1	520.0 $\pm$ 2	770.0 $\pm$ 2	1020.0 $\pm$ 2



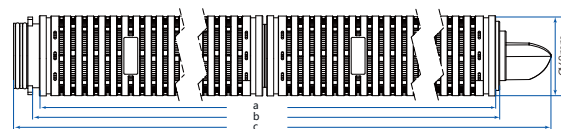
	9.75"	10"	20"	30"	40"
a	238.65 $\pm$ 1	245.0 $\pm$ 1	492.0 $\pm$ 2	742.0 $\pm$ 2	992.0 $\pm$ 2
b	243.65 $\pm$ 1	250.0 $\pm$ 1	500.0 $\pm$ 2	750.0 $\pm$ 2	1000.0 $\pm$ 2
c	262.65 $\pm$ 1	269.5 $\pm$ 1	519.5 $\pm$ 2	769.5 $\pm$ 2	1019.5 $\pm$ 2



	9.75"	10"	20"	30"	40"
a	240.65 $\pm$ 1	247.0 $\pm$ 1	495.5 $\pm$ 2	744.0 $\pm$ 2	992.5 $\pm$ 2
b	246.15 $\pm$ 1	252.5 $\pm$ 1	501.0 $\pm$ 2	749.5 $\pm$ 2	998.0 $\pm$ 2



	9.75"	10"	20"	30"	40"
a	235.65 $\pm$ 1	242.0 $\pm$ 1	492.0 $\pm$ 2	742.0 $\pm$ 2	992.0 $\pm$ 2
b	243.65 $\pm$ 1	250.0 $\pm$ 1	500.0 $\pm$ 2	750.0 $\pm$ 2	1000.0 $\pm$ 2
c	310.15 $\pm$ 1	316.5 $\pm$ 1	562.5 $\pm$ 2	812.5 $\pm$ 2	1062.5 $\pm$ 2



	9.75"	10"	20"	30"	40"
a	235.65 $\pm$ 1	242.0 $\pm$ 1	492.0 $\pm$ 2	742.0 $\pm$ 2	992.0 $\pm$ 2
b	247.65 $\pm$ 1	254.0 $\pm$ 1	500.0 $\pm$ 2	750.0 $\pm$ 2	1000.0 $\pm$ 2
c	305.65 $\pm$ 1	312.0 $\pm$ 1	562.0 $\pm$ 2	812.0 $\pm$ 2	1062.0 $\pm$ 2

## Ordering Information



Length	Removal Rating	End Cap	Seal Material
97=9.75"	02=0.22 $\mu$ m	DOE=DOE	B = Buna N
10=10"	04=0.45 $\mu$ m	213 = 213 Internal O-Ring	E = EPDM
20=20"	06=0.65 $\mu$ m	222FL = 222/Flat	V = Viton®
30=30"	08=0.80 $\mu$ m	222FN = 222/Fin (Spear)	S = Silicone
40=40"	12=1.2 $\mu$ m	226FL = 226/Flat	T = Teflon®
		226FN = 226/Fin (Spear)	

DISCLAIMER: Filtration data presented is representative of performance observed in controlled laboratory testing. It is not given as a warranty, specification or statement of fitness for use. Specific performance can vary widely depending on contaminant type, fluid properties, flow rates and environmental conditions. It is recommended that users conduct thorough qualification testing to assure the product functions as required.