

# GPUR Series

PS General Grade

Pleated Filter Cartridge

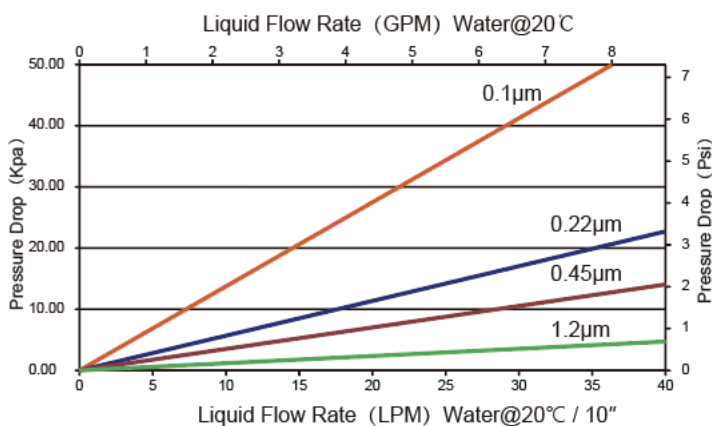


GPUR Series PS Filter Cartridge is constructed of highly asymmetric hydrophilic Polysulfone membrane and polypropylene components. The unique PS membrane delivers high flow rate, long life time and excellent particle removal efficiency. All the cartridges are made in the controlled class 10,000 cleanroom environment.

- Highly asymmetric polysulfone membrane provides excellent dirt holding capacity and flow characteristics
- Hydrophilic polysulfone membrane eliminates the need for prewetting and flushing
- Asymmetric membrane structure provides high flow rates with lower differential pressure and a longer life time
- Widely compatible with cleaning applications in many processes such as developing, etching and stripping
- Manufactured in controlled cleanroom environment
- Available with configurable end caps and in standard lengths



## PERFORMANCE



## PRODUCT SPECIFICATIONS



### Micron Sizes

0.1, 0.22, 0.45, 1.2



### Max Operating Differential Pressure

58psi@70°F

35psi@175°F



### Nominal Lengths

9.75", 10", 20", 30", 40"



### Operating Temperature

175°F (79.4°C)\*



### Materials of Construction

Media: PS- Polysulfone

Support: PP- Polypropylene

Cage/Core/End: PP- Polypropylene

O-Ring: Silicone, EPDM, Teflon,

Buna-N, Viton



### Outside Diameters

2.7" (69mm)

\*Temperature ratings vary and depend on pressure and time under load.

## QUESTIONS?

Ask our Service Representatives at:

888.859.1188 Mon. - Fri. 8a - 8p, Sat 8:30a - 4:30p EST.

Neologic Inc. | Greenville SC | Salt Lake City UT | Houston TX

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## APPLICATIONS

- General-Use water filtration
- Deionized water systems
- Liquid clarification
- Chemical filtration
- Ultra-Pure water systems

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## ORDERING INFORMATION (GPUR-1002-213-B)

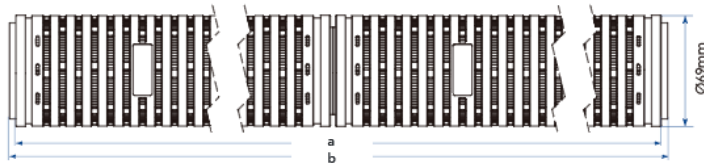
GPUR	-10	02	-213	-B
<b>Lengths</b>	<b>Removal Rating</b>	<b>End Cap</b>	<b>Seal Material</b>	
97=9.75"	01=0.10µm	DOE = DOE	B = Buna N	
10=10"	02=0.20µm	213 = 213 Internal O-Ring	E = EPDM	
20=20"	04=0.45µm	222FL = 222/Flat	V= Viton®	
30=30"	12=1.20µm	222FN = 222/Fin (Spear)	S = Silicone	
40=40"		226FL = 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.

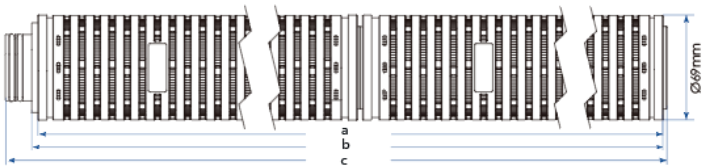
## INTEGRITY TEST

Micron	Bubble Point <sub>≥</sub> (Water)	Diffusion Flow <sub>≤</sub> (10"Ø69mm)
0.1µm	4.5Bar	35ml/min@3.9Bar
0.22µm	3.2Bar	25ml/min@1.7Bar
0.45µm	2.75Bar	25ml/min@1.7Bar

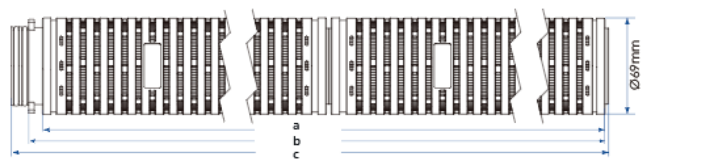
## DIMENSIONS



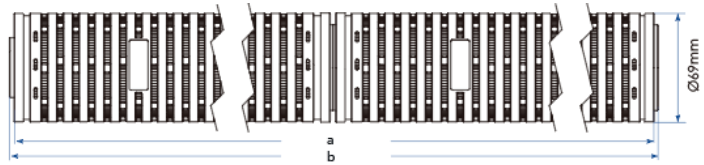
	9.75"	10"	20"	30"	40"
a	239.65±1	246.0±1	492.0±2	742.0±2	992.0±2
b	247.65±1	254.0±1	500.0±2	750.0±2	1000.0±2



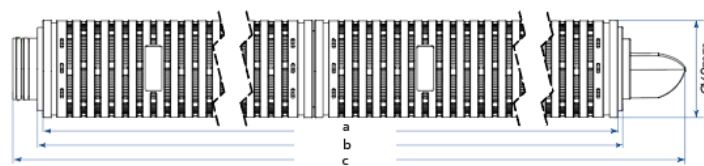
	9.75"	10"	20"	30"	40"
a	239.65±1	246.0±1	496.0±2	746.0±2	996.0±2
b	243.65±1	250.0±1	500.0±2	750.0±2	1000.0±2
c	263.65±1	270.0±1	520.0±2	770.0±2	1020.0±2



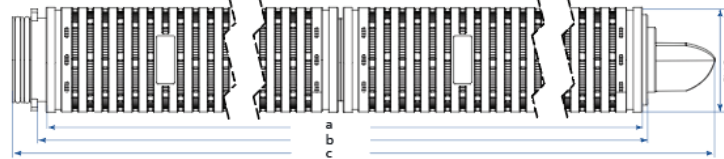
	9.75"	10"	20"	30"	40"
a	238.65±1	245.0±1	492.0±2	742.0±2	992.0±2
b	243.65±1	250.0±1	500.0±2	750.0±2	1000.0±2
c	262.65±1	269.5±1	519.5±2	769.5±2	1019.5±2



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



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



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