

PAA series polyethersulfone (PES) membrane filter is designed to provide greater bacteria and particle removal at high flow rates and low pressure drops in a wide range of biological fluids. It offers the greatest assurance of filtration performance, stability and service life. All components of PAA filter cartridge comply with FDA regulations for food contact use.

Features

- Durable PES and PP components
- Highly porous asymmetric membrane
- Excellent chemical compatibility
- Low extractables
- 100% integrity tested during manufacture

Applications

- Large infusion (LVP), small injection (SVP), eye drops
- sterilization filtration
- Sterilization filtration of biological product
- Sterilization filtration of antibiotic aqueous solution
- Cleaning fluid and disinfectant sterilizing filtration

Dimension

Diameter	69mm
Length	5" , 10" , 20" , 30" , 40"

Material of Constructions

Media	PES
Support	PP
Cage/Core/End	PP
Connection Adaptor	SS Insert, PSU Insert
O-Ring	Silicone, EPDM , Viton®

Performance

Operating Conditions

Max. Operating Temperature	80°C
Max. Operating DP	4 Bar@21°C , 2.4 Bar@80°C

Sterilization

Autoclave Sterilization	121°C , 60 Min
SIP	125°C , 30 Min

Bacterial Retention

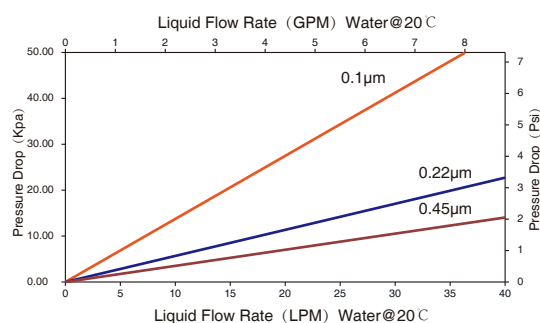
0.22µm	LRV ≥ 7 Pseudomonas diminuta
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Filtration Area

Ø 69mm	0.58 m² / 10" Filter cartridges
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Extractables

10" Filter Cartridges	< 20mg
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Quality

- Filter Cartridges are manufactured in a clean room environment
- Manufactured according to ISO9001:2015 certified Quality Management System
- 100% integrity test

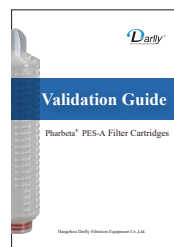
Food Contact Compliance

- 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

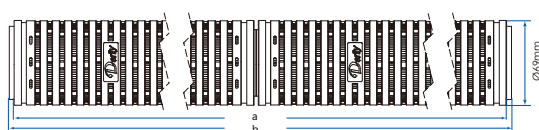
Integrity Test

Micron	Bubble Point ≥ (Water)	Diffusion Flow ≤ (10"Ø69mm)
0.1µm	4.8Bar	25ml/min@4.475Bar
0.22µm	3.2Bar	25ml/min@2.76Bar
0.45µm	2.1Bar	25ml/min@1.70Bar
0.65µm	1.32Bar	12ml/min@1.1Bar

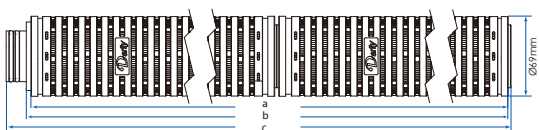
Validation Guide



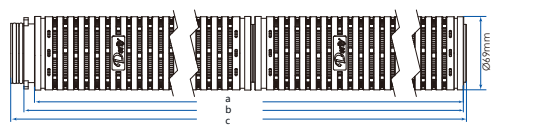
Dimensions



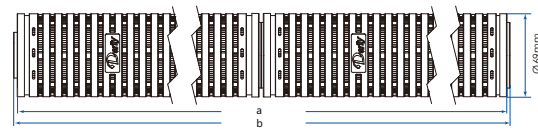
	5"	10"	20"	30"	40"
a	116.0±1	246.0±1	492.0±2	742.0±2	992.0±2
b	125.0±1	254.0±1	500.0±2	750.0±2	1000.0±2



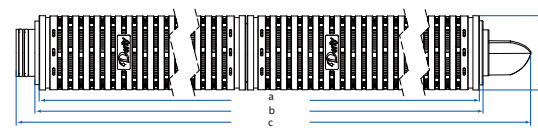
	5"	10"	20"	30"	40"
a	116.0±1	246.0±1	492.0±2	742.0±2	992.0±2
b	120.0±1	250.0±1	500.0±2	750.0±2	1000.0±2
c	140.0±1	270.0±1	520.0±2	770.0±2	1020.0±2



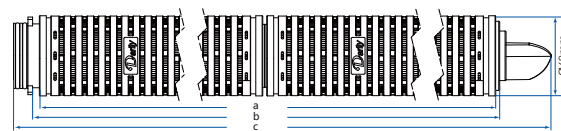
	5"	10"	20"	30"	40"
a	115.0±1	245.0±1	492.0±2	742.0±2	992.0±2
b	120.0±1	250.0±1	500.0±2	750.0±2	1000.0±2
c	139.5±1	269.5±1	519.5±2	769.5±2	1019.5±2



	5"	10"	20"	30"	40"
a	115.0±1	247.0±1	495.5±2	744.0±2	992.5±2
b	120.0±1	252.5±1	501.0±2	749.5±2	998.0±2



	5"	10"	20"	30"	40"
a	116.0±1	242.0±1	492.0±2	742.0±2	992.0±2
b	125.0±1	250.0±1	500.0±2	750.0±2	1000.0±2
c	187.5±1	316.5±1	562.5±2	812.5±2	1062.5±2



	5"	10"	20"	30"	40"
a	116.0±1	242.0±1	492.0±2	742.0±2	992.0±2
b	125.0±1	254.0±1	500.0±2	750.0±2	1000.0±2
c	187.0±1	312.0±1	562.0±2	812.0±2	1062.0±2

Ordering Information

PAA

0022

R

10

S

Removal Rating	End Cap Type	Length	Seal Material
0010=0.1µm	K = 222(SS) / Fin	5=5"	S = Silicone
0022=0.22µm	R = 226(SS) /Fin	10=10"	E = EPDM
0045=0.45µm	V = 226(SS) /Flat	20=20"	V = Viton®
0065=0.65µm	J = 222(SS) /Flat	30=30"	
	G = 226(PSU) /Flat	40=40"	

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.





C E R T I F I C A T E

ATTESTATION CERTIFICATE OF RoHS COMPLIANCE DIRECTIVE 2011/65/EU

Technical File of the company mentioned below has been inspected and assessment has been completed successfully

2011/65/EU RoHS Compliance of Directive have been taken as references for these processes

Company Name : **Hangzhou Darlly Filtration Equipment Co.,Ltd.**

Company Address : No.1 North Beishan Rd,Xindeng,Fuyang,Hangzhou,
Zhejiang province,311404,China

Related Directives and Annex : **Directive 2011/65/EU Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment**

Related Standards : EN 50581:2012

Product Name : Filter Cartridge

Report No and Date : SCC(17)50007A-10-1-RoHS

Product Brand/Model/Type : 
Bxxxxxxx,DLxxxxxxx



Certificate Number : **M.2016.201.N1639**

Initial Assessment Date : 19.07.2017

Registration Date : 20.07.2017

Reissue Date/No : -

Expiry Date : **19.07.2022**


UDEM International Certification
Auditing Training Centre Industry
and Trade Co. Ltd.

The validity of the certificate can be checked through www.udemltd.com.tr. The CE Mark shown on the right can only be used under the responsibility of the manufacturer with the completion of EC Declaration of Conformity for all relevant directives. Other relevant directives for CE Marking directives have not been considered during RoHS assessment even they may apply. The result relates only to the item(s) tested and no amounts above the limites have been detected. This certificate remains as the property of UDEM International Certification Auditing Training Centre Industry and Trade Co., Ltd. whom it must be returned upon request. The above names firm must keep a copy of this certificate for 15 years from the registration of certificate. This certificate only covers the product(s) stated above and UDEM must be noticed in case of any change(s) on the product.

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