

Product PN	CIKPS	Mod. 984
Description	PES Capsule Filter	Rev. 01

# Capsule Filter PES Membrane



				ORDERING INF	ORMATION			
INFORMATION	Product Type	Membrane Mem Type pore	brane Application	Sterilization	Size	Fittings In/Out	Vent/Drain	Revision
	CIK = Capsule InT Filter	PS = PES 0010 =	0.1 μm B =Low Bio	N = Not Sterile	SS = 2.5"	5TC = 1.5" TC	SS = St/St	0 = Bag label
		0020 =	0.2 μm		LL = 5"	2HB = 1/2" HB	HH = HB/HB	1 = Housing label
		0045 =	0.45 μm		TE = 10"	4HB = 3/4" HB	SH = St/HB	
		0065 =	0.65 μm		TW = 20°	T2B = 1.5" TC/ 1/2" HB	HS = HB/St	
		0080 =	0.80 μm		TH = 30"	T4B = 1.5" TC/ 3/4" HB		
		0120 =	1.2 µm		FO = 40"	2BT = 1/2"HB/ 1.5 TC		
						2B4 = 1/2"HB/ 3/4"HB		
						4BT = 3/4"HB/ 1.5"TC 4B2 = 3/4"HB/ 1/2"HB		
	to the media. valuable prote •Cell Culture M • Large Volume	The lower bindein solutions s	ing characteris	stics of poly	ethersulf	icts that contain s fone make it a go		
	Pharmaceutic     Diagnostics     Blood and Se     Purified Wate     Beer, Wine a     Juice & Soft I     Bottled Wate	er nd Spirits Drinks	al Solutions					



FILTER TECHNOLOGY			
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PRODUCT CHARACTERISTIC	Dimensions and filtration area: 0.6 m^2/10" Fittings: 1.5" TC, 1/2" HB, 3/4" HB, 1.5" TC/ 1/2" HB, 1.5" TC/ 3/4" HB, 1/2"HB/ 1.5 TC, 1/2"HB/ 3/4"HB, 3/4"HB/ 1.5"TC, 3/4"HB/ 1/2"HB.		
OPERATING CONDITIONS	Maximum Forward Differential Pressure  Minimum Bust Pressure  Maximum Forward Differential Pressure  Maximum Reverse Differential Pressure  Maximum Operating Temperature	nal Limits  Liquid:5.5 bar(80psi) at 77℉/25℃  Gas:4.1 bar(60psi) at 77℉/25℃  8.5 bar(120psi) at 77℉/25℃  5 bar(72psi) at 68℉/20℃  3.0 bar(44psi) at 68℉/20℃  176℉/80℃	
SANITIZATION/ STERILIZATION	Capsules can be chemically sanitized by comm Capsules are multi-cycle autoclavable 25 times	on sanitizing agents or hot water at 194 $^{\circ}$ F/90 $^{\circ}$ C fo at 257 $^{\circ}$ F/125 $^{\circ}$ C for 30 minutes.	r a limited time.
REGULATORY COMPLANCE	The filters are constructed with polypropylene the US Code of Federal Regulations and USP (EU10/2011 compliant. FDA food contact compliant ROHS Directive 2011/65/EU Bio-safety according to ISO 10993 Resins used to make plastic parts of cartridge		CFR Part 177 of
CERTIFICATE OF COMPLIANCE	All shipments shall include documentation certif lot data results, test method and performance s	ying the product lot meets these specifications and pecification limits.	d must include
PERFORMANCE REQUIREMENTS	Water wetted membrane           Pore size         Min.Bubble point         Diffusive Flow/1           0.04 μm         2.3 barg@22°C/IPA         ≤ 25 ml/ 1.7 barg@22°C/IPA           0.1 μm         1.7 barg@22°C/IPA         ≤ 25 ml/ 1.3 barg@22°C           0.2 μm         3.5 barg@22°C         ≤ 25 ml/ 2.8 barg@22°C           0.45 μm         2.3 barg@22°C         ≤ 25 ml/ 1.7 barg@22°C	rg rg	

≤ 25 ml/ 1.0 barg

 $\leq\!25$  ml / 0.8 barg

≤ 25 ml/ 0.6 barg

1.6 barg@22°C 1.3 barg@22°C

0.9 barg@22°C

0.65 µm

1.2 µm



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VISUAL REQUIREMENTS  PACKAGING AND LABELLING	Visual acceptance requirements apply of Instrument inspection: with naked eye Distance: 350-400mm Sampling plan according to ISO 2859 painspection.  Specification Free of foreign particles Free of cracks Clear printing of labels  Each product and inner carton are labelled of Product code and description Lot number Quantity Working conditions	AQL 0.65	vel inspection, single sampling plan, nor	rmal
TRACEABILITY	To enable traceability of capsule, the medithe cage or end caps.	ia description,	micron rating and batch number shall be en	ngraved on



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### **DRAWING** 328 10 " 5 " 7.5 Ø89 Ø85 341 359 1.5"TC-1.5"TC 1.5"TC-3/4"SHB 1.5"TC-1/2"SHB 3/4"SHB-3/4"SHB 1/2"SHB-1/2"SHB Store the product at room temperate, in a dry place, free of dust and not exposed to direct sunlight. STORAGE NOTICE Many factors beyond GVS control can affect the use and performance in particular application, including the conditions under which the product is used. Since these factors are uniquely within the user's knowledge and control, it is essential to do the evaluation before the user to determine whether the product is fit for the particular purpose and suitable for the user's application. GVS makes no other warranties including, but not limited to, and implied warranty of merchantability or fitness WARRANTY; LIMITED REMEDY; for a particular purpose. LIMITED Except where prohibited by law, GVS will not be liable for any indirect, special, incidental or consequential loss or damage arising from this product, regardless of the legal theory asserted. LIABILITY

This material specification describes the properties of product above indicated.

This document contains general requirements, material description, drawing references, defect specification, biological material requirements.



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#### **REVISIONS AND APPROVALS:**

DATE	REV.		ISSUED AND CONTROLLED BY: (name /function and signature)	APPROVED BY: (name /function and signature)
2023/3/20	01	Initial release	Rachel Zhuang/Project Engineer	Jeff Zhou/Quality Manager

#### Customer Approval:

We accept this material specification as a part of the agreed terms of delivery			
Company name			
Approved by:			
Date	(Name, Function)	(Signature)	
		(Company stamp)	

Please send back this document signed for approval. If we will not receive this specification signed , we consider the first order placed as implicit approval.