

9066/701	
3000//01	
	Mod. 984A
	Bay 06
	Rev. 06
	9066/701 MINI Filter



PRODUCT DESCRIPTION	Inlet/Outlet Connectors: 22mm Male / 15mm Female and 22mm Female / 15mm Male ISO and Ø4.3mm ISO Luer Port.
	Approx. dimensions: 73.1mm height x Ø48.1mm.
	Weight: 20g (approx.). Bidirectional Filter.
MANUFACTURER	GVS Filter Technology UK
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	Information
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INTENDED USE /	Filters protect the patient's airways effectively from exogenous microbial loads, thus reducing
APPLICATION	the risk of extrinsic colonisation and infection. Used to help reduce cross contamination between
	patient and machine. The luer port connector is used for monitoring respiratory and/or anaesthesia gases.
CLASS OF THE	Disposable medical device - Class IIa
PRODUCT	
	Rule 2 Annex IX 93/42 / EEC
	Rule 5 Annex VIII MDR 2017/745
MATERIALS	Filter media: Electrostatic Blended Synthetic Fiber
	Frame/Housing Polymer: Transparent Green Polypropylene (PP)
	Colour: Transparent Green
	Regulatory Documentation Required:
	- Biocompatibility according ISO 10993-1
	- ROHS
	- BSE/TSE
	- DEHP plasticizer Free and latex free
	- Aging - REACH
	- Conflict minerals



Product P/N	9066/701 Mod. 984
Description	MINI Filter Rev. 06
PRODUCT	Appearance/Visual
CHARACTERISTICS	As shown on drawing.
	Physical/Mechanical Approx. dimensions: 73.1mm height x Ø48.1mm. Weight: 20g (approx.).
	Interfaces (ex: Input / Output connectors): 22mm Male / 15mm Female and 22mm Female / 15mm Male ISO and Ø4.3mm ISO Lue Port.
	Operating temperature Range: N/A Storage temperature Range: 5 °C to 40 °C Bidirectional Filter.
	Biological Pyrogenicity: <0.3 EU/mI Biocompatibility to ISO10993 Category – Surface device Contact – Skin Contact Duration - <24hrs
	Functional Air Flow Rate: 15I/min, 30I/min, 60I/min.
	Filtration Efficiency: <i>NaCl Filter Efficiency</i> @ 30L/min using TSI 8130: Min. 90.5% (Ref.9065/760 REP: 1878/19 with Factor of Safety added to Min.)
	Pressure Drop: Flow Resistance @ 15L/min in accordance with EN ISO 9360-1: Max. 105.6Pa Flow Resistance @ 30L/min in accordance with EN ISO 9360-1: Max. 225.5Pa Flow Resistance @ 60L/min in accordance with EN ISO 9360-1: Max. 507.1Pa (REP:0903/16 with 10% of safety margin added to Max.)
	Internal Volume: 24ml (approx.)
	Operating Lifetime: Refer to Instructions for Use.
	Shelf Lifetime: 5 years from the date of manufacture.
	Bacterial Filtration Efficiency in accordance with ASTM F2101-07: Min. 99.999% (Staphylococcus aureus @ 30L /minute) Ref.9066/711 REP: EXT486704F.
	Viral Filtration Efficiency in accordance with ASTM F2101-07: Min. 99.99% (Bacteriophage @ 30L/ minute) Ref.9066/711 REP: EXT486705F.1.
	Gas leakage in accordance with EN9360: Max. 0.0 ml/min (REP:1273/17)
	Cleanliness Device assembled within Class 8 Cleanroom.



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	Testing Leak test at 3PSI.
INSTRUCTIONS / WARNINGS	Multi-language IFU available.
PRODUCT SHELF LIFE	5 years from the date of manufacture.
STERILIZATION	Expiration date and date of manufacture are detailed on the product labelling. Sterile version of product available (Ethylene oxide -Max 55°C)
APPLICABLE STANDARDS AND REGULATIONS	Product Certification required: - CE mark - FDA
	Applicable Standards and Technical Regulations: Biological evaluation of Medical Devices - Part 1: Evaluation and Testing - ISO 10993-1.
	Respiratory protective devices - Method for test - Part 7: Determination of particle filter penetration - BS EN 13274-7.
	Medical devices- Application of risk management to medical devices - BS EN ISO 14971.
	Medical devices – symbols to be used with medical device labels, labelling and information to be supplied - Part1: General requirements - ISO 15223-1.
	Breathing system filters for anaesthetic and respiratory use — Part 1: Salt test method to assess filtration performance - ISO 23328-1.
	Anaesthetic and respiratory equipment – conical connectors – part 1: Cones and sockets – ISO 5356-1.
	Sterilization of health care products – Ethylene oxide sterilization – ISO 11135-1.
	Sterilization of medical devices – Microbiological Methods – Part 1: Estimation of population of Microorganisms on products – ISO 11737-1.
PACKAGING AND LABELING	 Number of pcs per bag is determined by the sales order. The first barcode label is applied to the outside of the bags. The second barcode label is applied onto the outside of the box. Each bag is labelled with the following traceability information: Quantity Product description Product Date Lot Number (OL and 5-digit batch number to trace back to raw materials used) Operator Code Different lots in one box are separately closed and separately labelled. Bulk products will be packed in double PE bags.
CERTIFICATE OF COMPLIANCE	With each shipment, GVS UK Customer Service will send the CofC to the Customer, based on the lot numbers and date of manufacture. Conformity declaration is printed on every invoice and Certificate is according to UNI EN 10204 type 2.1.



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	The Quality management system is in compliance with ISO 13485.
DRAWING	The attached drawing is part of this product specification and must not be duplicated or made accessible to a third party without written permission from GVS Filter Technology UK Ltd.
	22 Female / 15 Male Connector in accordance with EN ISO 5356
	22 Male / 15 Female Connector in accordance with EN ISO 5356
	∅48.1
	Approximate dimensions for reference only
ACCEPTABLE QUALITY LEVEL	AQL: 0.65 with sampling Plan: ISO2859.
VISUAL REQUIREMENTS	Visual acceptance requirements apply when inspected under below conditions: Magnification: Unaided eye at a distance of approximately 35-40cm. Light type: Lighting level must be reasonable for visual detection. Timings: Maximum inspection period per item is 25 seconds. For detailed defect list, refer to product control plan.



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			Acceptance Requirement	AQL	Sampling Plan	
		1	Black particle contamination	0.65		
		2	Damaged/broken item	0.65		
		3	Blocked connector/luer	0.65		
		4	Weld marks	0.65		
		5	Short fill moulding	0.65		
		6	Rough surface or edges	0.65	ISO 2859 Part 1	
		7	Pronounced injection gate	0.65	General Inspection Level 1	
		8	Deformation/distortion	0.65		
		9	Crack	0.65		
		10	Oil/grease	0.65		
		11	Wrong colour	0.65		
		12	Weld fault	0.65		
GENERAL SAFETY	EXERAL SAFETY Special characteristic: Product characteristic which can affect safety or compliance with					
AND PERFORMANCE	regulations, fit, function, performance or subsequent processing of product.					
REQUIREMENTS	Special Characteristic # 01:					
	Flo	Flow Resistance @ 15L/min in accordance with EN ISO 9360-1,				
	Flow Resistance @ 30L/min in accordance with EN ISO 9360-1,					
	Flow Resistance @ 60L/min in accordance with EN ISO 9360-1.					
	Special Characteristic # 02: NaCl Filter Efficiency @ 30L/min using TSI 8130 in accordance					
	with EN 13274-7.					
	Special Characteristic # 03: Bacterial Filtration Efficiency in accordance with ASTM F2101-07,					
	Vira	al Fi	iltration Efficiency in accordance with ASTM F2101-07.			
	Spe	ecia	Il Characteristic # 04: Conical connectors compliant in accord	lance v	vith EN5356.	
	Spe	<u>ecia</u>	I Characteristic # 05: Gas Leakage compliant in accordance	with El	V9360.	
			n describes the properties of product above indicated. The aterial description, drawing references, defect specificatio requirements.			



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REVISIONS AND APPROVALS:

DATE	REV.	REASON FOR CHANGE	ISSUED AND CONTROLLED BY: (NAME/FUNCTION/SIGNATURE)	APPROVED BY: (NAME/FUNCTION/SIGNATURE)
11/08/2021	4	Internal volume and sterilization sections updated.	Kinga Gawdzik – Engineering Support Technician	Andrew Pearce – Quality Manager
			Cauda.	leth

CUSTOMER APPROVAL:				
We accept this material specification as a part of the agreed terms of delivery.				
Company Name:				
Approved by:				
NAME/FUNCTION				
SIGNATURE				
DATE				
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.				