

Product P/N	4444/06	
		Mod. 984A
Description	Slimline Electrostatic with Integral Mouthpiece	Rev. 06

# 4444/06 Slimline Electrostatic with Integral Mouthpiece



PRODUCT DESCRIPTION	Inlet/Outlet Connectors: 22mm Female/15mm Male – Mouthpiece. Approx. dimensions: 68.6mm diameter x 93mm height. Weight: 26g (approx.). Bidirectional Filter.
	Bidirectional Filter.
MANUFACTURER NAME	GVS Filter Technology UK NFC House Vickers Industrial Estate Mellishaw Lane, Morecambe Lancashire LA3 3EN - United Kingdom
	Information Tel. +44 (0) 1524 847600 e-mail: gvsuk@gvs.com
INTENDED USE / APPLICATION	Filters protect the patient's airways effectively from exogenous microbial loads, thus reducing the risk of extrinsic colonisation and infection. Used to help reduce cross contamination between patient and machine.
CLASS OF THE PRODUCT	Disposable medical device - Class IIa  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 Clear Polypropylene (PP) Colour: Transparent Clear
	Regulatory Documentation Required: - Biocompatibility according ISO 10993-1 - ROHS - BSE/TSE
	<ul> <li>DEHP plasticizer Free and latex free</li> <li>Aging</li> <li>REACH</li> <li>Conflict minerals</li> </ul>
PRODUCT CHARACTERISTICS	Appearance/Visual As shown on drawing.



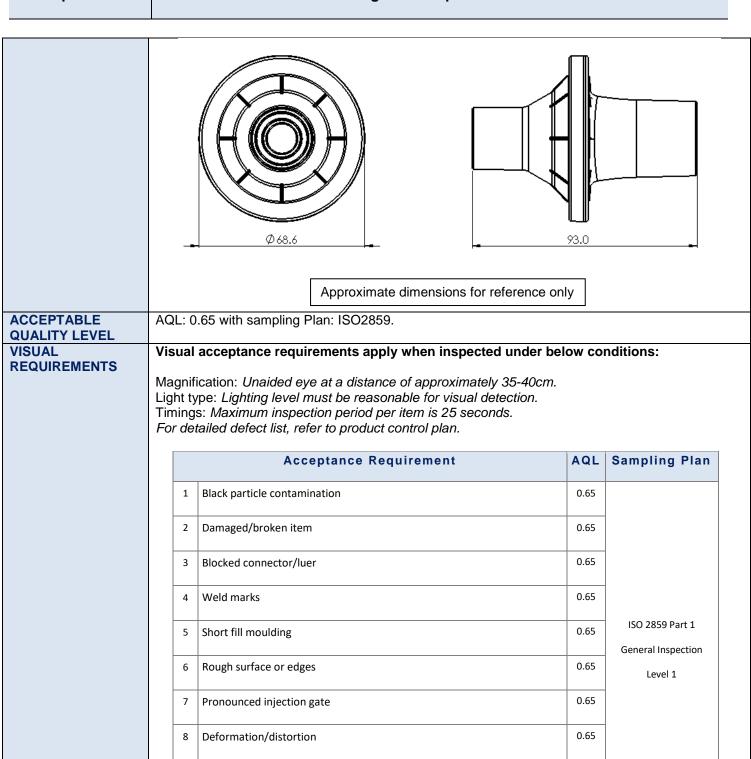
Product P/N	4444/06 Mod. 984/	Mod 984A
Description	Slimline Electrostatic with Integral Mouthpiece Rev. 06	
	Physical/Mechanical	
	Approx. dimensions: 68.6mm diameter x 93mm height.  Weight: 26g (approx.).  Interfaces (ex: Input / Output connectors): 22mm Female/15mm Male – Mouthpiece.  Operating temperature Range: N/A  Storage temperature Range: 5 °C to 40 °C  Bidirectional Filter.	
	Biological Pyrogenicity: <0.3 EU/ml Biocompatibility to ISO10993 Category – Surface device Contact – Oral cavity Contact Duration - <24hrs	
	Functional Air Flow Rate: 301/min, 601/min, 901/min.	
	Filtration Efficiency: Filter Efficiency @ 30L/min using TSI 8130: Min. 97.5% (REP: 1687/19 with factor of safety applied to Min.)	
	Pressure Drop: Flow Resistance @ 30I/min in accordance with EN ISO 9360-1: Max. 118Pa Flow Resistance @ 60I/min in accordance with EN ISO 9360-1: Max. 264Pa Flow Resistance @ 90I/min in accordance with EN ISO 9360-1: Max. 441Pa (REP:1688/19 with 10% of safety margin added.)	
	Internal Volume: 48ml (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: <b>Min. 99.999%</b> (Staphylococcus aureus @ 30L /minute) REP: EXT439447.	
	Viral Filtration Efficiency in accordance with ASTM F2101-07: <b>Min. 99.9</b> % (Bacteriophage @ 30L/ minute) REP: EXT439446.	
	Gas leakage in accordance with EN9360: Max. 0.0 ml/min (REP: 1689/19)	
	Cleanliness Device assembled within Class 8 Cleanroom.	
	Testing  Leak test at 3PSI.	
NSTRUCTIONS / VARNINGS	Multi-language IFU available.	



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PRODUCT SHELF LIFE	5 years from the date of manufacture.  Expiration date and date of manufacture are detailed on the product labelling.		
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.		
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: <ul> <li>Quantity</li> <li>Product description</li> <li>Product Date</li> <li>Lot Number (OL and 5-digit batch number to trace back to raw materials used)</li> <li>Operator Code  <ul> <li>Different lots in one box are separately closed and separately labelled.</li> <li>Bulk products will be packed in double PE bags.</li> </ul> </li> </ul>		
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.  The Quality management system is in compliance with ISO 9001, ISO 13485		
DRAWING	The Quality management system is in compliance with ISO 9001, ISO 13485.  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.		



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Crack

10 Oil/grease

9

0.65

0.65



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	11 Wrong colour 0.65		
	12 Weld fault 0.65		
GENERAL SAFETY AND PERFORMANCE REQUIREMENTS	Special characteristic: Product characteristic which can affect safety or compliance with regulations, fit, function, performance or subsequent processing of product.  Special Characteristic # 01:  Flow Resistance @ 30L/min in accordance with EN ISO 9360-1  Flow Resistance @ 60L/min in accordance with EN ISO 9360-1  Flow Resistance @ 90L/min in accordance with EN ISO 9360-1  Special Characteristic # 02: Filter Efficiency @ 30L/min using TSI 8130 in accordance with EN 13274-7.		
	<b>Special Characteristic # 03:</b> Bacterial Filtration Efficiency in accordance with ASTM F2101-07		
	Viral Filtration Efficiency in accordance with ASTM F2101-07		
	Special Characteristic # 04: Conical connectors compliant in accordance with EN5356		

This material specification describes the properties of product above indicated. This document contains general requirements, material description, drawing references, defect specification, biological material requirements.

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

[	DATE	REV.	REASON FOR CHANGE	ISSUED AND CONTROLLED BY: (NAME/FUNCTION/SIGNATURE)	APPROVED BY: (NAME/FUNCTION/SIGNATURE)
	08/09/2021	4	Internal volume corrected.	Kinga Gawdzik – Engineering Support Technician	Andrew Pearce – Quality Manager



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CUSTOMER APPROVAL:			
We accept this material specification as a part of the agreed terms of delivery.			
Company Name:			
Approved by:			
NAME/FU	NCTION		
SIGNATU	RE		
DATE			
COMPAN	V STAMD		
COMPAN	I STAWF		

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.