

Product P/N	4444/01BWK	
		Mod. 984A
Description	Slimline Electrostatic with Mouthpiece	Rev. 06

4444/01BWK

Slimline Electrostatic with Mouthpiece



PRODUCT DESCRIPTION	Inlet/Outlet Connectors of the filter – 4444/01 : 22mm Male/15mm Female – 22mm Female/15mm Male ISO. Approx. dimensions: 68.5mm diameter x 67.1mm height. Weight: 25g (approx.). Bidirectional Filter. Inlet/Outlet Connectors of mouthpiece - BWK : OD26.2mm/ID22.2mm x OD31.5mm/ID26.5mm. Approx. dimensions: 60mm length x OD31.5mm/ID26.5mm, OD26.2mm/ID22.2mm.
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	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: 4444/01: Transparent Clear Polypropylene (PP) Mouthpiece – BWK: High Density Polyethylene (HDPE)
	Colour: 4444/01: Transparent Clear
	Mouthpiece – BWK: White
	Regulatory Documentation Required:
	- Biocompatibility according ISO 10993-1
	- ROHS - BSE/TSE
	- DEHP plasticizer Free and latex free



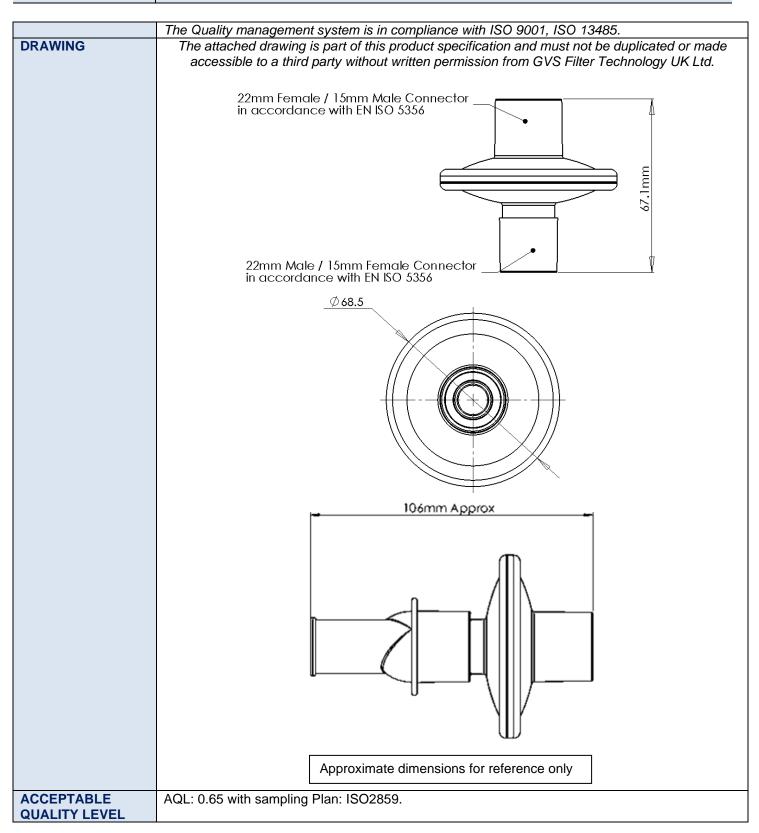
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	AgingREACHConflict minerals	
PRODUCT CHARACTERISTICS	Appearance/Visual As shown on drawing.	
	Physical/Mechanical Approx. dimensions of 4444/01: 68.5mm diameter x 67.1mm height. Weight: 25g (approx.). Approx. dimensions of mouthpiece – BWK: 60mm length x OD31.5mm/lD26.5. OD26.2mm/lD22.2mm. Interfaces (ex: Input / Output connectors): 4444/01: 22mm Male/15mm Female – 22mm Female/15mm Male ISO. Mouthpiece – BWK: OD26.2mm/lD22.2mm x OD31.5mm/lD26.5mm.	mm,
	Operating temperature Range: <i>N/A</i> Storage temperature Range: <i>5 °C to 40 °C Bidirectional Filter.</i>	
	Biological Pyrogenicity: <0.3 EU/ml Biocompatibility to ISO10993 Category – Surface device Contact – Skin Contact Duration - <24hrs	
	Functional Air Flow Rate: 301/min, 601/min, 901/min.	
	Filtration Efficiency: Filter Efficiency @ 30L/min using TSI 8130: Min. 98.5% (REP: 0829/16 with safety factor applied to Min.)	
	Pressure Drop: Flow Resistance @ 30l/min in accordance with EN ISO 9360-1: Max.99Pa Flow Resistance @ 60l/min in accordance with EN ISO 9360-1: Max.220Pa Flow Resistance @ 90l/min in accordance with EN ISO 9360-1: Max.352Pa (REP:0831/16 with 10% of safety margin added to Max.)	
	Internal Volume: 29ml (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) REP: EXT439447.	6
	Viral Filtration Efficiency in accordance with ASTM F2101-07: Min. 99.9 % (Bacteriophage @ 30L/ minute) REP: EXT439446.	



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	Gas leakage in accordance with EN9360: Max. 0.0 ml/min (REP: 2094/20)
	Cleanliness Device assembled within Class 8 Cleanroom. Testing Leak test at 3PSI.
INSTRUCTIONS / WARNINGS	Multi-language IFU available.
PRODUCT SHELF LIFE	5 years from the date of manufacture.
APPLICABLE STANDARDS AND REGULATIONS	Expiration date and date of manufacture are detailed on the product labelling. 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: ✓ 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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VISUAL REQUIREMENTS	Magnif Light ty Timing	acceptance requirements apply when inspected under be ication: Unaided eye at a distance of approximately 35-40cm. The ication is a distance of approximately 35-40cm.	low co	nditions:
		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 General Inspection
	7	Pronounced injection gate	0.65	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 AND PERFORMANCE	regulations, fit, function, performance or subsequent processing of product. Special Characteristic # 01:			mpliance with
REQUIREMENTS	Flow R	Resistance @ 30L/min in accordance with EN ISO 9360-1		
	Flow Resistance @ 60L/min in accordance with EN ISO 9360-1			
	Flow R	Resistance @ 90L/min in accordance with EN ISO 9360-1		
	Special Characteristic # 02: Filter Efficiency @ 30L/min using TSI 8130 in accordance with E 13274-7.			accordance with EN
	Specia	al Characteristic # 03: Bacterial Filtration Efficiency in accord	ance w	ith ASTM F2101-07
	Viral Fi	iltration Efficiency in accordance with ASTM F2101-07		
	Specia	al Characteristic # 04: Conical connectors compliant in accord	<i>lance</i> w	vith EN5356



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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	ISSUED AND CONTROLLED BY:	APPROVED BY:
		CHANGE	(NAME/FUNCTION/SIGNATURE)	(NAME/FUNCTION/SIGNATURE)
03/08/2020	3	Biological characteristics amended.	Kinga Gawdzik – Engineering Support Technician	Andrew Pearce – Quality Manager
			Cau	

CUSTOMER APPROVAL:		
We accept this	material specification as a part of the agreed terms of delivery.	
Company Nam	e:	
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.