

Product P/N	2800/21	
		Mod. 984A
Description	Spiroguard Integral Mouthpiece	Rev. 06

2800/21

Spiroguard Integral Mouthpiece



PRODUCT	Inlet/Outlet Connectors:
DESCRIPTION	- OD34mm ID29.25mm - Machine Side;
	- Integral Mouthpiece - Patient Side.
	Approx. dimensions: 97mm diameter x 93mm height.
	Weight: 37gm (approx.).
	Bidirectional Filter.
MANUFACTURER	GVS Filter Technology UK
NAME	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 /	Spirometer pre filters are used in pulmonary function tests for trapping bacteria and viruses and
APPLICATION	other particulates, reducing the risk of cross-contamination between the patient and the machine. Filters can be supplied with accessories, such as nose clip, mouthpiece and bite grip.
	Filters can be supplied with accessories, such as nose clip, modifipiece and bite grip.
CLASS OF THE	Disposable medical device - Class IIa
PRODUCT	Rule 2 Annex IX 93/42 / EEC
	Rule 2 Affilex IX 93/42 / EEC
	Rule 5 Annex VIII MDR 2017/745
MATERIALS	Filter media: Electrostatic Blended Synthetic Fiber
	Frame/Housing Polymer: White Polypropylene Homopolymer (PP)
	Colour: White.
	Regulatory Documentation Required:
	- Biocompatibility according ISO 10993-1
	- ROHS
	- BSE/TSE
	DOL/ TOL



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	DEHP plasticizer Free and latex freeAging	
	- REACH	
	- Conflict minerals	
PRODUCT	Appearance/Visual	
CHARACTERISTICS	As shown on drawing.	
	Physical/Mechanical	
	Approx. dimensions: 97mm diameter x 93mm height.	
	Weight: 37gm (approx.). Interfaces (ex: Input / Output connectors): OD 34mm ID 29.25mm - Machine S	ide;
	Integral Mouthpiece - Patient Side Operating temperature Range: N/A	•
	Storage temperature Range: 5 °C to 40 °C	
	Bidirectional Filter, Male connector – Patient Side.	
	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. 99% (REP: 1433/17 with factor of safety applied to Min.)	
	Pressure Drop: Flow Resistance @ 30l/min in accordance with EN ISO 9360-1: Max.35.2Pa Flow Resistance @ 60l/min in accordance with EN ISO 9360-1: Max.75.9Pa Flow Resistance @ 90l/min in accordance with EN ISO 9360-1: Max.127.6Pa (REP:1251/17 with 10% of safety margin added to Max.)	
	Internal Volume: 77ml (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. 99.9999 (Staphylococcus aureus @ 30L /minute) REP: EXT607770.	%
	Viral Filtration Efficiency in accordance with ASTM F2101-07: Min. 99.999% (Bacteriophage @ 30L/ minute) REP: EXT620332.	
	Cleanliness Device assembled within Class 8 Cleanroom.	

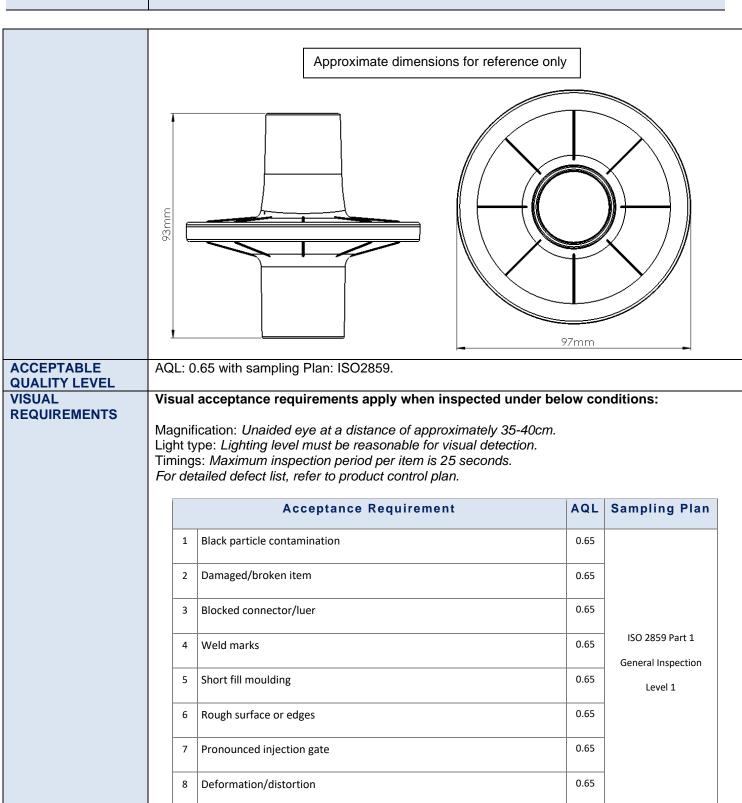


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	Testing Torque test @ 10Nm. (REP: 1347/17)
INSTRUCTIONS / WARNINGS	Multi-language IFU available.
PRODUCT SHELF LIFE	5 years from the date of manufacture.
STERILIZATION	Expiration date and date of manufacture are detailed on the product labelling. N/A
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.
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. The Quality management system is in compliance with ISO 9001, 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.



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Description	Spiroguard Integral Mouthpiece Rev. 06				
	9 Crack		0.65		
	10 Oil/grease		0.65		
	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:				
REGUIREMENTS	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 13274-7.	# 02: Filter Efficiency @ 30L/min using 1	TSI 8130 in accordance with El		
	Special Characteristic	# 03: Bacterial Filtration Efficiency in acc	cordance with ASTM F2101-07		
	Viral Filtration Efficiency	y in accordance with ASTM F2101-07			
		operties of product above indicated. The greferences, defect specification, biological controls.			

REVISIONS AND APPROVALS:

DATE	REV.	REASON FOR CHANGE	ISSUED AND CONTROLLED BY: (NAME/FUNCTION/SIGNATURE)	APPROVED BY: (NAME/FUNCTION/SIGNATURE)
10/08/2021	3	IFU languages section and internal volume amended.	Kinga Gawdzik – Engineering Support Technician	Andrew Pearce – Quality Manager



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CUSTOMER APPROVAL:			
We accept this	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.