



Product P/N	4100/20	
		Mod. 984
Description	Main Air Intake Filter	Rev. 05

4100/20

Main Air Intake Filter



PRODUCT	Inlet / Outlet Connectors: 22mm Male/18.8mm i/d
DESCRIPTION	Approx. Dimensions: 115.2mm length, 60.9mm width, 62.4mm height. Weight: 62gm (approx.) Unidirectional Filter
	Similar existing product: ITI N/A ITI Specify: 4100 series filters.
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 /	Pre-filter for use within oxygen concentrator machines, to filter the air entering the device.
APPLICATION	
CLASS OF THE	Disposable medical device - Class 1
PRODUCT	Annex V 93/42/EEC
	Rule 1 Annex VIII MDR 2017/745
MATERIALS	Filter media:
	ITI N/A ITI Specify: Glass Microfibre Media and White Polyurethane foam
	Frame/Housing Polymer:
	I N/A I Specify: Bronze Tinted Acrylonitryle Butadiene Styrene (ABS)
	Colour:
	ITIN/A ITI Specify: Bronze
	Other insert(s):
	ITI N/A ITI Specify: Adhesive: Polyolefin Hot Melt Adhesive
	Regulatory Documentation Required:
	I Biocompatibility according ISO 10993-1
	ITI IMDS
	IFI ROHS
	I₹I BSE/TSE
	DEHP plasticizer Free and latex free
	I Pl Aging



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	I⊽I REACH	
	IFI Conflict minerals	
	The Common minorals	
	Other:	
	IFI N/A IFI Specify:	
PRODUCT	Appearance/Visual	
CHARACTERISTICS	Aesthetic part:	
	IFI Yes; IFI No	
	Finishing:	
	Trim finishing mirror polished surfaces	
	☐ Thin roughness surfaces ☐ Gross roughness surface	
	IFI As shown on drawing	
	PATAS SHOWN ON Grawing	
	Presence of graphics/Artwork:	
	I⊽I No; I⊓ Specify:	
	to the section is a first to the section of the sec	
	Flash bears admitted:	
	In N/A In Specify: Refer to the control plan.	
	Injection gate vestige:	
	ITI N/A ITI Specify: Refer to the control plan.	
	Black spots admitted (size/area):	
	I N/A I Specify: Refer to the control plan.	
	Thirth openly. Related the control plan.	
	Infiltration into insert admitted:	
	IFIN/A IFI Specify:	
	Other:	
	IFI N/A IFI Specify:	
	Physical/Mechanical	
	Dimensions (Approx.): 115.2mm length, 60.9mm width, 62.4mm height	
	Weight: 62gm (approx.)	
	Interfaces (ex: Input / Output connectors): □ N/A □ Specify: 22mm Male/18.8mm Female	
	TIN/A PERSPECTIVE ZZIMIN Wate/ To.onimi Female	
	Operating temperature Range: N/A	
	Storage temperature Range: 5 °C to 40 °C	
	Other:	
	ITI N/A ITI Specify: Unidirectional Filter	
	54 1925 1 1925 1 1925	
	Chemical	
	Compatibility to solvents:	
	IVI N/A ITI Specify:	
	Resistance to weathering:	
	IFI N/A I□I Specify: Other:	
	Other. IFIN/A IFI Specify:	
	F-TWA F-Topodity.	



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	Biological
	Sterility:
	IFIN/A ITI Specify:
	Pyrogenicity: ▼I N/A □ Specify
	Haemolysis:
	IFIN/A ITI Specify:
	Toxicity:
	IVI N/A IVI Specify:
	Biocompatibility to ISO10993
	Category – Surface device
	Contact - Intact Skin
	Contact Duration - <24hr
	Functional
	Air Flow Rate:
	ITIN/A ITI Specify: 30l/min, 60l/min, 90l/min
	Water Break Through Pressure:
	IFI N/A ITI Specify:
	Liquid Flow Rate:
	IFIN/A ITI Specify:
	Bubble Point Pressure:
	IFIN/A ITI Specify:
	Filtration Efficiency:
	Filter Efficiency @ 30L/min using TSI 8130: Min. 99.8% (REP: 1825/19)
	Thick Emotoricy & 3027mm daing 1010100. Mm. 33.070 (REF. 1023/15)
	Pressure Drop:
	ITI N/A I▼I Specify:
	Flow Resistance @ 30L/min in accordance with EN ISO 9360-1: Max. 277Pa
	Flow Resistance @ 60L/min in accordance with EN ISO 9360-1: Max. 955Pa
	Flow Resistance @ 90L/min in accordance with EN ISO 9360-1: Max. 2053Pa (REP:1914/19)
	Internal Volume:
	IFI N/A IFI Specify:
	Operating Lifetime:
	IFIN/A IFI Specify: Refer to Instructions for Use.
to the state of the party of the state	Shelf Lifetime:
	ITI N/A ITI Specify: 5 years from the date of manufacture.
	Other:
	FIN/A ITI Specify:
	Cleanliness
Shipping the state of the	Part cleanliness:
	Gloop soom Braduation required:
	Clean-room Production required:



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	ITI N/A I▼I Specify: Class 8.
	Testing Insert embedding Test: ▼ N/A □ Specify: Burst test: ▼ N/A □ Specify: Leakage: ▼ N/A □ Specify: Other: ▼ N/A □ Specify:
INSTRUCTIONS / WARNINGS	IFU IT N/A I Required: Specify Languages: IF English I French I Italian I Spanish I Portuguese I German I Chinese I Japanese I Korean I Russian I Other (Specify):
PRODUCT SHELF LIFE	5 years from the date of manufacture. Expiration date and date of manufacture are detailed on the product labelling.
STERILIZATION	IFI Not required; IFI EtO; IFIGamma; IFI Beta; IFISteam; IFI e-beam
APPLICABLE STANDARDS AND REGULATIONS	Product Certification required: I CE mark I FDA I Canadian Health I Brazil ANVISA I Argentina ANMAT I NIOSH I Japan I Korea I China I Russia I Other (Specify):
	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.
	Customer Specific Requirements: No
	Is the Product a safety product? IFI Yes IFI No Environment Impact: Have atmosphere emissions, liquid effluents, underground leachables
	been considered?

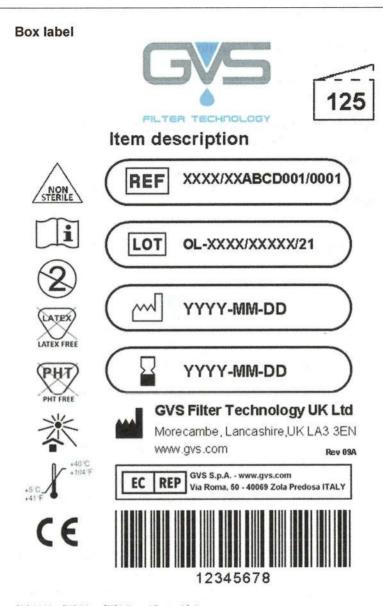


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	I Yes I No
	Energy released (heat, vibration):
INTELECTUAL PROPERTY AND FUNDING	Intellectual Property: Patents that have been granted or applied for that must be considered. IFI N/A IFI Specify: Grants: Is the project (partially) funded by public institutions?
PACKAGING AND LABELING	Packaging Filter Technology Filter Technology Filter Technology REF XXXX/XXABCD001/0001 REF XXXX/XXABCD001/0001 REF XXXX/XXXXXXXZ1 FILTER TECHNOLOGY Item Description REF XXXX/XXABCD001/0001 REF XXXX/XXXXXXXZ1 FILTER TECHNOLOGY ICE REP XXXX/XXXXXXXZ1 FILTER TECHNOLOGY REF XXXX/XXXXXXXZ1 FILTER TECHNOLOGY REF XXXX/XXXXXXXZ1 FILTER TECHNOLOGY REF XXXX/XXXXXXXXZ1 FILTER TECHNOLOGY REF XXXX/XXXXXXXZ1 FILTER TECHNOLOGY REF XXXX/XXXXXXXXZ1 FILTER TECHNOLOGY REF XXXX/XXXXXXXXXZ1 FILTER TECHNOLOGY REF XXXX/XXXXXXXXXZ1 FILTER TECHNOLOGY REF XXXX/XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX



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UDI:

IPI N/A; IPI No; IPI Yes (Specify):

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





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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.	
	115.2	
ACCEPTABLE QUALITY LEVEL	I⊽I AQL: with sampling Plan: 0.65 AQL to ISO 2859-1 I□I PPM: I□I Other:	
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 Genera
		7	Pronounced injection gate	0.65	Inspection Level 1
	8	8	Deformation/distortion	0.65	
		9 Crack	Crack	0.65	
		10	Oil/grease	0.65	
		11	Wrong colour	0.65	
		12	Weld fault	0.65	
GENERAL SAFETY AND PERFORMANCE REQUIREMENTS	regu	ılati	I characteristic: Product characteristic which can affect safet ions, fit, function, performance or subsequent processing of pr I Characteristic # 01:		mpliance with
REGOREMENTO	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				
	7.		I Characteristic # 02: Filter Efficiency @ 30L/min using TSI 8274-7.	8130 in	accordance with

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)
28/01/2020	1	Initial upload to Mod.984 Rev.05.	Kinga Gawdzik – Engineering Support Technician	Andrew Pearce – Quality Manager

CUSTOMER APPROVAL:

We accept th	nis material specification as a part of the agreed terms of delivery.	
Company Na	ime:	
Approved by	r:	
	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.

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