

Product PN	RS206BCYRH002A00	FIPRELIMINARY	
		FIR&D RELEASED	Mod. 984c
Description	Non-Vented Speedflow Adult Filter 0	2 µm	Rev. 05

RS206BCYRH002A00 NON-VENTED SPEEDFLOW ADULT FILTER 0.2 μm



PRODUCT DESCRIPTION	Detailed description of the product: Speedflow RS206BCYRH002A00 is a non-sterile, non-toxic and non-vented single use device with a 0.2 µm hydrophilic PES membrane in MBS housings (96 hours filtration). The product is provided in bulk packs for further manufacturing, processing or repackaging. Similar existing product: N/A V Specify: RS041BCYRH002A02
INTENDED USE / APPLICATION	The filter is designed to be used in intravenous and/or other aqueous solutions filtration for removal of particles larger than 0.2 µm
MATERIALS	Filter media: N/A Specify: Hydrophilic PES membrane 0.2 µm Frame/Housing Polymer: N/A Specify: Clear Modified Acrylic Color: N/A Specify: Clear Other insert(s): N/A Specify: Regulatory Documentation Required:
PRODUCT CHARACTERISTICS	Dimensions: 30x(60÷62.8)x 9.6 mm (depending by inlet/outlet connector versions) Weight: 7.5 ÷ 7.9 g (depending by inlet/outlet connector versions) Hydrophilic filtration area 10.0 cm² Max burst pressure 3.2 bar (46.4 psi) Operating temperature 5-40 °C Storage temperature 0-55 °C Minimum Water Bubble Point: 3.7÷ 4,8 bar Minimum Water Flow Rate: ≥ 32 ml/min @ 80 cm (31.5 in) water head pressure Bacterial Retention: Brevundimonas diminuta Priming volume < 2.4 ml Pyrogenicity < 0.25 EU/ml using the LAL test method Low binding test: performed with Piperacillin Sodium, Insulin, Paclitaxel, Lidocaine HCL, Nitro-glycerine, Sodium Citrate.



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INSTRUCTIONS WARNINGS	Suggestion for easy priming procedure: keep Speedflow dry and in vertical pot the filter) upwards. The filter will eliminate air and let the liquid flow go through can stay in any position. Filter for medical use, to be assembled in clean room. Handle with care. Cyclohexanone for glueing is recommended. Nevertheless, if PES hydrophilic membrane breaks down. Remove the external bag before planting into a clean room. Verify compatibility of drugs to use with the raw materials declared in specifical Usage with electric/mechanical pumps - When using Speedflow Filters with a above the filter and preferably keep at least 50 cm between pump section and Do not use for blood delivery, the filter clogs with whole blood or red blood cell. Not recommended for TPN or lipids administration.	n. After priming is completed, Special completed, S	edflow filter
STERILIZATION	STERILE: Yes No SUITABLE FOR STERILIZATION: Yes No EtO; Max 55 °C Gamma; Max 25 kGy		
PACKAGING AND LABELLING	Box of 2.000 pcs. 2 inner PE bags of 1.000 pieces each. Bags are separately The first bar-code label is outside the 2 bags. The second bar-code label is stuck outside the box. Each bag is labelled with the following traceability information: V Quantity V Product description V Product date V Lot number (OL and 5 digit batch number to trace back raw material V Operator code Different lots of goods in one shipment are packed in a manner to prevent mixing Different lots in one box are separately closed and separately labelled to prevent	's used)	
CERTIFICATE OF COMPLIANCE	Conformity declaration is printed on every invoice and Certificate is according The Quality management system is in compliance with ISO 9001:2015, ISO 13	to UNI EN 10204 type 2.1 8485:2016	
DRAWING	The attached drawing is part of this material specification and must not be dup without prior written GVS SpA permission	licated or made accessible to a thi	rd part



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VISUAL REQUIREMENTS

Visual acceptance requirements apply when inspected under below conditions:

Magnification: unaided eye, approximately 45 cm (18") from eye

Illumination: 1000 ± 200 lx or equivalent

Light type: Fluorescent

	Acceptance Requirement	AQL	Sampling Plan
1	Incomplete plastic support (functional)	0,1	
2	Incomplete or misplaced membrane	0,1	
3	Incomplete plastic support (not functional)	0,4	
4	Damages, cracks or deformation on the pieces (functional)	0,1	
5	Damages, cracks or deformation on the pieces (not functional)	0,4	
6	Non broken inlet or outlet	0,1	
7	Embedded particles < 0.2 mm ² * (max 3 per viewing area) – TAPPI DIRT ESTIMATION CHART	0,4	
8	Projecting threads from external and cone (burrs)	0,4	ISO 2859 part 1
9	Dents leaving traces, porosity, scratches	0,4	1 st Level
10	No visible loose particulate matter downstream of filter membrane	0,1	
11	Bubbles > 0,7 mm ²	0,4	
12	No loose foreign particulate upstream of the filter, plastics particles or internal membrane threads (upstream)	0,4	
13	Incomplete printing – pore size not readable (functional)	0,1	
14	Printing with smudges (max 3< 0,2 mm ² or max 5 < 0,05 mm ²) TAPPI DIRT ESTIMATION CHART	0,4	
15	No excess flash greater than 0,1 mm	0,4	

Timings: 5 seconds per unit

*Embedded Particulate Matter:according to Dirt Estimation Chart (Tappi Standard)

Loose Particulate Matter: free of visible particles > 0,2 mm²

The characteristics above listed are statistically inspected during the manufacturing process

PERFORMANCE REQUIREMENTS

	Acceptance Requirement			Sampling Plan
1	Bubble point to verify PES integrity	3,7 ÷ 4,8 bar (ramped pressure in 15 seconds)	0,1	ISO 2859 part
2	Burst test to verify housing pressure integrity	3,2 bar for 15 seconds	0,1	1 1st Level
3	Water flow rate @ 80 cm water head pressure	≥ 32 ml/min	0,1	I Level

Control Note:

Customers who want to clarify requirements where judgmental differences may develop between the Customer and GVS SpA may submit limit samples for GVS SpA approval. If limits have not been established and approved, best judgement by GVS SpA Quality Assurance will apply.

The characteristics above listed are statistically inspected during the manufacturing process.

This material specification describes the properties of product above indicated.

This document contains general requirements, material description, drawing references, defect specification, biological material requirements.



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REVISIONS AND APPROVALS:

DATE	REV.	REASON FOR CHANGE	ISSUED AND CONTROLLED BY: (name /function and signature)	APPROVED BY: (name /function and signature)
03/03/2020	00	First Emission	Chiara Porcu – RP	Barbara Finessi – Agb
			Paolo Saragoni — RPROG	Tiziana Landi - DAQ

Customer Approval:

(Signature)
(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.