



Product PN GMD015A00S GMD016A00S GMD017A00S GMD018A00S

Mod. 984e-ext

Description Speedflow® IV Filter Neonatal 0.2/0.2+/1.2/5.0 μm

Rev. 07

Speedflow® Filter Neonatal 0.2/0.2+/1.2/5.0 µm



PRODUCT DESCRIPTION	Vented filter for infusion and anaesthesia. The device is sterile and can be used in combination with an infusion set or an infusion device (pump or syringe). The connections are a female luer lock with vented cap inlet and a rotating male luer lock with vented cap outlet, compliant with ISO 80369-7. The device is provided with a vented Speedflow® Neonatal filter, with an hydrophilic PES membrane with 0.2/0.2+/1.2/5.0 µm pore size for particles retention and a hydrophobic PTFE membrane with 0,03 µm pore size. The filter size (LxWxH) is 15.3x62x9.6 mm.			
CONFIGURATIONS	GMD015A00S 0.2 μm 0.2+ (positively charged) μm 0.12 μm 0.2+ (positively charged) μm 0.12 μm 0.12 μm 0.12 μm 0.12 μm 0.12 μm			
MANUFACTURER NAME	GVS S.p.A. Via Roma, 50 – 40069 Zola Predosa (BO) – Italy Phone: +39.051.6176311 – Fax: +39.051.6176200 email: gvs@qvs.it – website: www.qvs.com			
INTENDED USE / APPLICATION	Infusion of Drugs (including chemotherapy), Anesthetics, Nutritional Solutions and Saline Solutions. The set can be connected via Luer Locks to all commercially available infusion administration sets compliant with ISO 80369-7. The filter can be used in combination with an infusion set or an infusion device (pump or syringe). The device is intended to retain different particles depending on its filter pore size: • 0.2 µm filter is intended specifically to eliminate air bubbles and to retain particles and bacteria, • 1.2 µm filter is intended specifically to eliminate air bubbles and to retain fungi and microorganisms, • 0.2+ µm filter is intended specifically to eliminate air bubbles and to retain particles, bacteria and endotoxins, • 5.0 µm filter is intended specifically to eliminate air bubbles and to retain particles. The device is a single-use device that can be used applications that last: • Devices with 0.2 µm filter: up to 96 hours; • Devices with 0.2 µm filter: up to 24 hours; • Devices with 0.2+ µm filter: up to 120 hours. The device has to be disposed after each therapy. Devices with 0.2/0.2+ µm filter cannot be used for infusion of hyper alimentation liquids, lipids, blood and/or blood derivatives. Devices with 1.2 µm filter cannot be used for infusion of blood and/or blood derivatives. Devices with 5.0 µm filter cannot be used for infusion therapy without further bacterial retention filter. The device should only be supervised and used by qualified healthcare personnel.			
CLASS OF THE PRODUCT	Class IIa – sterile – single use Rule 3 Annex VIII 2017/472/UE			
EMDN	A04010101 WITHDRAWL AND ADMINISTRATION FILTERS (0.2-1.2 MICRONS) A04010102 ASPIRATION AND TRANSFER FILTERS (>= 5 MICRONS)			
MATERIALS	Filter media: PES Hydrophilic membrane / PTFE Hydrophobic membrane / 0.2+ filters include also Polyethylenimine Filter housing: MBS / PP Caps: HDPE Regulatory Compliance: Biocompatibility according to ISO 10993-1 Rohs directive 2011/65/UE			





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	Latex freeReach 190	IP plasticizer Free x free ch 1907/2006/CE (hazardous substances regulation) . 1272/2008/CE (classification, labelling and packaging of substances and mixtures)			
Physical/Mechanical: Dimensions (LxWxH): Total internal volume of the set: Weight: Input/output connectors: Operating temperature Range: Storage temperature Range: Maximum applicable pressure: Flow Rate: Bubble point:		:H): me of the set: ectors: uture Range: re Range:	15.3x62x9.6 mm < 0.35 ml 2.56 g Female luer lock with vented cap inlet and rotating male luer lock with vented cap outlet, compliant with ISO 80369-7 From 5 °C to 40 °C From 0 °C to 40 °C 3.2 bar 0.2 μm: ≥ 4 ml/min @ 80 cm (31.5 in) water head pressure 0.2 μm+: ≥ 3.5 ml/min @ 80 cm (31.5 in) water head pressure 1.2 μm: ≥ 30 ml/min @ 80 cm (31.5 in) water head pressure 5.0 μm: ≥ 55 ml/min @ 80 cm (31.5 in) water head pressure 0.2 μm: 3.7 ÷ 4.8 bar 0.2 μm+: 3.7 ÷ 4.8 bar 1.2 μm: 0.7 ÷ 1.0 bar 5.0 μm: 0.15 ÷ 0.3 bar		
	Biological: Biocompatibility:		Compliant with ISO 10993-1		
	Features: Type of administration: Duration of the application: Filter: Filter pore size: Filter internal volume: Filter media:		gravity / pressure 0.2 µm up to 96 hours 1.2 µm up to 24 hours 0.2+ µm uo to 120 hours Speedflow Neonatal 0.2/1.2/0.2+/5.0 µm vented 0.2/1.2/0.2+/5.0 µm < 0.35 ml hydrophilic PES membrane and hydrophobic PTFE membrane, 0.2+ filters include also Polyethylenimine		
PRODUCT SHELF LIFE	5 years				
STERILIZATION	Sterile: Suitable for Sterilization/Re-sterilization:		Yes – EtO		
			No		
APPLICABLE STANDARDS AND REGULATIONS	Product Certification: CE mark				
	Applicable Standards and Technical Regulations: EN EEG 1. Starilization of medical devises. Paguiraments for medical devises to be designated "STERILE"				
	EN 556-1	Sterilization of medical devices — Requirements for medical devices to be designated "STERILE — Part 1: Requirements for terminally sterilized medical devices			
	EN ISO 8536-4 EN ISO 8536-11	11 Infusion equipment for medical use — Part 11: Infusion filters for single use with p			
	EN ISO 8536-13	equipment Infusion equipment for medical use — Part 13: Graduated flow regulators for single use with fluid			
	EN ISO 8536-14	contact Infusion equipment for medical use — Part 14: Clamps and flow regulators for transfusion and infusion equipment without fluid contact.			
	EN ISO 10993-1	infusion equipment without fluid contact Biological evaluation of medical devices — Part 1: Evaluation and testing within a risk management process			
	EN ISO 10993-4	•	nedical devices — Part 4: Selection of tests for interactions with blood		
	EN ISO 10993-5	N ISO 10993-5 Biological evaluation of medical devices — Part 5: Tests for in vitro cytotoxicity			





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EN ISO 10993-7	Biological evaluation of medical devices — Part 7: Ethylene oxide sterilization residuals			
EN ISO 10993-10	Biological evaluation of medical devices — Part 10: Tests for irritation and skin sensitization			
EN ISO 10993-11	Biological evaluation of medical devices — Part 11: Tests for systemic toxicity			
EN ISO 10993-18	Biological evaluation of medical devices — Part 18: Chemical characterization of materials			
EN ISO 10993-23	Biological evaluation of medical devices — Part 23: Tests for irritation			
EN ISO 11135	Sterilization of health-care products — Ethylene oxide — Requirements for the development validation and routine control of a sterilization process for medical devices			
EN ISO 11607-1	Packaging for terminally sterilized medical devices — Part 1: Requirements for materials, sterile barrier systems and packaging systems			
EN ISO 11607-2	Packaging for terminally sterilized medical devices — Part 2: Validation requirements for forming, sealing and assembly processes			
EN ISO 13485	Medical devices — Quality management systems — Requirements for regulatory purposes			
EN ISO 14971	Medical devices — Application of risk management to medical devices			
EN ISO 15223-1	Medical devices — Symbols to be used with medical device labels, labelling and information to be supplied — Part 1: General requirements			
EN ISO 20417	Medical devices — Information to be supplied by the manufacturer			
IEC 62366-1	Medical devices — Part 1: Application of usability engineering to medical devices			
EN ISO 80369-1	Small-bore connectors for liquids and gases in healthcare applications — Part 1: General requirements			
EN ISO 80369-7	Small-bore connectors for liquids and gases in healthcare applications — Part 7: Connectors for intravascular or hypodermic applications			
EN ISO 80369-20	Small-bore connectors for liquids and gases in healthcare applications — Part 20: Common test methods			
Available languages: English / Italian / German / French / Spanish				
Primary Packaging	;			
	Devices are individually packed and label in medical paper bags. Bag Size: 100 X 145 mm			
Secondary Packaging:				
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Tertiary Packaging:				
	Carton Box. Box Size: 60 x 40 x 20 cm			
	Box Weight: 4 kg			
	Devices per box: 400			
ISO 9001:2015 ISO 13485:2016 CE Certificate (201	7/745/UE)			
	EN ISO 10993-10 EN ISO 10993-11 EN ISO 10993-18 EN ISO 10993-23 EN ISO 10993-23 EN ISO 11135 EN ISO 11607-1 EN ISO 11607-2 EN ISO 13485 EN ISO 14971 EN ISO 15223-1 EN ISO 80369-1 EN ISO 80369-7 EN ISO 80369-7 EN ISO 80369-7 EN ISO 80369-20 Available languages English / Italiar Primary Packaging Secondary Packaging			





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DRAWING	COUNTIES.	ID	ID Description		
	1)	1	Vented male rotating cap for female Luer Lock		
		2	'15' model: Speedflow Neonatal 0.2 µm IV filter vented '16' model: Speedflow Neonatal 0.2+ µm IV filter vented '17' model: Speedflow Neonatal 1.2 µm IV filter vented '18' model: Speedflow Neonatal 5.0 µm IV filter vented		
	2	3	Vented protecting cap for rotating male Luer Lock		
	3				

REVISIONS AND APPROVALS:

DATE	REV.	REASON FOR CHANGE		VERIFIED BY: (name/function/signature)	APPROVED BY: (name/function/signature)
26/02/2023	00	First issue	Barbara Palmieri RA Specialist Bouloudalis	Barbara Finessi QA Manage	Luca Zanini VP Healthcare and Lifesience