



Product PN	GIS001A01S GIS001B01S GIS001C01S GIS001D01S GIS002A01S GIS002B01S GIS002C01S GIS002D01S	Mod. 984e-ext
Description	HI-FLO IV Set Adult 0.2/1.2 µm Easydrop/Eurodrop® single/double scale	Rev. 07

HI-FLO IV Set Adult with 0.2/1.2 µm Filter, Regulator and Roller

PRODUCT DESCRIPTION	Infusion set infusion for intravascular applications. The device is sterile and is for gravity feed infusion only. The set has a vented IV drip chamber (20 drops/ml) and a male luer lock outlet with cap, compliant with ISO 80369-7. The set is provided with a vented Speedflow® Adult filter, with an hydrophilic PES membrane with 0.2/1.2 µm pore size for particles retention and a hydrophobic PTFE membrane with 0,03 µm pore size. The set also includes a roller and a flow regulator Easydrop/Eurodrop® single/double scale, to approximately regulate the flow rate. The set is provided with a y-injection site, for administration of additional drugs by means of a syringe using the same infusion line, and with a clamp. The approximate total length of the set is 2171 mm. The set includes the following components: ■ Drip Chamber (20 drops/ml); ■ Roller; ■ Flow regulator Easydrop®/Eurodrop® single/double scale; ■ Y-Injection point; ■ Speedflow® Adult 0.2/1.2 µm IV Filter; ■ Clamp; ■ Male luer lock outlet with cap.	
CONFIGURATIONS	GIS001A01S 0.2 µm with Easydrop® single scale 0.2 µm with Easydrop® double scale 0.2 µm with Eurodrop® single scale 0.2 µm with Eurodrop® single scale 0.2 µm with Eurodrop® double scale 0.2 µm with Eurodrop® double scale 0.2 µm with Easydrop® single scale 0.3 µm with Easydrop® single scale 0.4 µm with Easydrop® double scale 0.5 µm with Easydrop® double scale 0.6 µm with Eurodrop® single scale 0.7 µm with Eurodrop® double scale 0.8 µm with Eurodrop® double scale 0.9 µm with Eurodrop® double scale	
MANUFACTURER NAME	GVS S.p.A. Via Roma, 50 – 40069 Zola Predosa (BO) – Italy Phone: +39.051.6176311 – Fax: +39.051.6176200 email: gvs@gvs.it – website: www.gvs.com	
INTENDED USE / APPLICATION	Infusion of Drugs (including chemotherapy), Anesthetics, Nutritional Solutions and Saline Solutions for intravascular applications. The set can be connected via Luer Locks to all commercially available infusion administration sets compliant with ISO 80369-7. The set is for gravity feed infusion. The set with 0.2 µm filter is intended specifically to eliminate air bubbles and to retain particles and bacteria, while the set with 1.2 µm filter is intended specifically to eliminate air bubbles and to retain fungi and microorganisms. The set is a single-use device that can be used applications that last: Devices with 0.2 µm filter: up to 96 hours; Devices with 1.2 µm filter: up to 94 hours. The set has to be disposed after each therapy. Sets with 0.2 µm filter cannot be used for infusion of hyper alimentation liquids, lipids, blood and/or blood derivatives. Sets with 1.2 µm filter cannot be used for infusion of blood and/or blood derivatives. The device should only be supervised and used by qualified healthcare personnel.	
CLASS OF THE PRODUCT	Class IIa – sterile – single use Rule 2 and 3 Annex VIII 2017/472/UE	





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EMDN	A03010102	INFUSION CONTROLLE	RS WITH FILTER (ALSO TRANSFUSION CONTROLLERS)		
MATERIALS	Filter media: Filter housing: Tubes: Flow Regulator: Roller: Drip Chamber: Y-injection: Clamp: Luer Lock: Caps: Regulatory Comp				
	■ Rohs, dire	atibility according to ISO 10993-1 ective 2011/65/EU			
	DEHP plaLatex free	asticizer Free			
	Reach 19	e 907/2006/CE (hazardous substances regulation) /2/2008/CE (classification, labelling and packaging of substances and mixtures)			
PRODUCT	Physical/Mech		0474		
CHARACTERISTICS	Approximate tota Total internal volu		2171 mm 32.0 ml		
	Weight (approx.):		47 g		
	Input/output conr		Male luer lock outlet with cap compliant with ISO 80369-7 From 5 °C to 40 °C		
	Storage temperature Range:		From 0 °C to 40 °C		
	Biological:				
	Biocompatibility:		Compliant with ISO 10993-1		
	Features: Type of administr Duration of the ap Filter: Filter pore size: Filter internal voluments Filter media: Flow Regulator: Drip Chamber: Roller: Y-injection site: Clamp: Tubing:	oplication:	gravity 0.2 µm up to 96 hours 1.2 µm up to 24 hours Speedflow Adult 0.2/1.2 µm vented 0.2/1.2 µm < 2.4 ml hydrophilic PES membrane and hydrophobic PTFE membrane Easydrop®/Eurodrop® single/double scale Yes – 20 drops / ml Yes Yes Yes PVC tube – inner Ø 3.0 mm / outer Ø 4.1 mm		
PRODUCT SHELF LIFE	5 years				
STERILIZATION	Sterile:		Yes – EtO		
	Suitable for Steril	rilization/Re-sterilization: No			
APPLICABLE STANDARDS AND REGULATIONS	Product Certification: CE mark Applicable Standards and Technical Regulations:				
	EN 556-1				
	EN ISO 8536-4	— Part 1: Requirements for terminally sterilized medical devices O 8536-4 Infusion equipment for medical use — Part 4: Infusion sets for single use, gravity feed			
	EN ISO 8536-11				





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	EN ISO 8536-13	Infusion equipment for medical use — Part 13: Graduated flow regulators for single use with fluid contact
	EN ISO 8536-14	Infusion equipment for medical use — Part 14: Clamps and flow regulators for transfusion and infusion equipment without fluid contact
	EN ISO 10993-1	Biological evaluation of medical devices — Part 1: Evaluation and testing within a risk management process
	EN ISO 10993-4	Biological evaluation of medical devices — Part 4: Selection of tests for interactions with blood
	EN ISO 10993-5	Biological evaluation of medical devices — Part 5: Tests for in vitro cytotoxicity
	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
INSTRUCTIONS FOR USE	Available languages English / Italiar	s: n / German / French / Spanish
PACKAGING	Primary Packaging	j :
		Devices are individually packed and label in medical paper bags. Bag Size: 150 X 250 mm
Secondary Packaging: Bags are placed inside a microperforated sack.		
	Tertiary Packaging	ı:
		Carton Box.
		Box Size: 60 x 40 x 20 cm Box Weight: 4.5 kg
		Box Weight: 4.5 kg Devices per box: 70
CERTIFICATIONS	ISO 9001:2015 ISO 13485:2016	
	CE Certificate (201	11143/OE)





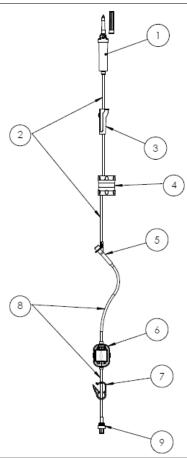
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DRAWING



ID	Description		
1	Drip Chamber 20 drops/ml		
2	Tube 75 cm – inner Ø 3.0 mm / outer Ø 4.1 mm		
3	Roller		
4	'A' model: Flow Regulator Easydrop® single scale 'B' model: Flow Regulator Easydrop® double scale 'C' model: Flow Regulator Eurodrop® single scale 'D model: Flow Regulator Eurodrop® double scale		
5	Y-Injection site		
6	'1' model: Speedflow Adult 0.2 µm IV filter '2' model: Speedflow Adult 1.2 µm IV filter		
7	Clamp		
8	Tube 15 cm – inner Ø 3.0 mm / outer Ø 4.1 mm		
9	Male Luer Lock with cap		

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