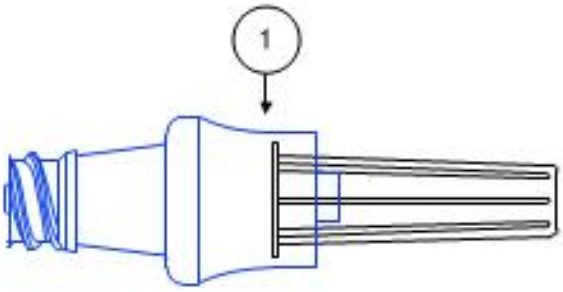
icumedical
human connections

PRODUCT TECHNICAL DATASHEET

ITEM REFERENCE	**011-C1000**	**REVISION**	**32**
LEGAL MANUFACTURER	**ICU Medical, Inc.** 951 Calle Amanecer, San Clemente, CA 92673, USA		
IMPORTER	**ICU Medical B.V.** Hofspoor 3, 3994 VZ Houten, The Netherlands		
EU AUTHORISED REPRESENTATIVE (EUAR)	**Medical Device Safety Service GmbH (MDSS)**, Schiffgraben 41, 30175 Hannover, Germany		
ASSEMBLY SITE	**ICU Medical de Mexico**, S.A. de C.**.,** Avenida Cuarza No. 250, Colonia Rancho Santa Clara, Delegacion Manaedero Ensenada, Baja California, Mexico 22790		
ITEM DESCRIPTION	Clave™ Connector		
PRODUCT FAMILY	IV Connectors and Sets & Intravascular Administration Sets		
INTENDED USE	Neutral-pressure needleless valve-connector A small, sterile, stand-alone, Luer-activated needleless plastic valve intended to mate two related intravenous (IV) line devices [e.g., hypodermic syringe and catheter port or tubing from an IV administration set] and hold them in a secured, sealed, locked position until disconnection, at which point there is minimal fluid flow into or out of the catheter/tubing. It is intended to eliminate the use of needles for IV administration of medications. This is a single-use device.		



SPECIFIC ITEM DATA	**Priming Volume (ml)**	0.06	
	Length (mm)	24.13	
	Weight (g)	2.79	
CLAVE PERFORMANCE DATA	**Gravity Fluid Flow Rate at 36" Head Height**	Greater than an 18 gauge needle	
	Power Injector Maximum Pressure	≥ 400 psig	
	MRI Compatible	No metal components	
	Luer Compatibility	ISO - 594; Conical luers with internal diameter between 0.110” and 0.061”	
	High Pressure Resealability	≥ 60 psig (5 sec); 45 psig (30 sec)	
	Disinfection Compatibility	70% Isopropyl Alcohol, Chlorhexadine, Betadine	
	Chemical Compatibility	TPN, Lipids, Common Chemotherapy Agents	
	Extended Use	Performance after 600 repeat activations: - Average flow rate 174mL per minute	
LIST OF COMPONENTS	1	SUB ASSY, CLAVE®, WHITE SPIKE, CAP	ACRYLIC POLYESTER (PBT) SILICONE POLYPROPYLENE
	Sterile, non-pyrogenic fluid path in unopened undamaged package. This product is made of non-latex, non-DEHP components.		
PACKING AND PACKAGING	The non-unit packaging is biodegradable as defined by Directive 94/62/EC. Packaging is according to BS EN ISO 11607. The packaging for this product is Latex Free. This item is blister packed or pouched individually using medical grade materials in 100 unit cartons.		
STERILIZATION	Radiation.		
EXPIRY – SHELF LIFE	5 years		
BIOCOMPATIBILITY	Product has been approved for use and has met the requirements for ISO 10993-1.		

LABELS / DIRECTIONS FOR USE	Label and/or DFU contain information for proper use including any warnings or contraindications. Labels are applied on the individual bags and on the outside of the cardboard box. Each sales package contains a Direction for Use.	
PRODUCTION ENVIRONMENT	Product is manufactured in an environmentally controlled room. Floor, surfaces and environment are monitored at defined frequencies to verify the controlled room conditions.	
TRACEABILITY	ICU Medical guarantees full traceability of all the components used in the production of its devices.	
DISPOSAL	The user must dispose the device according to hospital disposal policy.	
STORAGE	Store in a dry and clean place. Product should be retained in provided packaging until ready for use.	
WARNINGS	Use aseptic techniques. Single-use only – Do not resterilize. Sterile, Non-Pyrogenic fluid pathway in unopened, undamaged package.	
PRODUCTION CONTROLS	• Each component is inspected during acceptance (visual inspections, dimensional checks and functional tests) to verify conformity with the requirements according to ICU Medical internal quality procedures. • During product production and release specific tests are performed according to ICU Medical internal quality procedures. • At least once a month a LAL test is performed on samples taken from production to verify conformity of the endotoxin charge on the products. • At least quarterly Bioburden tests are performed on samples taken from production to verify conformity of the microbial charge on the products.	
QUALITY SYSTEM AND PRODUCT CERTIFICATION	**Quality System complies to:**	ISO 13485:2016
	Product Certification:	The product is manufactured in compliance to Council Directive MDD 93/42/EEC as amended.
	CE Certificate Number:	252.602
	Notified Body:	NSAI National Standards Authority of Ireland.

	MDD Device Classification:	Class IIa