	Please read all information contained in this insert attentively. Incorrect handling and care, as well as misuse, can lead to premature wear of surgical instruments or risks to patients and users.	<ul> <li>When temporarily not in use, the instrument must be placed electrically insulated from the patient.</li> <li>Activate electrosurgical current only if the contact areas are in full view and have good contact with the tissue that needs to be treated. Do not touch any other metallic instruments, trocar sleeves, optics or similar objects during use.</li> </ul>	<ol> <li>Rinse products with cold tap water (&lt;40°C) until all visible contamination has been removed. Remove adhering dirt by using a soft brush.</li> <li>Place products in the prepared cleaning bath so that they are completely submersed. Observe residence time according to the manufacturer's instructions.</li> <li>Clean the instrument in the bath manually using a soft</li> </ol>	Disposal Disposal must be carried out in accordance with the respective applicable local and national laws and regulations. <u>Warranty</u> Günter Bissinger Medizintechnik GmbH exclusively
	Intended Use Bipolar electrodes for open surgery The bipolar electrodes (REF 856204xx, 856370xx) serve cutting and coagulation of biological tissue. The fully assembled instrument (if assembly is needed) has to be – with the appropriate cable - to monopolar or bipolar output	Observe the use and safety instructions of the manufacturer of the high-frequency surgical device.     Applies for monopolar mode of operation:     Ensure correct application of the neutral electrode on the patient; otherwise, there is a danger of burns.	brush. Brush all surfaces several times. 4. The following step only applies to channels and the insides of tubes: Push the brush into and out of the tubes at least six times. Rinse the tubes with DI water. Repeat the procedure. 5. Rinse the products thoroughly with DI water to remove	supplies tested and faultless products to its customers. All products are designed and manufactured to comply with maximum quality requirements. We refuse any liability for products which have been modified as compared to the original product, misused or handled or used improperly.
bissinger	of an HF generator. Only the defined parameters has to be used.	Assembly	the cleaning agents without residue.	Explanation of symbols
	Maximum output voltage of the generator, $U_{max}{}^{\cdot}_{\cdot}$ 500 Vp , 250 Vp (depending on the type, see catalogue)	For assembly and disassembly of the instrument follow the pictogram, which is available upon request, or can be downloaded on www.bissinger.com.	<u>Disinfection</u> Prepare a disinfectant bath according to the instructions of the disinfectant manufacturer. Place the instruments in the	LOT Batch code
	Appropriate connecting cables for bipolar electrodes for open surgery: Bissinger bipolar cable REF 801 00xxx.	Special instructions for the hysterectomy loop electrode - Insert the instrument through the cannula with the loop	disinfectant bath and observe the specified residence time. Rinse the products very thoroughly with DI water to remove the disinfectant without residue.	
Bipolar and Monopolar	Bipolar and monopolar electrodes for MIS The bipolar electrodes for MIS (REF 85600100-85600700	<ul> <li>pulled inside the shaft.</li> <li>Thoroughly check correct placement of the loop around the uterus prior to activation of the electrical current; the</li> </ul>	<u>Drying</u> Manual drying is carried out using a lint-free cloth and sterile compressed air, in particular for drying cavities and	<b>REF</b> Reference number
Electrodes	und 856-30100-85630900) are intended to be used for coagulation of biological tissue.	entire tissue surrounded by the loop will be cut. - After correct placement, maintain tension of the loop to	channels.	Attention
	The monopolar electrodes (REF 85900000-85902403) are intended to be used for coagulation of biological tissue. The electrodes are intended for use in minimally invasive and especially laparoscopic surgical procedures. The	avoid uncontrolled slip of the loop. Maintain some safety distance to the ligature. During electrosurgical cutting, pull the loop continuously inside the shaft. Cutting will start at the uninsulated part	Functional test and packaging Perform visual inspection for cleanliness and integrity; if required, perform an assembly and functional test. If necessary, repeat reprocessing until the instrument is	CE-Mark and registration number
and Sipolar and Monopolar	instrument has to be inserted through a trocar sleeve with the appropriate diameter. The monopolar hysterectomy loop (REF 85902xxx) electrode is intended to be used for removal of the uterus in supracervical hysterectomies.	<ul> <li>The loop wire.</li> <li>The loop wire is a replaceable, sterilisable product for single use that should be replaced following each procedure.</li> </ul>	visually clean. Packaging must comply with the ISO 11607 and EN 868 standards for packaging for sterilised instruments.	of the Notified Body DQS Medizinprodukte GmbH August-Schanz-Straße 21 60435 Frankfurt, Germany
Electrodes	The fully assembled instrument (if assembly is needed) has to be connected- with the appropriate cable - to monopolar or bipolar output of an HF generator. When indicated,	Reprocessing	Sterilisation Sterilisation of the products with fractional pre-vacuum procedure (in accordance with ISO 13060 / ISO 17665)	Manufacturer Production date
INSTRUCTIONS FOR USE	monopolar or accordingly bipolar coagulation or cutting current can be selectively applied. Maximum output voltage of the generator, U <sub>max</sub> :	Due to the product design, the materials used and the intended purpose, it is not possible to define a limit with regard to the maximum possible number of reprocessing cycles. The serviceable life of the instruments is	under observation of the respective national requirements. - 3 pre-vacuum phases with a pressure of at least 60 mbar. - Heating up to a sterilisation temperature of at least 132°C	Attention:According to US-laws, this device must only be sold by a doctor or on the instruction of a
	for bipolar electrodes for MIS: 500  Vp, $300  Vp$ , $250  Vp$ (depending on the type, see	determined by their function as well as by a careful handling. Instruments for electrosurgery are by their nature subject	and at most 137°C - Exposure time: at least 3 min. - Drying time: at least 10 min.	doctor.
	catalogue)	to increased wear depending on the type and time of use.	If contamination with prions (CJD) is suspected, differing national guidelines are to be followed and longer	
REF	for monopolar electrodes for MIS: 2kV	<u>Preparation and transport</u> Immediately after each use, clean the instruments with a soft brush under cold tap water until all visible	holding times (i.e. 15 min.) may apply.	
856204xx, 856370xx	Suitable cables for bipolar electrodes for MIS: Bissinger bipolar cable REF 801 00xxx.	contamination is removed. Do not use fixation agents or hot water (>40°C). Storage and transport of the instruments to the reprocessing location must take place in a sealed	Sterilised instruments must be stored in a dry, clean and dust-free environment. The applicable national guidelines must be followed.	
85604000, 85604001 85600100 – 85600700	Suitable cables for monopolar electrodes for MIS: Bissinger Monopolar Cable REF 801 00xxx.	container. Complex instruments must be taken apart for cleaning and disinfection in accordance with pictogram.	<u>Repairs</u>	
85630100 - 85630900	Instruments for electrosurgery must only be used by persons who have been specially trained or instructed in	Machine reprocessing Cleaning	Never attempt to perform repairs yourself. Service and repair work must only be performed by persons trained and qualified accordingly. If you have any question regarding	
85900000 - 85902403 85907000 - 85907007	this. Contraindications	Place the instruments in a basket on the insert module or on the inserts of the MIS module and start the cleaning	these matters, contact either the manufacturer or your medico-technical department.	
	<ul> <li>Do not use the instrument if, in the opinion of the attending physician, the risks to the patient outweigh the benefits.</li> </ul>	process. 1. Prerinse with cold water for 1 min 2. Discharge	$\triangle$ Defective products must complete the entire reprocessing process before being returned for repair.	
€0297	Incidents that have been reported in connection with the use of electrosurgical systems - Unintended activation with resulting tissue injury in the wrong location and/or damage to the equipment.	<ol> <li>Prerinse with cold water for 3 min.</li> <li>Discharge</li> <li>Wash at 55°C with a 0.5% alkaline or at 45°C with an enzymatic cleaning agent for 5 min.</li> </ol>	Information on the validation of the reconditioning The following testing instructions, materials and equipment have been used for validation:	
	<ul> <li>Fire in connection with surgical drapes and other inflammable materials.</li> </ul>	<ol> <li>Discharge</li> <li>Neutralise with warm tap water (&gt;40°C) and a neutralising agent for 3 min.</li> </ol>	Cleaning agents (for machine use): Neodisher FA by Dr. Weigert (alkaline)	
Günter Bissinger Medizintechnik GmbH	<ul> <li>Alternating current paths leading to burns on spots where the patient or user comes into contact with components without insulation.</li> </ul>	<ol> <li>Bischarge</li> <li>Rinse with warm tap water (&gt;40°C) for 2 min.</li> </ol>	Endozime by Ruhof (enzymatic) Cleaning agents (manual cleaning): Cidezyme, Enzol Enzym detergent, Johnson&Johnson	
Hans-Theisen-Str.1	- Explosions caused by sparks in the proximity of inflammable gases.	10.Discharge	Disinfectants (manual disinfection): Cidex OPA, Johnson&Johnson	
79331 Teningen Germany	- Perforation of organs. Sudden severe bleedings.	<u>Disinfection</u> Machine-operated thermal disinfection must be carried out under observation of the national requirements regarding	Neutralising agent: Neodisher Z by Dr. Weigert	
Tel.: +49 7641 9 14 33 0	Use and safety instructions Non-observance of these use and safety instructions may lead to injuries, malfunctions or other unexpected	the A0 value (see ISO 15883).	Cleaning and disinfection device: Miele Desinfector G 7735 CD Miele insert module E 327-06	
Fax: +49 7641 9 14 33 33	incidents. When using electrosurgery in patients with pacemakers	<u>Drying</u> Dry the outside of the instruments by carrying out a drying	Miele MIS module E 450	
Email: info@bissinger.com www.bissinger.com	or other active implants, special requirements apply (e.g. low HF-current, patient monitoring). In any case, a	cycle of the cleaning/disinfection machine. If necessary, manual drying may additionally be carried out using a lint-free cloth. Dry cavities by blowing with sterile	For details, see report. SMP GmbH # 01707011901 (machine cleaning)	
	cardiologist or appropriate medical specialist must be consulted. - Before initial use and any further use, all instruments must be completely cleaned, disinfected and sterilised and their	compressed air. Manual reprocessing	MDS GmbH # 135196-10 (manual cleaning, sterilisation) Nelson Labs # 200432706-02 (sterilisation) MDS GmbH Testbericht 084183-10 (sterilisation)	
	function must be checked. - It is very important to check every surgical instrument for visible damage and wear, such as cracks, breaks or	<u>Ultrasonic pre-cleaning</u> 1. The instruments are placed in an ultrasonic bath with 0.5% enzymatic cleaning detergent and treated with ultrasonic field for an ultrasonic detergent and treated with	If the chemicals and machines described above are not available, the user has to validate the used process accordingly.	
	insulation defects before each use. In particular areas such as blades, tips, notches, locking and blocking devices, as well as all movable parts, insulations and	ultrasound for 15 minutes at 40°C/104°F. 2. Remove the instrument and rinse them completely with cold water to remove the cleaning detergent.	Handling During transport, cleaning, care, sterilisation and storage,	
HH 856 Bissinger HF Elektroden vC - EN.docx	ceramic elements must be checked carefully. - Never use any damaged instruments.	<u>Cleaning</u>	all surgical instruments should be handled with maximum care.	
Revision C 27.06.2023/NG	<ul> <li>Never use the instruments in the presence of flammable or explosive substances.</li> </ul>	Prepare a cleaning bath according to the manufacturer's instructions.	This applies particularly to blades, fine tips and other sensitive areas.	