



NOUVAG⁺

SYMBOLS

LOT

EC REP

General warning sign

Authorized representative in

the European Community

Manufacturer

Batch code





Warning! Hot surface



Date of manufacture



Catalog number



Separate collection required (WEEE)



Observe instructions for use

Autoclavable at 134°C

Serial number





Suitable for thermal disinfection



Type BF applied part

INTENDED PURPOSE

The electronic motors 21 are equipped with handpiece carriers according to ISO 3964, which enable the attachment of handpieces and contra angles and ensure secure hold.

MEDICAL INDICATIONS

The electronic motor 21 in conjunction with a control unit and corresponding handpiece is used in the following medical indications: // Liposuction (REF 2101nou)

CONTRA INDICATIONS

Relative or absolute contra indications can arise from the general medical diagnose, or in special cases by a significantly increased risk to the patient through

the use of motor-driven devices. Relevant cases in the literature must be taken into consideration

INTENDED USERS

Intended users are trained and qualified personnel, in professional settings (e.g. hospital, ambulatory).

AMBIENT CONDITIONS	TRANSPORT AND STORAGE	DURING USE	
Relative humidity	max. 90%	max. 80%	
Temperature	0°C-50°C	10 °C-30 °C	
Atmospheric pressure	700 hPa – 1′060 hPa	800 hPa – 1'060 hPa	

SAFETY INFORMATION



We deliver an unsterile electronic motor. Clean, disinfect, and sterilize the electronic motor before the first application and immediately after each use!

Prior to using the device, before startup, and before operation, the user must always ensure that the device and accessories are in good working order and are clean, sterile and operational.

Improper use or repair of the device, or failure to observe these instructions, relieves NOUVAG from any obligation arising from warranty provisions or other claims.



The use of the product other than that for which it was designed is not permitted. The responsibility is solely carried by the operator

The use of third-party products is the responsibility of the operator. Functionality and patient safety cannot be guaranteed with third-party

Manipulate the instrument only when the motor is at a standstill.

The device shall only be operated by qualified and trained personnel.

To avoid cable breakage, do not bend the motor cable!

The electronic motor may only be connected with connection sockets marked with the symbol «Type BF» 🛧.

OVERVIEW

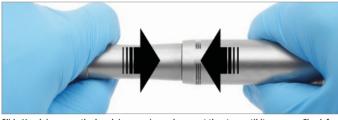


POSSIBLE COMBINATIONS

REF	CONTROL UNIT	INTENDED USE
2101nou	LipoSurg	Liposuction
	Vacuson 60 LP	Liposuction

OPERATION

COUPLING HANDPIECES WITH THE ELECTRONIC MOTOR 21



Slide Handpiece over the handpiece carrier and press at the stop until it engages. Check for good seating with a counter movement.



Disconnect coupling with a short, strong pull and slide off the hand piece from the handpiece carrier of the electronic motor.

REPROCESSING INSTRUCTIONS



In relation to patients with Creutzfeldt Jakob disease or its variant (vCJK) no responsibility can be assumed for re-use of the electronic motor. The Robert-Koch Institute recommends removing used products from circulation after use in order to avoid infecting other patients, users and third parties.

Never clean the electronic motor in an ultrasonic bath! This impairs the functionality of the motor.

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Frequent reprocessing has only a limited impact on the electronic motor. The end of the products service life is normally determined by wear and damage through use. The instrument is designed for 250 sterilization cycles.
1. The electronic motor must be thoroughly cleaned, disinfected and sterilised before initial operation (products straight from the fac-

Reprocessing restrictions

tory) and also immediately following each use. Only a cleaned and disinfected electronic motor enables correct sterilisation!

General handling

2. The electronic motor should always be treated with utmost care when being transported, cleaned, serviced, sterilised and stored.

- We recommend the use of mildly alkaline and enzymatic cleaners with as low a silicate content as possible to avoid staining (silicatization) on the electronic motor.
- 4. Only commercial grade DGHM-/VAH-listed agents may be used for cleaning and disinfection. See these agent manufacturers' specifications for the method of use, action time and suitability of disinfection and cleaning substances.
- Operating instructions for the equipment and chemicals etc. used during reprocessing must be strictly followed. 6. Dosage of chemicals, exposure times and exposure temperatures for cleaning and disinfection must be strictly followed.
- The end of product life may be reached before the 250 sterilization cycles in case of excessive wear and damage from use. Do not overload the washer. Avoid rinsing blind spots. Ensure secure storage in the machine.
- 9. Observe the regulations valid in your country for the reprocessing of medical devices.
- 10. NOUVAG recommends the use of a screen basket with rinsing bar from 3mach (NOUVAG REF 51401), a reusable container for convenient preparation and storage (including transport) of the products. The screen basket can be used for safe storage of the products. ucts during the rinsing process as well as during and after sterilization until the products are used. The screen basket is suitable for use with sterilization paper or a rigid sterilization container. It does not have a barrier effect on its own to protect sterility.

After surgery immediately remove blood, secretion, tissue and bone residue with a disposable cloth/paper towel, do not allow to dry!

Preparation at the point of use

Contaminated products must be stored and transported to the preparation site in a closed container to avoid damaging the products and the contamination of the environment

Safe-keeping and transport

1. Wipe the electronic motor with a damp disposable cloth/paper towel, removing all visible dirt.

Cleaning and disinfection pre-cleaning

2. Unscrew motor cap and remove cable including motor cap 3. Unscrew handpiece carrier.

Dried residues cause corrosion.



- 4. Clean the plastic parts of the electronic motor and its accompanying parts under running tap water using a soft brush (e.g. Insitumend GmbH, REF MED100.33).
- Rinse the outer surface of the electronic motor for 10 seconds with a water pressure gun at a pressure of at least 2.0 bar (manufacturer for example HEGA Medical, REF 6010 or REF 7060). Local tap water is sufficient for this purpose, since the last step is always a machine cleaning with deionized water, so possibly hard water with lime traces from the pre-cleaning cannot remain on the electronic motor.

Cleaning Automatic cleaning process (Vario TD programme) After pre-cleaning place the electronic motor and its accessories in the 1. Pre-clean with cold water for 4 minutes. 2. Empty strainer basket. Mechanical cleaning is only successful if the pre-cleaning, described above, Clean for 5 minutes at 55°C with 0.5% alkaline or at 40°C with 0.5% enzymatic cleaner. 3. is adhered to! Cleaning is done using the Vario TD programme in the cleaning and disinfection unit (CDU). For the cleaning process it is advisable to use DI 4. Empty 5. Neutralise with cold water for 3 minutes. water (fully desalinated water). 6. Empty 4. After completing the cleaning program (incl. thermal disinfection) check 7. Inter-rinse for 2 minutes with cold water. the electronic motor, motor cap with cable and handpiece carrier for visible contamination in the grooves and gaps. Repeat cleaning if necessary. 8. Empty Disinfection Mechanical disinfection Warning The cleaning/disinfection unit has a thermal disinfection programme which When inadequately rinsed or exposed to the disinfectant or detergent for too long, the electronic motor can follows after the cleaning. When performing mechanical thermal disinfection, give due consideration to the national requirements relating to the AO value (see DIN EN ISO 15883-1). We recommend an AO value of 3.000 for the corrode. Please see the corresponding detergent and electronic motor and the attachments. Disinfection must be carried out with disinfectant's package insert for dwell times. DI water. Drying Mechanical drying Manual drying Drying of the electronic motor by the drying cycle of the cleaning/disinfection Set up the electronic motor vertically. unit's (CDU). If required, manual drying can also be achieved by using a lint-free cloth. Pay particular attention to the grooves and spaces between the Allow the electronic motor and the small parts to dry for at least 30 minutes. Then spray the electronic motor electronic motor. Then spray the electronic motor again with Lubrifluid. again with Lubrifluid. Every CDU must provide a corresponding drying procedure through the manufacturer (see ISO 15883-1). Please follow the corresponding CDU-manufacturer's directions and operating instructions. Inspection and Perform a visual inspection for damage, corrosion and wear. Spray the electronic motor for cleaning and care. NOUVAG recommends using Lubrifluid for this purpose. Screw the spray adapter (REF 19584) onto the electric motor instead of the cable plug. Attach the blue spray adapter to the spray care can and spray the electronic motor from the coupling side for about 3 seconds until only clear liquid flows out of the electronic motor. 3. Then wipe off with a moistened cloth (observe the product's instructions for use). After spraying the electronic motor, screw the handpiece holder and motor cap with cable back onto the electronic motor Sterilisation of the electronic motor is performed with a fractionated pre-vacuum steam sterilisation process (in accordance with DIN EN 13060 / DIN EN 285) giving due consideration to the respective national requirements. Sterilisation Minimum requirements: 1. Pre-vacuum phases: 3 2. Sterilisation temperature: minimum 132°C – maximum 137°C (within the sterile band) 3. Holding time: At least 5 minutes (full cycle) 4. Drying time: At least 10 minutes When sterilising several products during one sterilisation cycle, do not exceed the maximum steriliser load (see manufacturer's details). A drying cycle must be added in the case of autoclaves without a vacuum function. After sterilisation an immaculate sterilisation result must be detected by examining the appropriate indications. According to the Robert-Koch Institute preparation ends with the documented release for use of the medical device. If the sterilised electronic motor is not used immediately after sterilisation, it must be labelled with the sterilisation date on the packaging. Storage Storing the sterile packaging Handling the sterile packaging The sterilised product must be stored away from dust, humidity and contamination. During storage, direct sunlight should be safely avoided. After the Before taking out the product, check for the packaging to be intact. When taking out the product, follow the expiry date has passed, do not use the product any longer. respective aseptic procedures. Information for The above preparation process has been verified by a validated procedure. The following materials and machines were used: validating the 1. Alkaline cleaner: Neodisher® Mediclean; Chemische Fabrik Dr. Weigert GmbH & Co. KG preparation 2. Enzymatic cleaner: Neodisher® MediZyme; Chemische Fabrik Dr. Weigert GmbH & Co. KG Cleaning and disinfection unit: Miele G 7836 CD Rack trolley: Miele E429 5. Strainer basket/flush socket bar: 3mach (NOUVAG REF 51401) Autoclave: Selectomat 666-HP (MMM) 7. Sterile packaging: Sterisheet 100; Broemeda Amcor Flexibles GmbH



There is no experience available from conducting other sterilisation procedures such as plasma sterilisation, low temperature sterilisation procedure, etc. Users bear full responsibility if they use a procedure which differs from the validated sterilisation procedure described!

ferent procedure for reprocessing to the one given above, you are required to correspondingly establish the suitability.

Chemicals and machines other than those mentioned can also be used. In such a case consult the manufacturers or suppliers to find out whether their products confer the same performance as the products that the procedure was validated with. If you should opt for a dif-



Please also comply with the applicable legislation in your country and the medical practice or hospital's hygiene rules. This especially applies to the varying

Motor is not running. Plug is not inserted Insert plug and check fitting. properly. М

MALFUNCTIONS AND TROUBLESHOOTING

M tool is not turning. properly connected to tor until it clicks in place. the motor.

lotor stops when able is moved.	Defective cable.	Replace cable.
lotor is running but	Handniece is not	Press handniece firmly to the mo

TECHNICAL DATA

REF	2101nou
Weight, without cable	115 g
Torque max.	7.5 Ncm
Speed max.	50'000 rpm
Rated voltage	35 V
Current max.	8 A
Output max.	120 VA
Coupling	ISO 3964
Cable length	4.0 m
Pin assignment of the connector	(10)

ACCESSORIES AND SPARE PARTS

REF	DESCRIPTION	QUANTITY
2128	Lubrifluid	1
19584	Spray adapter	1
76072	Motor cable complete, for motor 2101nou	1

INFORMATION ON DISPOSAL



When disposing of the device, device components and accessories, the regulations issued by the legislator must be followed. Used electrical and electronic equipment is hazardous waste and must not be disposed of with household waste.

POST MARKET SURVEILLANCE



In the event of incidents related to the use of the medical device, please contact immediately the manufacturer by email complaint@nouvag.com or by phone.

To provide adequate information, please compile the incident questionnaire at the web address

Nouvag.com > Contact us > Incident questionnaire.

MANUFACTURER AND SERVICE POINTS



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