Newmed

NUBYRA 6

ISTRUZIONI D'USO
INSTRUCTION MANUAL
MODE D'EMPLOI
MANUAL DE USO
BETRIEBSANLEITUNG

CE 0051

BASIC6 - Rev.4.0 - 2009.03.11

Dear Customer,

The autoclave is a device designed for steam sterilization of small sized tools and equipment, and is widely used for medical purposes by general practitioners and dentists, in salons that deal with personal hygiene and body care and also in veterinary surgeries. It is also used for sterilizing materials and equipment that come into contact with blood or physiological liquids, such as instruments used by beauticians, tattoo artists, piercers and hairdressers. The very specific sterilization loads used in these sectors of applications require different performance features for the sterilization cycles.

It is of fundamental importance for the sterilizer and the respective equipment to be used solely for the type of product for which they were designed. We therefore request you to consult the Declaration of Conformity of this appliance: the Class to which the appliance belongs is indicated in the "Category" box. The" Sterilization Table" (Chap. 9) gives all the information necessary for establishing the type of cycle to be used for sterilizing the various instruments.

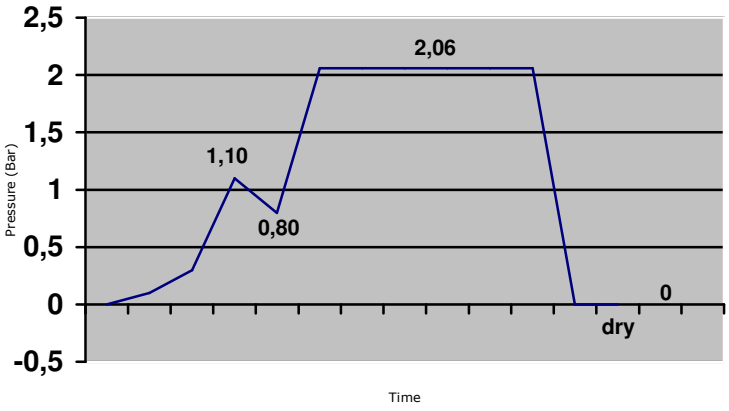
INFORMATION TABLE (Annex D - EN13060)

REQUIREMENTS	N
Dynamic steriliser chamber pressure	X
Air outlet	
Empty chamber	X
Solid load	X
Small porous objects	
Small porous loads	
Full porous load	
B type hollow load	
A type hollow load	
Multiple wrap	
Drying, solid load	X
Drying, porous load	
Residual air	X

X = available

EXAMPLE OF CYCLE

134°C cycle



GENERAL WARNINGS

- **We recommend** that you read the Instruction Manual carefully before beginning to use the device, to ensure that the operations required are carried out correctly: **DO NOT** carry out operations other than those described in this booklet. The Manufacturer declines all responsibility for direct or indirect damage to objects, persons or animals deriving from improper use of the appliance.
- The machine must be used by responsible adults only.
- Position the machine in a place where it is not accessible to children.
- Install the machine in a position where it is easy to reach the plug.
- Do not use the machine near inflammable or explosive sources.
- Use the machine in dry protected areas.
- Check the condition of the power cable periodically: do not use the appliance if the power cable is not perfectly intact.
- Do not carry out maintenance with the machine running or if it is plugged into the power socket.
- Do not approach the machine with inflammable material.
- Always use personal protection devices, in compliance with the applicable directives.
- Do not use the appliance for purposes other than those mentioned in this Instruction Manual.
- Read the paragraph concerning the technical features carefully before starting up the appliance.
- For your safety, make sure you pay great attention to the instructions given below.

1. TABLE OF CONTENTS

2. SAFETY

2.1 SAFETY SIMBOLS

	ATTENTION: READ CAREFULLY THE INSTRUCTIONS OF THE USER'S MANUAL
	VOLTAGE
	ATTENTION HIGH TEMPERATURE
	EARTH CONNECTION

2.2 SAFETY DEVICES

This equipment includes the following safety devices:

1. A micro switches to control the door and the door closing limit switch: it ensures that the door is closed and properly locked. If problems arise, the next cycle cannot start. If any problem arises while the cycle is running, the microprocessor stops the process and immediately reduces the machine pressure level.

2. A mechanical thermostat ensures that the resistance temperature does not accidentally exceed the preset value. The thermostat is manually reset.

3. Two electronic temperature sensors continually monitor critical points on the machine, to prevent over-temperature errors during the operating process.

4. A pressure relief safety valve protects against the risk of explosion.

5. An electronic pressure transducer checks all the solenoid valves and opens them if an overpressure is detected.

3. PACKAGING, STORAGE AND DISPOSAL

The cardboard packaging used for transporting the autoclave IS NOT STERILE.

The autoclave is fragile and should therefore be transported with extreme care.
DO NOT TURN UPSIDE DOWN.

The steriliser is packed with all accessories placed inside the boiler. It is wrapped in a protective polyethylene bag and then placed inside a cardboard box. To protect it against accidental impact, it is also padded with polystyrene or cardboard. The box has a wooden frame as further protection during transport.

Keep in a dry and protected area at a temperature of 5-30°C.

The user is recommended to retain the packaging for the period of the warranty: if the equipment is returned for repair without the original packaging, the user will be charged for a new packaging at time of reshipment.

Unpacking and locating the autoclave:

At least two people are required to remove the equipment from the box, following the instructions given below:

- Open the box and remove the staples to avoid getting scratched or cut while removing the equipment.
- Read the instructions for use.
- Take the machine out of its box, taking hold of the sides, without putting strain on parts made of plastic.
- Place the machine on a perfectly level surface with a load capacity of at least 55 kg.
- Connect the plug to a Schuko plug with safety ground.
  Do not replace the original plug with other types.
  Do not make additional connections.
  Do not connect to multiple plugs or similar: ensure that the installation to which the steriliser is connected complies with all relevant legislation and can sustain the specified load (paragraph 15).
- Open the door by pushing the DOOR button.
- Take the accessory kit out of the box and switch the equipment off.
- CAREFULLY READ PARAGRAPHS 4 AND 4.1 BEFORE STARTING THE NORMAL WORK.

DISPOSAL AND/OR SCRAPING

For the disposal and/or scraping of any component (packaging, water, complete machine…) strictly refer to the norms in force in the country where the operation is carried out.

4. FIRST INSTALLATION

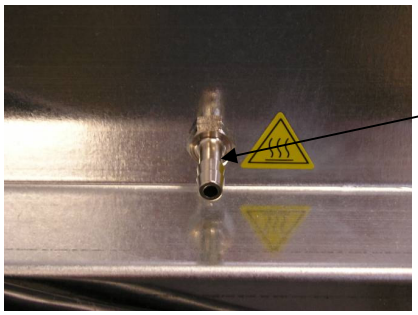
Correct installation of the autoclave is key to ensuring its proper operation. Below is an installation checklist:

1. The device must be installed in a laboratory accessible only to authorised personnel.
2. The working environment must be properly lit and adequately ventilated.
3. Position the equipment on a flat and level surface that can bear a minimum load of 40 Kg. The autoclave is supplied already levelled. The sterilisation chamber is slightly inclined to the rear of the equipment. Leave at least 5 cm between the wall and the back of the autoclave.
4. Position the autoclave so as to leave sufficient room for inspecting and cleaning the sterilisation chamber.
5. Do not install the autoclave close to washbasins or taps: the cover of this equipment is not watertight.
6. Do not install the equipment close to heat sources (i.e. other autoclaves, ovens or similar).
7. In order to avoid any damage to people, things or animals, the machine must be put in a position allowing the flow coming from the safety valve to flow in a safe place.

4.1 WATER CONNECTIONS

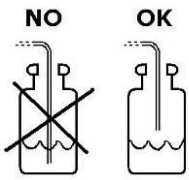
Correct installation of the autoclave is key to ensuring its proper operation. Below is an installation checklist:

1. Leave at least 5 cm between the wall and the back of the autoclave.
2. The container to be connected to R1 fitting should be located below the tap reference line to allow condensation to drain away.
3. R1 fitting is located in the back of autoclave.



R1 FITTING
Connect the silicon hose (supplied) to the fitting and put the other end into a collection container for condensation.

The container to be connected to R1 fitting should be located below the tap reference line to allow condensation to drain away. The hose SHOULD NEVER be below the condensation water line.



ATTENTION:
It is compulsory to block the silicon pipe on R1 fitting and on condensation tank collection.

5. ACCESSORIES

The tray holder is supplied together with 4 trays and the following accessories.

TOOL FOR TRAY EXTRACTION AND DOOR REGULATION

See the picture:
-Use the left side to regulate the door (par. 13.5);
-Use the right side to extract the hot trays.

CLEANING SPONGE

The sponge should be used as indicated in paragraph 13.

GRADUATED CUP:

The cup is useful to pour the water into the chamber.

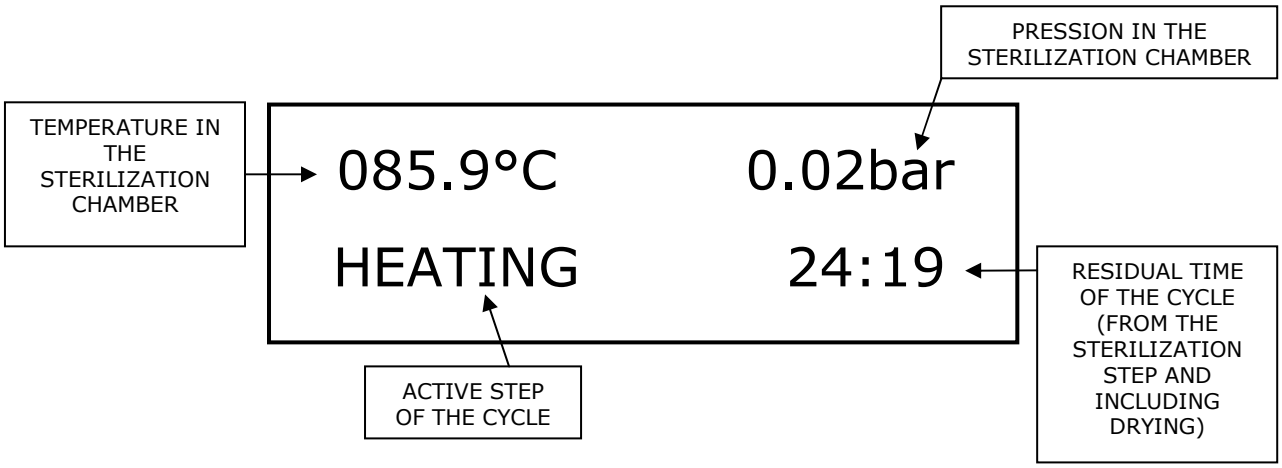
CONDENSATE CONTAINER:

use this container as described under points 4 and 4.1.
Block always the tubing with the straps supplied.

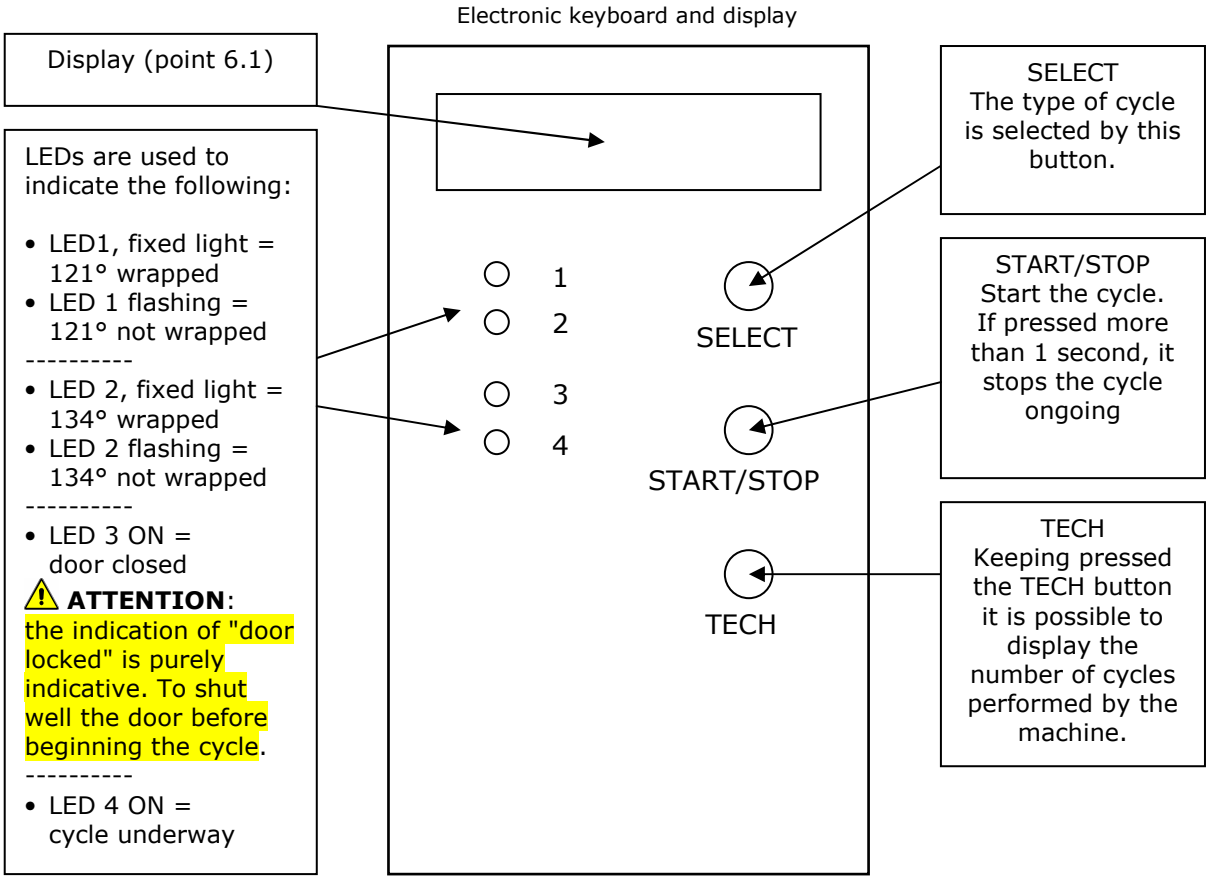
6. CONTROL PANEL

In order to understand and use the controls correctly, please refer to paragraphs 6.1 and 6.2.

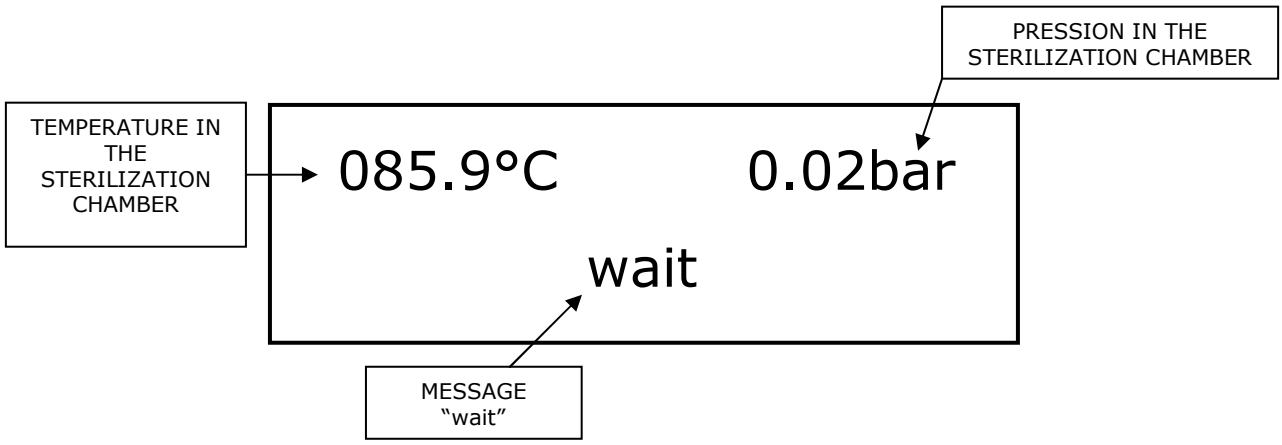
6.1 DISPLAY



6.2 KEYBOARD



6.3 MESSAGE "**wait**"



When message "**wait**" appears on the display, IT IS NOT POSSIBLE to perform any operations. WITH THE OPEN DOOR it is mandatory to wait for the writing to disappear, by leaving space for the information on the cycle. At the end of the cycle, message "**wait**" appears on the display: wait with the open door that the machine cools down a bit (around 15 minutes after a 134°C cycle and around 10 minutes after a 121°C cycle).

ATTENTION:

UNTIL "wait" IS PRESENT ON THE DISPLAY, IT IS NOT POSSIBLE TO START OTHER CYCLES OF STERILIZATION.

ATTENTION:

When "**wait**" is on display:

- **DO NOT POUR WATER INTO THE CHAMBER;**
- **LEAVE THE DOOR OPEN;**
- **WAIT UNTIL "wait" DISAPPEARS;**
- **IT IS NOT POSSIBLE TO START OTHER CYCLES.**

7. FIRST TIME START-UP

After installing the autoclave (as per paragraphs 4 and 4.1), a test cycle should be carried out. The purpose of the test cycle is to ensure that the autoclave is in working order, has not suffered any damage during transport and is not subject to any operational faults due to technical causes. It is recommended that this test is based on cycle 134°C.

7.1 DESCRIPTION OF CYCLE

1. Start the equipment using the main switch.
2. Fill the graduated cup of demineralized water till the level of **200 ml**.

ATTENZIONE:
DO NOT START ANY CYCLE BEFORE HAVING POURED THE REQUIRED MINIMUM AMOUNT OF WATER.

3. Insert at least the tray holder and start the cycle by the START button:
   - Message "**WATER OK**?" will appear on the first line of the display to remind the user, if water was poured into the chamber.
   - Message "**press START**" will appear on the second line of the display: if water was poured, it is necessary to press again the pushbutton START. Henceforth the autoclave will operate automatically till the end of the drying step (DRYING).
4. At the end of the final drying, message "**END CYCLE**" will appear on the display, signaled by a sound alarm.
5. At the end of the cycle message "**wait**" usually appears on the display: wait with the open door that the machine cools down a bit (point 6.4).

ATTENZIONE:
UNTIL message "wait" IS PRESENT ON THE DISPLAY, IT IS NOT POSSIBLE TO START OTHER CYCLES OF STERILIZATION.

6. Proceed with the first operating cycle.

7.2 WORK CYCLE

Select the chosen cycle by comparing the indications under point 9:

- Insert the water in the chamber as described at point 7.1. Put the tray holder and the trays inside the machine with the material to be sterilised, close the door and start the cycle. While the cycle is running, the display will show the temperature – pressure– time remaining– selected cycle – current cycle phase. Automatically start to rise fase (HEATING). Once the preset pressure is reached, the machine will release steam to stabilise the inside temperature. The final rise in temperature now begins, leading to the start of the sterilisation phase (STERILIZE): during the exposure period, pressure and temperature will be continually software-controlled to ensure that the sterilisation is successful. If any problems are detected, the relevant alarms will be triggered (see paragraph 12.1). On completion of the sterilisation phase, the DRYING phase will begin: pressure inside the chamber will be released and the heating will start, to ensure proper drying of the sterilised instruments. At the end of DRYING fase the display shows "END CYCLE". The door can only be opened when the display shows "END CYCLE". Before opening the door, make sure that the pressure inside the chamber is lower than 0.10 bar. Remove the instruments by using the special handle supplied with the equipment (point 5).

ATTENTION:

USE PROTECTIVE GLOVES TO AVOID GETTING BURNT.
Before starting a new sterilization cycle, wait for message "**wait**" to disappear from the display.

8. WATER TANK FILLING AND DRAINING

8.1 FILLING THE WATER

To load water into the sterilization chamber, it is necessary the use the graduated cup supplied with the kit of accessories (point 5.1). Fill the graduated cup till the mark of **200 ml** (present on the cup: see the photograph).

ATTENTION:

- Fill the graduate cup till the line of 200 ml.
- DO NOT START ANY CYCLE BEFORE HAVING POURED THE MINIMUM REQUIRED AMOUNT OF WATER (**minimum 200 ml**).

ATTENTION:

PRESS THE START OF CYCLE AFTER POURING WATER INTO THE CHAMBER

8.2 UNLOAD OF USED WATER TANK

Before starting a cycle of sterilization, ALWAYS check the water level inside the condensate container.

ATTENTION:
EMPTY THE CONTAINER WHEN THE MACHINE IS **NOT** IN FUNCTION.
Leave two cm of water in the tank as counterweight. Close the container cap again, by blocking it opportunely.

ATTENTION:
Dirty water could contain some contaminated residues. Therefore, it is recommended to use protective gloves to perform the emptying operation.

ATTENTION:
DO NOT START a sterilization cycle, if the water in the container exceeds the maximum level visible in the photograph.

MAXIMUM ALLOWED LEVEL

When this water level is reached, it is MANDATORY to empty the container as described in point 8.2.

8.3 WATER QUALITY TABLE (DIN EN 285)

CEN STANDARDS DIN EN 285	Maximum value
Evaporation residue	10 mg/l
Silicon oxide (SiO^2)	1 mg/l
Iron	0.2 mg/l
Cadmium	0.005 mg/l
Lead	0.05 mg/l
Heavy metal residues (except iron, cadmium and lead)	0.1 mg/l
Chloride	2 mg/l
Phosphate	0.5 mg/l
Conductivity (at 20°C)	15 µs/cm
pH value	5 to 7
Look	colourless, clean, without sediment
Hardness	0.02 mmol/l

NOTE: The use of feed water containing contaminants at concentrations exceeding those given in the table can considerably shorten the operating life of the equipment, seriously damaging its components and invalidating the manufacturer's warranty.

9. STERILISATION TABLE

Sharp surgical instruments must be wrapped to ensure they are sterile at time of use. Data shown in table are only approximate: the type of sterilisation cycle selected should be based on data supplied by the manufacturer of the items to be sterilised. This autoclave is not suitable for the sterilisation of liquids. The overall cycle time can change due to various factors (e.g. weight and type of load, etc.).

Please, to consult the Declaration of Conformity of this appliance: the Class to which the appliance belongs is indicated in the "Category" box.

Type and total duration of cycle	Type of cycle	Sterilizing (min.)	Drying (min.)	Minimum pressure	Maximum load	Materials and instruments to be sterilised
121° wrapped 62 min.	N	17.00	15.00	1.06	0,5 kg	Rubber and metal solids (wrapped)
121° unwrapped 57 min.	N	17.00	10.00	1.06	1 kg	Rubber and metal solids (**not wrapped**)
134° wrapped 51 min.	N	6.00	15.00	2.06	0,5 kg	Rubber and metal solids (wrapped)
134° unwrapped 46 min.	N	6.00	10.00	2.06	1 kg	Rubber and metal solids (**not wrapped**)
	**THIS AUTOCLAVE IS NOT CONCEIVED FOR THE STERILISATION OF LIQUIDS**					

9.1 NIGHT CYCLE

If the autoclave is not in use, it will switch to energy-saving mode with only the display background lit. Pressing any key (except the START/STOP button), the display will show the result of the last operation carried out (e.g. END CYCLE). Any cycle can be made a "Night cycle".

ATTENTION:

- After the "night cycle", to the opening of the door, it is normal to find it condenses of water on the gasket of the porthole and on the fund of the sterilization chamber.

- In case of alarms (see paragraph 14) repeat the operation!

10. TEST CYCLE

The test cycle is used to make sure the device does not have any small but significant pressure losses, which may, over time, prevent successful sterilisation.

10.1 BIOASSAY

Together with other chemical tests, a bioassay may be required. This assay consists in sterilising one or more vials containing biological spores, together with the normal items to be sterilised. On completion of the cycle, remove the vials and leave them to cool for a few minutes (following the manufacturer's instructions for the control procedure). Sterilised vials should normally be broken using the special tools supplied by the manufacturer and then inserted into a specific incubator: together with these, another vial that has not undergone sterilisation should be added for comparison. After the incubation period, the difference in colour in the sterilised vials will indicate whether the cycle was successful.

Please refer to the instructions provided by the local health authority when performing this type of test.

11. RECOMMENDATIONS FOR STERILISATION

In order to prolong the life of both autoclave components and instruments, recommended procedures should be followed as well as local health authority instructions. Below is a list of some precautions to be followed.

1. Instruments should be cleaned with appropriate disinfectants immediately after use.
2. Brush the instruments to remove any residue.
3. Rinse the instruments in running water at room temperature.
4. Submit the instruments to ultrasound treatment.
5. Rinse the instruments in demineralised water at room temperature.
6. Dry the instruments thoroughly.
7. Place the instruments on the steriliser tray, so that the bags do not overlap. If you need to sterilise instruments which are not wrapped in bags, the tray should be covered with suitable napkins, to ensure that each sterilised instrument is perfectly dried. Follow the manufacturers' instructions for each instrument.
8. Instruments such as scissors or forceps, should be opened slightly. Mirrors should be positioned face down.
9. Place bags with the paper side up.
10. If empty containers are sterilised, place them upside down to prevent water from accumulating.

The instructions listed above show how important the correct preparation of instruments is to successful sterilisation. Even a single instrument carrying traces of disinfectant placed in the steriliser may cause damage to the sterilisation chamber and the instruments inside. In such a case, the sterilisation process might be adversely affected even if no alarm is triggered.

12. ALARMS AND ERRORS

The alarms on the display (point 12.1) block any subsequent operation: **it is necessary to reset the equipment pressing simultaneously the START and SELECT buttons** until a sound alarm starts. On the contrary, the errors (point 12.2), do not allow to start of the cycle, but they warn an operation should be performed before the sterilization (example: close the door).

ATTENZION:

Any non-completed cycle means that the instruments are not sterilised: on the display there is a alarm code.

In the event of alarms, the cycle running should be considered invalid

(material not sterilised).

12.1 ALARMS

Code and meaning	How it could occur	Resolution of the problem RESET = START+SELECT x 5"
AL0001 cycle interrupted voluntarily	It occurs, if the button START/STOP is pressed for longer than 1 sec.	Repeat the cycle
AL0002 Power failure	It is caused by a jump of the voltage higher than 10% or by its complete interruption.	Repeat the cycle
AL0003 Door open during the cycle	It occurs when one of the micro switches of door control displays "door open during the cycle".	Repeat the cycle. If the problem persists, call immediately the service centre.
AL0021 1st rise failed	The machine does not reach the 1st set pressure.	Repeat the cycle
AL0024 Without final rises	The machine does not reach the working pressure.	Repeat the cycle
AL0031 1st unload failed	After having reached the 1st pressure the machine emits the alarm signal.	Remove the tray holder and clean the interior of the sterilization chamber. Repeat the cycle.
AL0034 Without any final unload	During the drying phase the machine doesn't unload the pressure.	Remove the tray holder and clean the interior of the sterilization chamber. Repeat the cycle.
AL0100 Coding error Probe T1	The alarm results from the self-diagnosis of the electronic card.	Switch off and switch on the machine: if the problem persists, call immediately the service centre.
AL0101 OPEN T1	Probe T1 is read open.	Switch off and on the machine: if the problem persists, call immediately the service centre.
AL0102 C.C. T1	Probe T1 is found to be in short circuit.	Switch off and on the machine: if the problem persists, call immediately the service centre.
AL0110 High temperature of Probe T1	Probe T1 has exceeded the temperature of the set cycle.	Switch off and on the machine: if the problem persists, call immediately the service centre.
AL0111 Low temperature of Probe T1 during the sterilization	During the sterilization step, Probe T1 dropped below the limits allowed.	Clean the gasket and the edge of the boiler. Repeat the cycle: if the problem persists, call immediately the service centre..

AL0310 High pressure in sterilization	During the sterilization step Probe T1 exceeded the limits allows.	Repeat the cycle: if the problem persists, call immediately the service centre.
AL0311 Low pressure in sterilization	During the sterilization phase Probe T1 dropped under the admissible limits.	Clean the gasket and the edge of the boiler. Repeat the cycle: if the problem persists, call immediately the service centre.
AL0500 Coding error probe TRS	The alarm derives from the self-diagnosis of the electronic card.	Switch off and on the machine: if the problem persists, call immediately the service centre.
AL0501 TRS OPEN	Probe T1 is read open.	Switch off and on the machine: if the problem persists, call immediately the service centre.
AL0502 C.C. TRS	Probe T1 is found to be in short circuit.	Switch off and on the machine: if the problem persists, call immediately the service centre.
AL0504 Low temperature probe TRS	Probe TRS does not reach the working temperature.	Repeat the cycle: if the problem persists, call immediately the service centre.
AL0505 High temperature probe TRS	Probe TRS has exceeded the maximum working threshold.	Switch off the equipment and wait for 10 minutes with the door open: then repeat the cycle. If the problem persists, call immediately the service centre.

THE MANUFACTURER DECLINES ALL RESPONSIBILITY FOR ANY MAINTENANCE OPERATION CARRIED OUT BY NON AUTHORISED PERSONNEL.

12.2 ERRORS

The following table contains a list of messages which may appear on display:

MESSAGE	CAUSE	SOLUTION
C/N _ _ _ _	The TECH button has been pressed: the machine shows the cycle counter.	None: This option is intended as a service to the user.
NO WATER	A cycle has been started with clean water at the minimum level.	Fill the tank with clean water (see paragraphs 8 and 8.1).
DOOR OPEN	A cycle has been started with the door open.	Close the door and repeat the cycle.
END CYCLE	The sterilisation cycle is complete.	Remove the instruments. The machine is ready for a new sterilisation cycle.

13. MAINTENANCE

Disconnect the equipment from the mains before carrying out any maintenance.

13.1 DAILY MAINTENANCE

Daily maintenance includes keeping the door seals in good working order and check the used water level in the tank.

- DOOR SEAL: clean the door seal using the soft part of the sponge supplied with the equipment. Cleaning should carried out to remove any impurities which might affect the test cycles.
- WATER LEVEL (paragraph 8.1): before starting another sterilisation cycle, check the water level in the tanks.

13.2 WEEKLY MAINTENANCE

Weekly maintenance requires a visual check and cleaning of the inside of the sterilisation chamber.

- CHAMBER INTERIOR: Remove the trays and tray holder from the chamber before cleaning. Use the coarse part of the sponge supplied to remove small impurities from the bottom of the chamber. If lime deposits are found, it is advisable to check the quality of water being used (paragraph 8.3).

13.3 QUARTERLY MAINTENANCE

Quarterly maintenance requires lubrication of the door hinges.

- HINGE LUBRICATION: spray the two door hinges with small quantities of silicone oil.

13.4. YEARLY MAINTENANCE

Yearly maintenance requires cleaning of the water tank and a functional check of the equipment. The sterilizer is fundamental to the protection of patient and operator alike: even though the electronic controls of these machines are increasingly reliable, it is good practice to carry out a functional check of the equipment at least once a year. This check should be carried out by authorised service centres only, with calibrated and certified instruments, in order to guarantee the equipment a long life and reliable operation (validation). To establish the proper check procedures, refer to the instructions issued by the relevant health authority.

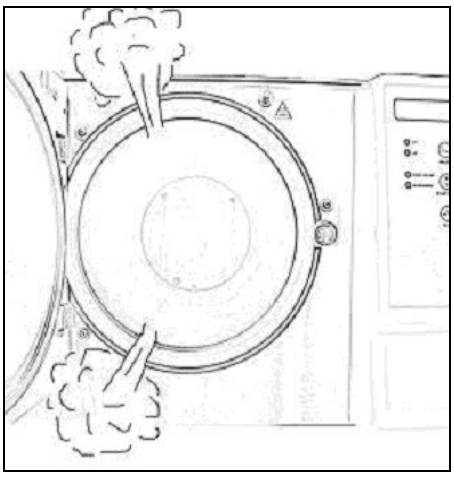
- YEARLY VALIDATION: validation requires the use of instruments calibrated by specialist centres to check the sterilisation cycle parameters. This check includes inspections of pressure and temperature probes and the timer. On request, the manufacturer issues a yearly test certificate for machines returned to its premises for maintenance and checks.

13.5 DOOR REGULATION

ATTENTION :

If the door is not correctly regulated it might create different problems:

- If it is too tight, at the end of the cycle the motor of the door would have problems in opening the door. You have to press many times the DOOR button to open the door.
- If it is too loose, there might be either steam leakages during the cycle or an alarm.



In case of steam leakage from the upper side see picture 1

In case of steam leakage from the bottom side see picture 2

PICTURE 1

PICTURE 2

Screw only once and start a new cycle

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14. TECHNICAL FEATURES

MECHANICAL SPECIFICATIONS	
Operating temperature	+5° +30°C
Max. operating altitude	2.000 m
Max. relative moisture at 30°C	80%
Max. relative moisture at 40°C	50%
Overall dimensions: L x H x D	445 x 350 x 480 mm
Overall dimensions (door open)	310 mm
Weight (with empty tanks)	35 kg
Weight (with full tanks)	40 kg
Weight per unit area of support	Max 19,22 N/m²
Volume	Max. 0.08 m³
Colour	RAL9002
Material	AISI 304 / FeP01
Noise level at 1 mt distance	53,6 dbA
Noise level in front of the display	62,2 dbA
ELECTRICAL SPECIFICATIONS	
Supply voltage	230 VAC (+/-10%)
Power	1350 W
Frequency	50-60 Hz
Power cable (L 1.5m)	2+1 x 1.5mm²
Fuses	6.3x32mm – T12A
Transmitted heat	5.76 MJ/h (1370 kcal/h)
Insulation class	1
CHAMBER SPECIFICATIONS	
Max. operating pressure	2,3 bars relative
Max. operating vacuum	-0.90 bars relative
Max. operating temperature	140°C
Material	Anodised aluminium
Dimensions : ØxD	170 x 265 mm
TRAY HOLDER SPECIFICATIONS	
Material	Anodised aluminium
TRAY SPECIFICATIONS	
Material	Anodised aluminium
No. of trays packaged with unit	1+2

POLLUTION CLASS	**2**

15. WARRANTY

Covering all non-conformity existing at the time of delivery of the equipment due to the actions or omissions of the manufacturer,

The Manufacturer warrants this product for a period of:

12 months for the entire product
5 years for the chamber of sterilization

The warranty period shall start from the date of delivery of the machine to the customer: this date shall be recorded on the warranty coupon, which is to be duly completed, signed and sealed by both the seller and the customer and sent to the manufacturer. Should any dispute arise, the date of delivery shall be the date confirmed by any document valid for fiscal purposes (delivery note, invoice, receipt or similar) and which should also carry the seller's name, the delivery date, the product details (serial number and model) and the sale price.

This WARRANTY shall be valid if the each of the following conditions is met:

1. all installation operations, plumbing connections and electrical wiring were carried out strictly in accordance with the directions in this INSTRUCTION MANUAL.
2. all usage and maintenance operations are carried out in accordance with this INSTRUCTION MANUAL.
3. all repair operations are carried out by authorised personnel exclusively using original spare parts.

This warranty does not cover parts if the non-conformity is due to:

1. poor maintenance, negligence, carelessness on behalf of users not abiding by the recommendations contained in the INSTRUCTION MANUAL.
2. tampering or any other reason not chargeable to the manufacturer.
3. components subject to normal wear and tear (e.g. polycarbonate keyboard, pipework supplied, trays, etc.) and accessories, unless it is possible to prove that this was due to a production flaw.

The Manufacturer declines all responsibility for:

1. any damage occurring during transport, if not indicated on the purchase order.
2. incorrect installation of the equipment.
3. any damage to people, animals or property, directly or indirectly caused by non compliance with the INSTRUCTION MANUAL and, in particular, with the installation, use and maintenance instructions.

Warranty limitations:

1. the user shall not be entitled to the complete replacement of the equipment if the defect is not reported within two months from the date of purchase.
2. NEWMED SRL reserves its right to carry out repair or to replace a particular component under warranty at its own discretion. The warranty does not in any case include travelling costs for manufacturer technical staff.
3. no refund is payable on account of machine downtime.
4. any tampering, repair or modification to the machine carried out by the user or by third parties not authorised by manufacturer, will automatically invalidate the warranty. For any repair and/or modifications the user shall contact solely the seller or a technical support centre recommended by the manufacturer.
5. all faulty components replaced under warranty must be returned to the seller (or otherwise be subject to a charge), if not otherwise previously agreed between the parties.

The return of all products in need of repair shall be authorised by the seller.

Any equipment sent back without authorisation will be returned to the sender.

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