

## INSTRUCTIONS FOR USE

Dear Customer,  
we kindly ask you to read carefully the following instructions before handling and using our instruments.

Each MEDESYS instrument has been manufactured with great care and professionalism and should be utilized by qualified dental specialized personnel only.

### FIRST USE (INITIAL USE)

The instrument is supplied 'NON-STERILE': it must be properly washed, rinsed and sterilized before any use. We suggest a cleansing made by Ultrasonic-device, if not available, you may also rinse the instruments manually: use a rigid brush with plastic bristles (NO metal bristles) and make sure that you use the proper washing and decontamination solutions.

It is highly recommended to sterilize the instruments only after you have accurately washed them, if the instrument is not perfectly clean, the sterilization may be prejudiced. We remind you to follow carefully the instructions for use provided by the manufacturer of the sterilization equipment.

### ADVICES FOR A PERFECT AND EFFICIENT MAINTENANCE

- a. All the cleaning operations must be exclusively carried out in areas duly equipped and specifically assigned to this purpose.
- b. Instruments must be immediately disinfected after each working session, using proper solutions whose effectiveness has been proved. Ensure that you are selecting the correct dosage of the cleaning/decontamination solution, the right washing duration and the optimal temperature. However always follow the instructions given by the equipment manufacturer and by the cleaning solutions producer.
- c. Cleaning/disinfectant solutions containing sodium hypochlorite (NaClO) may often cause oxidation or corrosion to the instruments, compromising seriously their performance grade.
- d. Cleaning/disinfecting solutions must be changed daily.
- e. The best recommended method for a proper washing of the instruments is the ultrasonic cleaning, especially suggested for the joint instruments (ex: pliers, scissors, needle-holders, ...).
- f. DO NOT put aluminium instruments NOR titanium instruments in ultrasonic baths since ultrasounds may damage both the material and the colour of the instrument.
- g. For washing/sterilization do not put together in the same tray instruments made of different metals (ex: common steel with stainless steel, aluminum, titanium, chromed steel, ...).
- h. For appropriate washing/disinfection all joint and hinged instruments (ex: pliers, scissors, needle-holders, ...) should be in the open position, multiple-part devices should be disassembled.
- i. Make sure that trays are not overloaded with instruments since this could compromise the washing/disinfection.
- j. Possible residuals after the first rinse must be completely removed.
- k. It has been proved that the ideal temperature for the final rinsing is between 80°C and 90°C.
- l. It is highly recommended to use only demineralized water during the final rinsing, a precaution which prevents the formation of dark stains.
- m. To maintain the perfect efficiency of joint instruments, it is necessary to lubricate them regularly with specific products (NEVER USE INDUSTRIAL OILS).

Autoclave sterilization by saturated steam is the most used method nowadays: steam sterilization involves the use of steam under pressure, delivered at a particular temperature for an appropriate time. Based on heat interacting on the thermal exchange with the instrument temperature and on the pressure, it produces an increase of the water evaporation latent heat.

- For optimal sterilization of instruments, we suggest to proceed by means of humid heat sterilization in an autoclave Class B. For this method of sterilization, a temperature of 134° is recommended for pressure at 2,1 bar and a temperature of 121° for pressure at 1,1 bar. For the instruments sterilized in pouches ensure that the rinsing procedure executed before the sterilization is carefully completed by a full drying cycle, note that water remains inside the sterilizing pouches may cause corrosion or oxidation to the instruments and generate bacteria formation.
- Sterile products must be preserved in specific storage areas, dry and without dust.

**ATTENTION:**

➤ **ALUMINUM AND TITANIUM INSTRUMENTS:**

Do not put aluminum instruments and titanium instruments into thermal devices and/or ultrasonic baths. For cleansing these instruments use only substances that are specifically suggested for aluminum and titanium. Note that some solutions are not compatible at all with aluminum nor titanium.

**WARNING**

The lack of observance of the fundamental instructions hereby described can permanently damage the instrument and consequently all right for substitution or reparation under warranty terms will be considered as null and void.

- Surgery instruments must always be handled with highest care and attention;
- It is full responsibility and duty of the end-user to take proper care of the instrument;
- Each instrument is designed for a specific purpose. Using it for other and different scopes can cause damages or defects to the instrument, which may lead to serious injury or even death to patient;
- All instruments must always be checked and tested before each use. Visible defects, deformations or scratches affect the functioning of the instrument. Therefore the use of defective instruments is strictly forbidden;
- Damaged or worn instruments must be immediately replaced; any eventual defective instrument can be repaired or replaced by Medesy only;
- Medesy declines all responsibility for any kind of physical damage caused by the use of defected or worn instruments that should have been replaced due to their bad condition.
- Each Medesy instrument is carefully checked and inspected before the packaging and delivery, therefore it is free from any manufacturing or functioning defect.

Medesy declines all responsibility for the following cases:

1. damages caused by a misuse of the instrument;
2. damages caused by a wrong process of cleaning and/or sterilization of the instrument;
3. damages due to the storage of the instruments in unsuitable locals;
4. damages caused by the lack of maintenance of the instrument, especially for the jointed ones, which duly need a regular lubrication in the joint parts.

The warranty **excludes** defects that are due to **normal wear and tear** of the Product

For further information or need, we remain at your complete disposal. Kindly address your requests to the following address : e-mail [info@medesy.it](mailto:info@medesy.it) ; ph. +39 (0)427 72786; fax: +39 (0)427 71541.