



# GIMA

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PROFESSIONAL MEDICAL PRODUCTS

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## EOLO NEBULIZER - piston



Instruction manual

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**REF**

**28097**



Gima S.p.A.

Via Marconi, 1 – 20060 Gessate (MI) Italy

Made in Italy

**CE** 0476



**EOLo** is an electrical fed compressor with aerosol therapy atomiser.

The instrument is designed for easy transport and handling and is recommended for atomising antibiotics and bronchodilator drugs. The high thermal insulated plastic body complies with European Safety Rules. The medical device is designed for continuous use

## GENERAL WARNING



**READ INSTRUCTION MANUAL CAREFULLY BEFORE USE**

**DRUG ADMINISTRATION MUST BE UNDER MEDICAL CONTROL**

**THE INSTRUMENT MUST NOT BE DISASSEMBLED. FOR A TECHNICAL SERVICE ALWAYS CONTACT GIMA**

## IMPORTANT SAFETY RULES

1. On opening the packaging, check the integrity of the appliance, paying particular attention to the presence of damage to the plastic parts, which may make access possible to internal live parts and also to breakage and / or peeling of the power supply cable. **In these cases don't connect the plug to the electric socket. Carry out these controls before each use;**
2. before connecting the appliance always check that the electric data indicated on the data label and the type of plug used, correspond to those of the mains electricity to which it's to be connected;
3. Never leave the appliance inserted if not necessary disconnect the plug from the mains power supply when it is not being used;
4. Respect the safety regulations indicated for electrical appliances and particularly:
  - Only use original accessories and components provided by the manufacturer GIMA to guarantee the highest efficiency and safety of the device;
  - Never immerge the appliance into water;
  - Position the appliance on flat stable surfaces;
  - Position the device in a way that the air inlets on the back aren't obstructed;
  - Never use the device in environments which have anaesthetic mixtures inflammable with air, oxygen or nitric oxide;
  - Don't touch the device with wet hands and always prevent the appliance coming into contact with liquids;
  - The use of this device by children and / or incompetent person always requires the careful surveillance of an adult in possession of their full mental faculties;
  - The medical device, and most of all the nebulae, must be kept out of children's reach as it contains small parts that could be swallowed;
  - Don't leave the appliance connected to the power supply socket when not in use;
  - Don't pull the power supply cable to disconnect the plug remove the plug from the mains socket correctly;
  - Store and use the device in places protected against the weather and far from any sources of heat. After each use, it is recommended to store the device in its own box away from dust and sunlight.
  - In general, it is inadvisable to use single or multiple adapters and/or extensions. Should their use be necessary, you must use ones that are in compliance with safety regulations, however, taking care not to exceed the maximum power supply tolerated, which is indicated on the adapters and extensions.
5. For repairs, exclusively contact GIMA technical service and request the use of original spare parts.  
Failure to comply with the above can jeopardise the safety of the device;
6. **This medical device must be destined exclusively for the use for which it has been designed and described in this manual. It must therefore be used as an aerosol therapy system.** Any different use must be considered incorrect and therefore dangerous; the manufacturer cannot be considered liable for damage caused by improper, incorrect and / or unreasonable use or if the appliance is used in electrical plants that are not in compliance with the regulations in force;
7. The medical device requires special precautions regarding electromagnetic compatibility and must be installed and used in accordance with the information provided with the accompanying documents: the Eolo device must be installed and used away from mobile and portable RF communication devices (mobile phones, transceivers, etc.) that may interfere with the said device.
8. Store the accessories out of reach of children. Children and people with learning difficulties must only use the medical device under the strict supervision of an adult with full mental faculties. Keep the ampoule out of reach of children under 36 months as it contains small parts that may be swallowed accidentally. **Never leave the device unattended in places accessible to minors and / or the disabled.**
9. **WARNING:** None of electric or mechanical parts have been designed to be repaired by customers or end-users. Don't open the device, do not mishandle the electric / mechanical parts. Always contact GIMA technical assistance.
10. Do not leave the device unattended in places accessible to children and / or persons not in full possession of their mental faculties as there is a risk of strangulation with the air tube;
11. The medical device may come into contact with the patient via the nebuliser / masks / mouthpiece and / or nosepiece, components compliant with the requirements of regulation ISO 10993-1: therefore, no allergic reaction and skin irritation may occur.
12. The product and its parts are biocompatible in accordance with the requirements of regulation EN 60601-1.
13. Operation of the device is very simple and therefore no further explanations are required other than those indicated in the following user manual.

14. Using the device in environmental conditions different than those indicated in this manual may harm seriously the safety and the technical characteristics of the same;
15. The materials used to contain the drugs are made with highly stable thermoplastic polymers that are resistant against chemicals. Such materials were tested with commonly used drugs (Salbutamol, Beclametasone dipropionate, Acetylcysteine, Budesonide, Ambroxol) and no interaction phenomenon was observed. Interactions cannot however be excluded given the variety and the continuous evolution of the drugs that are used. Remember to:
  - To consume the drugs as quickly as possible after opening its package;
  - To avoid keeping the drug in the tray-like container for too long and to clean it immediately after every application;
  - If the tray-like container presents any abnormal situation (such as softening or cracks), do not introduce any solution and do not proceed with the inhalation. Contact the technical service and describe the methods and type of drugs used.
16. Remember to:
  - Only use this device with medicines prescribed by your doctor;
  - Carry out the treatment only using the accessory indicated by the doctor according to the pathology.



**Under certain failure conditions the temperature of the casing may become hot and there may be a risk of burns if you touch those parts. In any case, the temperatures do not exceed the limit of 105°C (ref. Interpretation Sheet IEC 60601-1).**

**TECHNICAL CHARACTERISTICS**

Model	<b>EOLO NEBULIZER</b>	
Typology (MDD 93/42/EEC)	Class IIa Medical device	
Power Feeding	230V ~ / 50 Hz	
Power Consumption	170 VA	
Fuse	F 1 x 1.6A L 250V	
Max Pressure	250 kPa (2.5 Bar)	
Max Air Flow	14 l/min	
Operating Pressure	110 kPa (1.1 Bar)	
Operating Air Flow	5.0 l/min a 110 kPa	
Neb-Rate (with 4ml of 0.9% NaCl solution)	0.40 ml/min with 4ml of 0.9% NaCl solution	
MMAD	2.44 µm	
GSD	2.87	
Weight	1.65 Kg	
Size	148 x 223 (h) x 124 (h)	
Noise Level (measured as specifications of EN 13544-1)	Approx. 55dB (A)	
Duty Cycle (to 40°C and 110% operating voltage)	Non-Stop Operated	
Min Capacity Nebulizer	2ml	
Max Capacity Nebulizer	6ml	
Working Condition	Room temperature:	5 ÷ 40 °C
	Room humidity percentage:	10 ÷ 93 % RH
	Atmospheric pressure:	700 ÷ 1060 hPa
Conservation condition and Transport	Room temperature:	- 25 ÷ 70 °C
	Room humidity percentage:	0 ÷ 93% RH
	Atmospheric pressure:	500 ÷ 1060 hPa








**The manufacturer cannot be held liable for accidental or indirect damages should the device be modified, repaired without authorization or should any of its component be damaged due to accident or misuse. Any minimal modification / repair on the device voids the warranty and does not guarantee the compliance with the technical requirements provided by the MDD 93/42/EEC (and subsequent changes) and its normatives.**

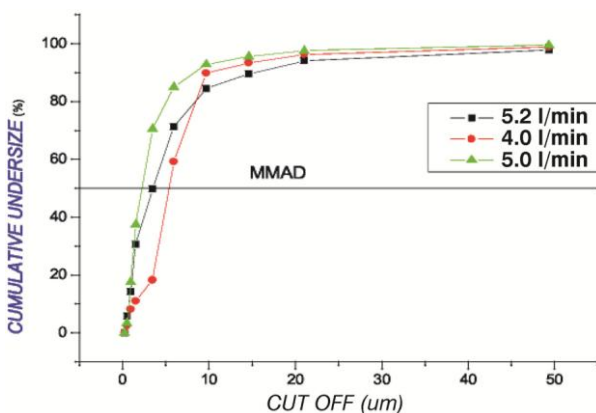


**IMPORTANT INFORMATION FOR CORRECT DISPOSAL OF THE PRODUCT IN ACCORDANCE WITH EC DIRECTIVE 2012/19/UE-WEEE:**

The symbol on the device indicates the separated collection of electric and electronic equipment. At the end of life of the device, don't dispose it as mixed solid municipal waste, but dispose it referring to a specific collection centre located in your area or returning it to the distributor, when buying a new device of the same type to be used with the same functions. This procedure of separated collection of electric and electronic devices is carried out forecasting a European environmental policy aiming at safeguarding, protecting and improving environment quality, as well as avoiding potential effects on human health due to the presence of hazardous substances in such equipment or to an improper use of the same or of parts of the same **Caution:** The wrong disposal of electric and electronic equipment may involve sanctions.

## SIMBOLOGY

	Class II isolation equipment	
	CE marking in conformity with EC directive 93/42/EEC and subsequent changes	
	General warnings and/or specifications	
	Consult the instruction manual	
	Applied part type BF (Nebulizer, mouthpiece, nosepiece, pediatric mask and Adult mask)	
	Conservation temperature: $-25 \div 70^{\circ}\text{C}$	
	Keep in a cool, dry place	
~	Alternate Current	
Hz	Mains Frequency	
I	ON	
0	OFF	
<b>LOT</b>	Lot Number	
<b>SN</b>	Serial Number	
<b>REF</b>	Identification device	
IP21	Degree of protection an electrical device provides in the case of accidental or intentional contact with the human body or with objects, and protection in the case of contact with water.	
	<b>1st DIGIT PENETRATION OF SOLIDS</b>	<b>2nd DIGIT PENETRATION OF LIQUIDS</b>
	Protected against solids having a dimension greater than $\varnothing$ 12mm	Protected against the vertical flow of drops of water



MMAD = Mass Median Aerodynamic Diameter  
GSD = Geometric Standard Deviation

NB: The measures and curves are not valid for the high viscosity suspension drug.

## CLEANING DEVICE

Use a soft dry cloth with not – abrasive and not – solvent detergents. The device's plug must be removed from the wall socket before proceeding with any cleaning procedures.

## CLEANING AND WASHING OF ACCESSORIES

Before using and/or after cleaning, pay special attention to ensure that all the accessories supplied with the device are intact. Switch off the device before cleaning it and disconnect the mains cable from the electrical socket.

### PREPARATION

1. Pull out the air tube from the nebulizer and leave it plugged into the air outlet nozzle of the device;
2. Rotate the upper part of the nebulizer anti-clockwise;
3. Use your fingers to disconnect the internal pisper at the bottom of the nebuliser.

### CLEANING

Before and after each use proceed with cleaning all of the components of the nebulizer (with the exception of the air tube) according to one of the two methods described below.

**Method 1:** Thoroughly clean the components for 5 minutes, using warm drinking tap water (about 40°C) and/or mild soap.

**Method 2:** Clean the components (except for the air tube) by immersing them in a solution with 60% water and 40% white vinegar. When finished, thoroughly rinse with warm drinking water (approx. 40°C).

After cleaning, rinse thoroughly by removing the excess water and allow to air dry in a clean place.



**DO NOT BOIL OR AUTOCLAVE THE AIR TUBE AND MASKS  
DO NOT WASH ACCESSORIES IN A DISHWASHER**

### WASHING

If there are pathologies with risks of infection and microbial contamination, it is the end user's responsibility to proceed with suitable washing. The washing procedure can only be carried out if the components to be treated have undergone specific cleaning (see chapter on cleaning).

Proceed as follows for the washing procedure:

- Fill a container, of a suitable size to contain all the individual components, with a solution of drinking water and disinfectant (hypochlorite-based solution readily available in a pharmacy) by following the proportions indicated on the packaging of the disinfectant itself;
  - The period of time for which is to be immersed in this solution is indicated on the packaging of the hypochlorite solution in accordance with the chosen concentration for preparing the solution;
  - Rinse thoroughly with lukewarm drinking water to remove all traces of the solution.
- Dry and store in a dry, dust-free environment.
- Dispose of the used solution according to the instructions provided by the manufacturer of the disinfectant solution.

## STANDARD ACCESSORIES

ACCESSORIES
HI-FLO KIT – REF RE 300300 (Nebulizer HI-FLO, Adult Mask, Pediatric Mask, Air Tube and Mouth-piece, Nosepiece)

For each individual patient it's recommended to use the nebulizer for 6 months or for a maximum of 120 treatments.

The nebulizer must be replaced after a long period of inactivity, if it is deformed or broken, or if the nebulizer nozzle is blocked by dry medicine, dust, etc.. **Only use the original nebulizer supplied by GIMA with the device**

Use the "nose piece" accessory only if expressly indicated by your doctor and paying attention **NEVER** to introduce inside the nose the nasal bifurcation, but only bring it as close as possible.

***In the presence of infection or microbial contamination prone pathologies, we recommend using your personal accessories and nebulizer (always consult your doctor).***

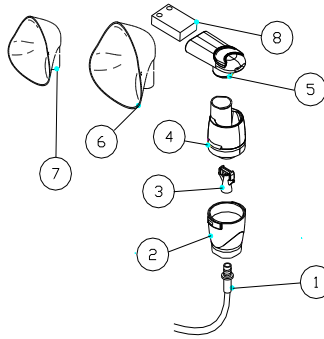
The device is equipped with a filter that removes any impurities from the air that was sucked in by the compressor. The air filter must be replaced every 25 hours of functioning or when it result particularly worn.

For replacement, lift the filter and replace with a new one. Only use original GIMA filter.

The mask and tube must be replaced as soon as the materials they are made of show signs of deterioration.



**DON'T USE THE DEVICE WITHOUT AIR FILTER**



- 1- Air Tube
- 2- Nebulizer Tank
- 3- Nebulization Nozzle
- 4- Nebulizer Top
- 5- Mouthpiece
- 6- Adult Mask
- 7- Pediatric Mask
- 8- Nosepiece

## INSTRUCTION FOR USE

- The device must be checked before each use in order to detect malfunctions and / or damage caused by transport and / or storage.
- During the inhalation must sit in an upright and relaxed position at a table and not in an armchair, to avoid compressing the airways and therefore compromising the effectiveness of the treatment.
- It is recommended not to keep the device in your hands and / or to avoid prolonged contact with the body of apparatus.

**WARNING: Put the device on a flat and stable surface in order not to block the cooling vents on the sides of the device.**

- Extract the power supply cable and insert the plug into the mains socket. It is recommended to unwind the entire length of the power supply cable to prevent dangerous overheating. If the power supply cable is damaged and must be replaced contact the GIMA technical service;
- Open the nebulizer 2 by unscrewing the lid;
- Pour the medicine prescribed by the doctor into the nebulizer;
- Re-close the nebulizer, re-screwing the lid;
- Connect air pipe 5 to the air exit well 4;
- Connect the other end of the pipe to the connection in the lower part of the nebulizer;
- Connect the desired accessory to the nebulizer: child mask or adult mask, mouth-piece or nosepiece;
- Ensure that the supplied air filter (6) is present;
- Press switch 1 on position 1 to proceed with nebulization;
- On completing of nebulization, press the switch on position 0 and remove the plug from the socket;
- Wash the nebulizer and its accessories as indicated in the cleaning charter;
- Place the cable and accessories inside the box.



Always use the nebulizer facing upwards so that substances and / or medicines cannot escape from the nebulizer during the normal use.

**WARNING:** The power supply cable plug is the element of separation from the electrical mains system: even if the units equipped with a special on / off switch button, the power supply plug must be kept accessible once the device is in use so as to allow a further method of disconnection from the mains supply system.



**NEVER INHALE IN HORIZONTAL POSITION  
NEVER BEND THE NEBULIZER OVER 60°**

## RISK OF ELECTROMAGNETIC INTERFERENCE AND POSSIBLE REMEDIES


This section contains information regarding the conformity of the compliance with the EN 60601-1-2 Standard. The Eolo is an electro-medical device that requires particular precautions regarding electro-magnetic compatibility and which must be installed and commissioned according to the electro-magnetic compatibility information supplied. Portable and mobile radio communication devices (mobile phones, transceivers, etc.) may interfere with the medical device and should not be used in close proximity with, adjacent to or on top of the medical device. If such use is necessary and unavoidable, special precautions should be taken so that the electro-medical device functions properly in its intended operating configuration (for example, constantly and visually checking for the absence of anomalies or malfunctions). The use of accessories, transducers and cables different to those specified, with the exception of transducers and cables sold by the appliance and system manufacturer as spare parts, can lead to an increase in emissions or in a decrease of the immunity of the device or system. The following tables supply information regarding the EMC (Electromagnetic Compatibility) characteristics of the electro-medical device.

<b>Guidance and manufacturer's declaration – Electromagnetic Emissions</b>		
The <b>EOLO Nebulizer</b> is intended for use in the electromagnetic environment specified below. The customers or the user of the <b>EOLO Nebulizer</b> should assure that it's used in such an environment.		
Emissions Test	Compliance	Electromagnetic environment - guidance
Irradiated / Conducted emissions CISPR11	Group 1	The EOLO Nebulizer only used RF energy only for its internal functioning. Therefore its RF emissions are very low and are not cause interference in proximity of any Electronic appliances.
Irradiated / Conducted emissions CISPR11	Class [B]	The EOLO Nebulizer can be used in all environments, including domestic and those connected directly to the public mains distribution that supplies power to environments used for domestic scopes or environments feeds to you from batteries.
Harmonic emissions EN 61000-3-2	Class [A]	
Voltage fluctuations / flicker emissions EN 61000-3-3	Complies	

<b>Guidance and manufacturer's declaration – Immunity Emissions</b>			
The <b>EOLO Nebulizer</b> is intended for use in the electromagnetic environment specified below. The customers or the user of the <b>EOLO Nebulizer</b> should assure that it's used in such an environment.			
Immunity Test	Level indicated by the EN 60601-1-2	Compliance Level	Electromagnetic environments - guidance
Electrostatic discharge (ESD) EN 61000-4-2	± 6kV on contact ± 8kV in air	The device doesn't change its state	Floors should be wood, or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30%.
Electrical fast transient / burst EN 61000-4-4	± 2kV power supply lines ± 1kV for input / output lines	The device doesn't change its state	Mains power quality should be that of a typical commercial environment or hospital
Surge EN 61000-4-5	± 1kV differential mode	The device doesn't change its state	Mains power quality should be that of a typical commercial environment or hospital
Loss of voltage, brief voltage interruptions and variations EN 61000-4-11	5%U <sub>T</sub> (>95% dip U <sub>T</sub> ) for 0.5 cycle 40%U <sub>T</sub> (>60% dip U <sub>T</sub> ) for 5 cycle 70%U <sub>T</sub> (>30% dip U <sub>T</sub> ) for 25 cycle <5%U <sub>T</sub> (>95% dip U <sub>T</sub> ) for 5 sec	-	Mains power quality should be that of a typical commercial environment or hospital If the user of the EOLO Nebulizer request that the appliance operates continuously, the use of a continuity unit is recommended.
Magnetic field EN 61000-4-8	3A/m	The device doesn't change its state	The power frequency magnetic field should be measured in the intended installation location to assure that it's sufficiently low.
Note U <sub>T</sub> is the value of the power supply voltage			

**Guidance and manufacturer's declaration – Immunity Emissions**

The **EOLO Nebulizer** is intended for use in the electromagnetic environment specified below.  
The customers or the user of the **EOLO Nebulizer** should assure that it's used in such an environment.

Immunity Test	Level indicated by the EN 60601-1-2	Compliance level	Electromagnetic environments - guidance
Conducted Immunity EN 61000-4-6	3Vrms 150kHz to 80Mhz (for non life-supporting devices)	$V_1 = 3 \text{ V rms}$	<p>The portable and mobile RF communication devices, including cables, must not be used closer to the EOLO device, than the separation distance calculated by the equation applicable to the transmitter frequency. Recommended separation distance</p> $d = [3,5 / V_1] \sqrt{P}$ $d = [12 / E_1] \sqrt{P} \text{ from 80 MHz to 800MHz}$ $d = [23 / E_1] \sqrt{P} \text{ from 800 MHz to 2.5 GHz}$ <p>Where P is the maximum nominal output voltage of the transmitter in Watt (W) depending on the manufacturer of the transmitter and the recommended separation distance in metres (m). The intensity of the field from the fixed RF transmitters, as determined by an electro-magnetic study of the site<sup>a)</sup>, could be lower than the level of conformity of each frequency interval<sup>b)</sup>. It is possible to check for interference in proximity to devices identified by the following symbol:</p> 
Radiated Immunity EN 61000-4-3	3V/m 80MHz to 2.5GHz (for non life-supporting devices)	$E_1 = 3 \text{ V / m}$	

Note 1: At 80 MHz and 800 MHz the interval with the highest frequency is applied

Note 2: These guide lines may not be applicable in all situations. The electro-magnetic propagation is influenced by the absorption and by reflection from buildings, objects and people.

a) The field intensity for fixed transmitters such as the base stations for radiotelephones (mobile and cordless) and terrestrial mobile radio, amateur radio devices, radio AM and FM transmitters and TV transmitters can not be theoretically and accurately foreseen. To establish an electro-magnetic environment generated by fixed RF transmitters, an electro-magnetic study of the site should be considered. If the field intensity measured in the place where the device will be used surpasses the above mentioned applicable level of conformity, the normal functioning of the device should be monitored. If abnormal performance arises, additional measures such as changing the device's direction or positioning may be necessary.

b) The field intensity on an interval frequency of 150 kHz to 80 MHz should be less than 3 V/m.

**Recommended separation distance between portable and mobile radio-communication devices and the monitor**

The EOLO Nebulizer is intended to operate in an electro-magnetic environment where RF irradiated interferences are under control. The client or operator of the EOLO device can help prevent electro-magnetic interference by keeping a minimum distance between the portable and mobile RF communication devices (transmitters) and the EOLO device, as recommended below, in relation to the radio-communication maximum output power.

Maximum nominal output power of the Transmitter W	Separation distance from the frequency transmitter (m)		
	150 kHz to 80 MHz $d = [3,5 / V_1] \sqrt{P}$	80 MHz to 800 MHz $d = [12/E_1] \sqrt{P}$	800 MHz to 2.5 GHz $d = [23/E_1] \sqrt{P}$
0,01	0,12	0,12	0,23
0,1	0,38	0,38	0,73
1	1,2	1,2	2,3
10	3,8	3,8	7,3
100	12	12	23

For transmitters with a maximum nominal output power not shown above, the recommended separation distance in metres (m) can be calculated using the equation applicable to the transmitter frequency, where P is the maximum nominal output power of the transmitter in Watt (W) depending on the transmitter's manufacturer.

Note 1: At 80 MHz and 800 MHz the interval with the highest frequency is applied

Note 2: These guide lines may not be applicable in all situations. The electro-magnetic propagation is influenced by the absorption and by the reflection from buildings, objects and people.



## MAINTENANCE

The **EOLO** nebulizer does not need maintenance or lubrication.

With regard to training, given the information contained in the user manual and since it is easy to understand the said device, it doesn't appear to be necessary. It is necessary to check functioning and instrument before every use.

Connect cable to electrical network and turn switch on. Close the compressor mouthpiece with a finger and verify that loud noises are not present, these can indicate wrong functioning. Verify that the atomiser is not damaged by previous use (it was badly put away or badly knocked).

A protection fuse (**F 1.6 A L 250V**) not reachable from exterior protects the instrument.

For fuse replacing, please make reference to manufacturer technical personnel.

*Gima S.p.A. will provide upon request electric diagrams, components list, description, setting instructions and any other information that can help the technical assistance staff for product repair.*

In the event that the service personnel has to replace the power cord is recommended that the correct connection and proper fastening of the same component.

Fault type	Cause	Solution
1. Low Nebulization	Clogged Nebulizer Tank	Clean and disinfect the nebulizer tank as explained in the instruction manual
2. Low Nebulization	Clogged Nebulizer Tank	If cleaning was not succesful change cruet
3. Absence of Nebulization	Clogged Nebulizer Tank	Check that the nebulizer contains medication; Make sure that the nebulizer is not clogged; Check the connection between the compressor air outlet port and the accessories
4. Slow Nebulization	Highly dense drug	Dilute drug in physiological liquid
5. Noisy Device	Extended use	Call retainer or manufacturer GIMA
<b>Fault 1 - 2 - 3 - 4 - 5</b>	<b>No solution with previous items</b>	<b>Call retainer or manufacturer GIMA</b>

If the unit doesn't nebulizer once the above conditions have been checked, we suggest to contact your dealer or technical service GIMA.



**BEFORE EVERY CHECKING OPERATION, IN CASE OF ANOMALIES OR BAD FUNCTIONING, PLEASE CONTACT GIMA TECHNICAL SERVICE. GIMA DOES NOT GIVE GUARANTEE IF INSTRUMENT, AFTER THE TECHNICAL SERVICE CHECKING, APPEARS TO BE TAMPERED.**

**ANY MINIMAL MODIFICATION / REPAIR ON THE DEVICE VOIDS THE WARRANTY AND DOES NOT GUARANTEE THE COMPLIANCE WITH THE TECHNICAL REQUIREMENTS PROVIDED BY THE MDD 93/42/EEC DIRECTIVE (AND SUBSEQUENT CHANGES) AND ITS NORMATIVES.**

## RULES FOR RETURNING AND REPAIRING

**COMPLYING WITH THE NEW EUROPEAN RULES, GIMA INDICATES THE IMPORTANT POINTS TO PROTECT INSTRUMENT AND OPERATORS HYGIENE. THESE RULES MUST BE RESPECTED IN ORDER TO GUARANTEE HYGIENE AND SAFETY TO ALL THE PEOPLE OPERATING WITH THE INSTRUMENT TO OBTAIN QUALITY AND WELL BEING.**

Every returned instrument will be hygienically checked before repairing. If GIMA finds instrument not suitable for repairing due to clear signs of internal or external contamination, the same will be returned to customer with specification of NOT REPAIRED INSTRUMENT, accompanied by an explanation letter.

GIMA will decide if contamination is due to bad functioning or misuse. If contamination is due to bad functioning, GIMA will substitute the instrument, only if SALE RECEIPT and STAMPED GUARANTEE accompany the same.

GIMA is not responsible for contaminated accessories, they will be substitute at customer's expenses.

For this reason it is **COMPULSORY** to carefully disinfect the external part of the instrument and accessories with a cloth soaked in methylated spirits or hypochlorite-based solutions. Put the instrument and accessories in a bag with indication of disinfecting. We also request to specify the kind of fault, in order to speed up repairing procedures.

To this end, please read the instructions carefully in order to avoid damaging the equipment through improper use.

Always specify the fault encountered so that GIMA can establish whether it falls into the category of the faults covered by the guarantee.



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PROFESSIONAL MEDICAL PRODUCTS

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Italian  
Medical  
Touch

## Certificato di Garanzia / Warranty Certificate

Apparecchio tipo / Device model \_\_\_\_\_

Lotto di produzione / Lot \_\_\_\_\_ n° serie / serial number \_\_\_\_\_

Acquistato in data / Purchasing date \_\_\_\_\_

Rivenditore / Authorized Dealer \_\_\_\_\_

Via / Street \_\_\_\_\_ Località / Place \_\_\_\_\_

Venduto A / Purchased By \_\_\_\_\_

Via / Street \_\_\_\_\_ Località / Place \_\_\_\_\_

Descrizione del Difetto / Defect description \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Timbro del Rivenditore / Retailer's stamp



Gima S.p.A.  
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MADE IN ITALY