

USE AND MAINTENANCE MANUAL

Electrolytic generator for the production of colloidal silver - Silveraqua SV1 model

Thank you for your purchase of our electrolytic generator for the production of colloidal silver: **SilverAqua Model SV1**. (hereinafter referred to as SV1)

The device is made of high-quality materials and will produce for you and your family all the colloidal silver you need for years to come.

SV1 is a professional device designed after years of research. It works with a specific frequency capable to produce particles up to 5 nm. The pole reverser guarantees maximum cleanliness of the large silver bars. SV1 can automatically control current and voltage to make the water conductive without having to heat it, up to maximum of 35 PPM allowing you to produce five liters of colloidal silver in just nine hours (12/16 PPM).



DLGSHOP di Del Grosso Stefano

Headquarters: Via Chiantigiana, 36 - 52025 Montevarchi (AR) Italy

Phone: +39 055 980563

E-mail: info@silveraqua.it

Website: www.silveraqua.it



Summary

Section 1	3
DECLARATION OF CONFORMITY	4
MANUFACTURER'S DATA	4
AUTHORIZED SERVICE	4
PRESENTATION OF THIS MANUAL	5
Conventions	6
Pictograms	6
ATTACHED DOCUMENTATION	7
Section 2	8
WARRANTY	9
GENERAL SAFETY STANDARDS	10
Warning	10
Safety regulations	10
DESCRIPTION	11
TECHNICAL DATA	11
INTENDED USE	11
UNINTENDED USE	11
Residual Risks	11
Section 3	13
UNPACKINGINSTRUCTIONS	14
HANDLING	14
Locations	14
Handling procedure	14
POSITIONING, CONNECTION and DISCONNECTION	14
Preliminary checks	
Preparation for use	15
USE	16
lssues	16
Procedures for use	16
Production of 1.5/5 liters of colloidal silver	17
Post-production recommendations and information	18
Figures	19
Section 4	20
MAINTENANCE	21
Safety	21
, Periodic Maintenance	
Extraordinary maintenance	
Fuse Replacement	
DECOMMISSIONING	
Product deactivation	22
DISPOSAL	23



Section 1

Declaration of conformity Manufacturer's data Authorized service Presentation of this Manual Attached documents



DECLARATION OF CONFORMITY

The colloidal silver generator described in this documentation is accompanied by a declaration of conformity, drawn up in compliance with the legislation in force in Europe.



NOTE

BEFORE USING THE PRODUCT IN ANY FORM, CHECK THE PRESENCE OF THE DECLARATION OF CONFORMITY.



NOTE

IF THE PRODUCT IS TRANSFERRED TO A THIRD PARTY, ALL DOCUMENTATION MUST BE DELIVERED ALONG WITH IT.

MANUFACTURER'S DATA

Company name	DLGSHOP di Del Grosso Stefano	
F- /		
Corporate headquarters	Via Chiantigiana, 36 - 52025 Montevarchi (AR) Italy	
VAT No.	01733730517	
Phone	+39 055980563	
Fax	+39 055985700	
E-mail	<u>info@silveraqua.it</u>	
Website	www.silveraqua.it	

AUTHORIZED SERVICE

Authorized service on the product is carried out directly by DLGSHOP or by a qualified technician appointed by it.



PRESENTATION OF THIS MANUAL



NOTE

UPON RECEIPT OF THE PRODUCT, BEFORE PERFORMING ANY OPERATION, READ THIS MANUAL CAREFULLY

This manual contains instructions for positioning, connecting, operating and maintaining the colloidal silver generator Silveraqua SV1 (hereinafter referred to as the **SV1**). The manual consists of several sections, each of which covers a series of topics, subdivided into chapters and paragraphs.

The Index lists all topics covered in the manual. The numbering of the pages is progressive and each page contains the page number. This manual is intended for the operator in charge of positioning, connecting, using and maintaining the colloidal silver generator and refers to its technical life after its manufacturing and sale.

In the event that it is subsequently sold to third parties for any reason (sale, loan for use, or any other reason), the colloidal silver generator must be delivered complete with all its documentation.

Before starting any operation, it is necessary to read the entire manual and then read in detail the topic related to the operations to be carried out.

This manual contains proprietary and confidential information and may not be provided even in part to third parties for any use or in any form without the prior written consent of DLGSHOP.

DLGSHOP states that the information contained in this manual is consistent with the technical and safety specifications of the colloidal silver generator to which the manual refers.

A certified copy of this manual is stored in the technical file of the colloidal silver generator held at DLGSHOP.

DLGSHOP does not recognize any documentation not produced, issued or distributed by its offices or by its authorized representatives.

This manual, like the entire technical file, will be stored by the manufacturer for the period required by law.

During this period, a copy of the documentation accompanying the product may be requested at the time of sale.

The entire technical file remains available for this period only to the supervisory authorities, which may request a copy.

After this period, it will be the obligation and care of the party that manages the product to ensure that both the product and the documentation comply with the laws in force at the time of inspection.



Conventions

In order to obtain a more immediate understanding of the topics, the manual adopted the graphical and typographical symbols and conventions described below.

Graphical Warning Conventions



NOTE

THE NOTES CONTAIN IMPORTANT INFORMATION, HIGHLIGHTED OUTSIDE THE TEXT TO WHICH THEY REFER



WARNING!

WARNINGS INDICATE THOSE PROCEDURES WHOSE FULL OR PARTIAL NON-FULFILLMENT MAY CAUSE DAMAGES TO THE PRODUCT OR ITS COMPONENTS AND MAY EXPOSE A USER TO HAZARDS.



HAZARD

HAZARDS INDICATE THOSE PROCEDURES WHOSE FULL OR PARTIAL NON-FULFILLMENT MAY CAUSE DAMAGES OR INJURIES TO THE HEALTH OF THE USER OR OTHER PEOPLE IN THE VICINITY. SERIOUS DAMAGES TO THE PRODUCT.

Pictograms

The following pictograms can be found on the colloidal silver generator:

Hazards



Risk of electrocution Area under voltage





WARNING! Pictograms that perform a safety role must not be removed, covered or damaged.

ATTACHED DOCUMENTATION

The documentation attached to the generator in addition to this manual is:

- Adapter Manual
- Adapter certificate of conformity downloadable from: <u>http://www.meanwell.com/webapp/product/search.aspx?prod=GS25E</u> or you may request it from <u>info@silveraqua.it</u>
- Declaration of conformity for the Sv1 generator downloadable from <u>www.silveraqua.it</u>.it under the entry " "IL GENERATORE SILVERAQUA" (SILVERAQUA GENERATOR), or you may request it from <u>info@silveraqua.it</u>



NOTE

BEFORE USING THE PRODUCT, CHECK THE PRESENCE OF ALL ATTACHED DOCUMENTS.



NOTE

IF THE PRODUCT IS TRANSFERRED TO A THIRD PARTY, ALL DOCUMENTATION MUST BE DELIVERED ALONG WITH IT.



Section 2

Warranty General safety requirements Description and technical data Intended and unintended use Residual Risks



WARRANTY

The warranty conditions, fully listed in the purchase agreement, only apply if the colloidal silver generator is used for the intended use.

With the exception of ordinary and extraordinary maintenance interventions described in the MAINTENANCE section and carried out in accordance with the indicated procedures, any repair or change made to the product by the user or by unauthorized companies will void the warranty.

The warranty will not cover damages caused by inexperience or negligence in the use of the product, or by poor or omitted maintenance.

1	The warranty is valid for a period of twelve (12) or twenty-four (24) months depending on the type of buyer (legal person or natural person).
?	The manufacturer undertakes to replace, at its discretion, the malfunctioning parts or defective manufacturing parts, only after a carefu
	inspection and confirmation of faulty workmanship.
3	The buyer will bear the transportation and/or shipping costs in case of incorrect use of the warranty terms.
1	During the warranty period, replaced parts become the property of the manufacturer.
5	This warranty is only available to the original purchaser that complied with the standard maintenance instructions contained in the manual
	Our liability on the warranty expires when: the original owner transfers ownership of the product, or changes are made to the product.
5	The warranty does not cover damages caused by excessive stress, such as the use of the product after an identified malfunction, the use of unsuitable operating methods or failure to comply with the operating and maintenance instructions.
7	The manufacturer shall not be liable for any difficulty that may arise in the resale or use abroad due to the provisions in force in the countr
	where the product was sold.
3	The defective product must be delivered or shipped to the manufacturer for repair or replacement; otherwise the replaced part will b
	charged to the purchaser.

Attention: If it is necessary to make a claim under the warranty, please provide the following information:

1	Туре
2	Date of purchase (submission of purchase document)
3	Detailed description of the issue



NOTE

FAILURE TO COMPLY WITH THE METHODS OF INTERVENTION AND USE OF THE PRODUCT DESCRIBED IN THIS DOCUMENTATION WILL VOID THE WARRANTY.



GENERAL SAFETY STANDARDS

Warning

If any part of the documentation is even just partially incomplete or illegible, contact DLGSHOP before carrying out any further operation with the colloidal silver generator.

This chapter describes the general safety instructions to be complied with during any operation performed with the product. The intervention procedures, described in the following chapters, must be carried out in compliance with the implementation procedures and the general safety standards specified in this chapter.

The safety standards and the positioning, connection, use and maintenance procedures specified in this document are complementary to the general safety standards on work safety that must be complied with.

Different countries may have different safety regulations. Therefore, it is specified that in all cases where the documentation regulations happen to be in conflict or reductive compared to the regulations of the country in which the colloidal silver generator is used, the regulations of the country will prevail over those of the documentation.



NOTE

THE MANUFACTURER CANNOT BE HELD LIABLE IN ANY CASE FOR ACCIDENTS OR DAMAGES CAUSED BY THE UNINTENDED USE OF THE PRODUCT, AS WELL AS BY THE NON-COMPLIANCE EVEN IF ARTIAL, WITH THE SAFETY REGULATIONS AND INTERVENTION PROCEDURES DESCRIBED IN THE DOCUMENTATION.

The non-compliance with the regulations for use and the intervention, connection, use and maintenance of the colloidal silver generator contained in the manual will also void the warranty,

Safety regulations

When using the colloidal silver generator, incorrect operating situations may occur which are not described in the documentation. These abnormal situations can sometimes be caused by environmental factors or by accidental failures not foreseeable by the manufacturer. If a problem occurs during the use of the product, contact the manufacturer.

The manual must be kept by the personnel in charge of the management, maintenance and use of the colloidal silver generator. In the event of deterioration or loss, the client may request a certified copy from the manufacturer. We suggest to keep a backup copy in a place where it cannot be damaged or lost.

WARNING!

SINCE IT WOULD BE IMPOSSIBLE TO DESCRIBE ALL THE OPERATIONS THAT MUST NOT OR CANNOT BE PERFORMED, PLEASE CONSIDER THAT ALL THE OPERATIONS (OTHER THAN STANDARD INTENDED USE) THAT ARE NOT EXPLICITLY DESCRIBED IN THE MANUAL PROVIDED WITH THE PRODUCT, MUST BE CONSIDERED AS NOT TO BE PERFORMED.



DESCRIPTION

The product described in the documentation is an electrolytic generator for the production of colloidal silver.

TECHNICAL DATA

Electrical power supply Transformer 100-240V A.C. frequency 50/60 Hz. Output 48 V D.C. Power: 25W Transformer dimensions: L 54 mm x W 72 mm x H 79 mm Transformer weight: about 186 gr

Generator dimensions: L 200 mm x W 150 mm x H 89 mm Generator weight: about 500 gr Glass slow blow fuse: 125 MA 250 VAC 5x20 mm

Power on with 0/1 positions START/STOP control on the keyboard

INTENDED USE

The device must be used exclusively as a generator for the production of colloidal silver.

The silver generator is not a medical device, only colloidal silver can have this intended use.

UNINTENDED USE

No use other than the one described in the "DESCRIPTION" is intended use. It is also absolutely forbidden to:

- use the product with incorrect electrical power supply.
- use the product for applications other than those intended.
- make changes to the product.

The reuse of any unit, after decommissioning the product, releases the manufacturer from any responsibility arising from the use of the unit.



NOTE

THE MANUFACTURER CANNOT BE HELD LIABLE IN ANY WAY FOR ACCIDENTS OR DAMAGES DUE TO UNINTENDED USE OF THE PRODUCT. ANY UNINTENDED USE OF THE PRODUCT WILL VOID THE WARRANTY

Residual Risks

During the design stage, DLGSHOP carried out an in-depth risk analysis on the colloidal silver generator under review. This analysis pointed out risks that are unavoidable by their nature. Therefore, these risks were examined individually and instructions on how to avoid them were highlighted in this manual. Therefore, it is important that any operator or user before positioning, connecting, using and maintaining the colloidal silver generator reads this manual in advance.



NOTE

THE MANUFACTURER CANNOT BE HELD LIABLE IN ANY WAY FOR ACCIDENTS OR DAMAGES DUE TO UNINTENDED USE OF THE PRODUCT AS A RESULT OF NEGLIGENCE BY A USER.

In particular:

- It is strictly forbidden to make any changes to the product. Any damage to persons, animals or property resulting from the use of the colloidal silver generator, improperly modified by an unauthorized operator, releases the manufacturer from any liability.
- Carefully store this manual in a safe place as it is necessary for a correct and safe use of the product. Periodically check the status of the label installed on the product and replace it if it is damaged. (if necessary, contact the authorized service center)
- If the external structure of the colloidal silver generator should have edges or sharp edges as a result of an accidental impact, such as to make it hazardous, it is necessary to contact the authorized service center and follow their instructions.

Important:

- Do not wet the electrical connections with water or other liquids.
- The maintenance described in the manual must be carried out.
- Maintenance must be carried out according to the instructions specified in the manual.

OPERATIONS INVOLVING RISKS FOR THE OPERATOR AND THE USER:

During commissioning, comply with the general accident prevention regulations. In particular:

- If working on electrical parts, make sure that they are not under voltage.

Since the design stage, solutions were adopted to make the use of the product safe in all stages of use: transportation, adjustment, operation and maintenance. Despite this, not all risks for users and the environment could be removed, both for technological reasons (device reliability) and management reasons (excessive difficulties in removing them), consequently the existing residual risks are reported herein, e.g.: electrocution, etc..



Section 3

Unpacking Instructions Handling Positioning, Connection and Disconnection Use Figures



UNPACKING INSTRUCTIONS

The colloidal silver generator is supplied in a cardboard box. Inside the box you will find:

- The Silveraqua SV1 generator
- Two bars of 999.0% pure silver (about 50 mm wide, about 177 mm high and about 0.6 mm thick)
- A magnetic stirrer
- One transformer

HANDLING

Locations

It is recommended to take in consideration a few aspects before handling and using the colloidal silver generator. In particular, a number of conditions need to be checked:

- The position must be chosen in such a way that it cannot be affected by jets of steam, water or other liquids.
- The colloidal silver generator must be used away from liquid, solid, gaseous or powdery substances, which are flammable in contact with hot parts.
- It must be placed in ventilated rooms.
- The storage room temperature of the colloidal silver generator must be between 10°C and +40°C.
- The storage room temperature of the colloidal silver generator must be between 17°C and +30°C.
- Humidity conditions must be between 45% and 85%.

The colloidal silver generator can be used only indoors, respecting the above conditions.

Do not place the colloidal silver generator near: televisions, monitors, computers, mobile phones, magnetic tapes/disks, medical equipment/prostheses, etc.

Pacemaker wearers may not use this equipment without medical authorization. Do not place the switched-on colloidal silver generator in contact with other objects, as this may melt, burn and damage them.

Handling procedure

Due to its size and weight, the product can be moved manually without any difficulty.

POSITIONING, CONNECTION and DISCONNECTION

Preliminary checks

The electrical system to which the colloidal silver generator will be connected must be in compliance with the regulations in force and equipped with grounding system and an automatic circuit breaker.

All products are tested and tuned by the manufacturer before shipment and delivery to the client.

The product is designed, manufactured and tested to meet all specific regulations (see declaration of conformity), if properly connected.

If the connection, use and/or maintenance of the colloidal silver generator are not properly carried out, faults and safety issues may occur during operation. Improper connection and maintenance will void the warranty.





WARNING!

THE PRODUCT MAY ONLY BE OPERATED AFTER IT IS PROPERLY POSITIONED AND CONNECTED.

Before positioning, connecting and operating the colloidal silver generator, completely remove any protection against dust, moisture and any packaging material.

Check for damages

Make sure that the various parts of the colloidal silver generator are not physically damaged due to impacts, tears or abrasions.

Make sure in particular that:

- there are no scratches or dents, which are an indication of impacts during transport;
- Make sure that no water, humidity or condensation entered during transport. If necessary, wait about 30 minutes before performing any further operation.

The lighting system (natural and/or artificial) of the area where the device will be positioned and used shall ensure the following minimum values of illumination: **200 lux.**

Damage Reporting Procedure

If damage is found, stop the procedure in progress and report the nature of the damage to the customer service of the manufacturer.

Preparation for use



NOTE

THE MANUFACTURER CANNOT BE HELD LIABLE IN ANY CASE FOR ACCIDENTS OR DAMAGES DUE TO THE USE OF THE PRODUCT CONNECTED TO AN ELECTRICAL POWER SUPPLY NOT IN COMPLIANCE WITH THE LEGISLATION IN FORCE

- Insert the magnetic stirrer by fitting it in the special shaft placed under the SV1, in the center between the black clamps (FIGURE 1 on page 18
 IMPORTANT NOTE: when the stirrer is inserted, there must be 1 or 2 mm of space between the box and the stirrer, allowing the shaft to freely rotate (FIGURE 1A on page 18 Do not bend the stirrer when it is inserted in the shaft as this may cause irreparable damage to the motor.
- Unscrew the black clamps under the body of the SV1, position the two silver bars and tighten the nuts by hand.
 IMPORTANT NOTE: assemble the bars so that the distance between them is about 50 mm (FIGURE 2 on page 18).
- 3. Find a plastic/glass container with an opening between 110 mm and 160 mm and a minimum height of 190 mm and a maximum height of 230 mm (the containers are available in our shop <u>www.silveraqua.it</u>).



- Fill up the container with water (<u>Attention: the water used must be distilled water. It is possible to use</u> <u>lab analysis water or water for pharmaceutical use as long as its value is equal or lower than 1 PPM</u>) so that the bars are dipped into the water for a minimum of 140 mm and a maximum of 155 mm. (FIGURE 3 on page 19)
- Important Note: Do not dip the SV1 into the water as it will be damaged.
 Do not dip into the water the clamps that tighten the bars, since they are conductors and would prevent the generation of colloidal silver.
- 6. Insert the power supply plug into the generator socket located on the back. (FIGURE 4 on page 18)
- 7. Plug the power supply into an electrical outlet that matches the electrical technical specifications of the power supply. (PAGE 11 "TECHNICAL DATA")

USE

Issues

In case of any unforeseen and hazardous abnormal conditions while using the colloidal silver generator, it is recommended to follow this procedure:

- Disconnect the SV1 from the electrical power supply to which it is connected.
- Disconnect it from the electrical power sup by pulling out the plug from the electrical outlet.
- Immediately contact the manufacturer

In case of unexpected electromagnetic abnormal conditions after having powered or turned on the colloidal silver generator, such as for example the impossibility of communicating through the telephone or smartphone, it is recommended to follow this procedure:

- Disconnect it from the electrical power sup by pulling out the plug from the electrical outlet.
- Immediately contact technical support.

Procedures for use

WARNING!

When using the colloidal silver generator, it is necessary to wear the following personal protective equipment (PPE):

- Clothing:

it must comply with the basic safety requirements in force. Wear clothing with long sleeves.

- Gloves:

When working with parts that can reach high temperatures and parts under voltage, it is necessary to use EC marked gloves to be protected against all the risks just listed.

- Goggles:

to protect the eyes of an operator against projected material.









- 1 Close the generator circuit breaker placing its handle on the 1 position; the light on the display will turn on and the message "COLLOIDAL SILVER SV1 GENERATOR" will appear.
- 2 Press S3 to set the speed of the stirrer; (_____% for 1.5 liters containers and _____% for 5 liters containers) to increase the speed press P1, to decrease the speed press F2.
- 3 Press S4 until "COLLOIDAL SILVER SV1 GENERATOR" appears.
- 4 Press and hold START until you hear a loud audible signal, and the stirrer starts to run.

At this time, if the bars are dipped into the water as mentioned above, the display must show a voltage ranging from 36 to 38 volts and a current ranging from of 0.1 to 2.0 mA. These values are important because they indicate that the water is double-distilled.

If these data were different, it would mean that the water is not suitable for producing colloidal silver with the SV1. (*use lab analysis water or water for pharmaceutical use as long as its value is equal or lower than 1 PPM*)

From this moment on, if you followed the aforementioned procedure, the generator will start producing colloidal silver. During production the SV1 will automatically adjust the "Voltage" and "Current".

Once the production is completed, press Stop, place the handle of the circuit breaker, located on the back (FIGURE 4 on page 18), on the 0 position, then disconnect the generator from the power supply by pulling out the plug from the electrical outlet.

Remove the silver bars by unscrewing the black clamps located under the generator.

Pull out the stirrer following in reverse order the procedure used to insert it, do not bend the stirrer during this operation since the motor shaft would be irreparably damaged.

Production of 1.5 liters of colloidal silver

To obtain 12/16 PPM it will take from 2 to 3 hours, with minimum water temperature 18°C (production time will vary based on the water temperature)

As soon as the display shows "Current" reaches 7MA, it will be necessary to check the silver particles produced using a PPM meter ("PPM" parts per million).

For a correct measurement of the PPM, we recommend the Hanna PWT (Pure Water Tester) model HI98308 to be purchased along with the da buffer calibration HI7033.

IMPORTANT: Every time that the SV1 is removed from the water, measure the PPM, place the switch located on the back (FIG. 4 page 19) from 1 to 0, disconnect it from the socket by unplugging it from the wall, and clean the silver bars with absorbent paper since sediments that remained attached could end up in the water.

IMPORTANT: do not produce colloidal silver above 35 ppm because the silver particles stick together, the production process must be completed without being interrupted (except for measurement).

Production of 5 liters of colloidal silver

To obtain 12/16 PPM it will take from 5 to 9 hours, with minimum water temperature 18°C (production time will vary based on the water temperature) while it will take approximately 2 or 3 hours more to produce 20 PPM.

As soon as the display shows "Current" reaches 7MA, it will be necessary to check the silver particles produced using a PPM meter ("PPM" parts per million).



For a correct measurement of the PPM, we recommend the Hanna PWT (Pure Water Tester) model HI98308 to be purchased along with the da buffer calibration HI7033.

IMPORTANT: Every time that the SV1 is removed from the water, measure the PPM, place the switch located on the back (FIG. 4 page 19) from 1 to 0, disconnect it from the socket by unplugging it from the wall, and clean the silver bars with absorbent paper since sediments that remained attached could end up in the water.

IMPORTANT: do not produce colloidal silver above 35 ppm because the silver particles stick together, the production process must be completed without being interrupted (except for measurement).

Recommendations after production.

After the production, we recommend leaving the colloidal silver resting for at least 24/48 hours, (after said period, it is possible that a few particles end up at the bottom of the container) then transfer the colloidal silver in glass bottles discarding the particles deposited on the bottom of the container.

It is recommended to store the finished product in dark-glass containers, in a dark place away from heat sources and electro-magnetic fields.

Information

After a few days, the PPM will stabilize, and they will be reduced by a few units.

It was noted that colloidal silver production exceeding 15/20 PPM are more sensitive to light; therefore, they may have an amber color.

The magnetic stirrer provided, since it is white, after use may change color (see periodic maintenance instructions on page 22)















Section 4

Maintenance Decommissioning Disposal



MAINTENANCE

Safety

WARNING!

When using the colloidal silver generator, it is necessary to wear the following personal protective equipment (PPE):

- Clothing:

it must comply with the basic safety requirements in force.

- Gloves:

When working with parts that can reach high temperatures and parts under voltage, it is necessary to use EC marked gloves to be protected against all the risks just listed.

- Goggles:

to protect the eyes of an operator against projected material.



Maintenance operations must be performed by personnel who previously read the manual.

Any type of cleaning or physical maintenance operation must always be carried out with the product disconnected from the electrical power supply. When carrying out such operations, strictly follow the instructions contained in this manual.

The lighting system (natural and/or artificial) of the area in which maintenance operations are carried out must ensure the following minimum values of illumination: **200 lux.**



HAZARD

DISCONNECT THE PRODUCT FROM ITS ELECTRICAL POWER SUPPLY BEFORE CARRYING OUT ANY CLEANING OR PHYSICAL MAINTENANCE OPERATIONS.



For any maintenance and cleaning operation, in addition to the instructions contained in this manual, the general safety regulations and the general labor safety regulations in force in the location where these operations are carried out, must be complied with.



WARNING!

ACCESS TO THE INTERNAL PARTS OF THE PRODUCT IS FORBIDDEN. THERE ARE NO MAINTENANCE OPERATIONS REQUIRING THE DISASSEMBLY OF THE COLLOIDAL SILVER GENERATOR. MAINTENANCE OF THE INTERNAL PARTS MAY ONLY BE CARRIED OUT BY THE MANUFACTURER OR BY A TECHNICIAN APPOINTED AND AUTHORIZED BY IT.



Periodic Maintenance

Periodically, the colloidal silver generator must be cleaned from any accumulation of dust or dirt that may have formed on its external surface. If necessary, use compressed air to remove dust. It is also possible to use a damp, non-abrasive cloth free of alcohol or aggressive solvents. DO NOT use abrasive sponges, chemical solvents or detergents. When cleaning, do not allow water to reach any internal electrical parts.

After each production of colloidal silver, remove and clean the silver bars with an abrasive sponge NOT in steel, using only running water. Do not use chemical solvents or detergents.

After each colloidal silver production, disassemble and clean the magnetic stirrer using only running water (DO NOT use abrasive sponges, chemical solvents and detergents).

Extraordinary maintenance

Extraordinary maintenance is required in the event of faults or breakage due to unforeseeable events or inappropriate use of the product.

The situations that can occur from time to time are completely unpredictable and therefore it is not possible to describe appropriate measures to be taken.

If necessary, contact the manufacturer technical support to receive the appropriate instructions.

All mechanical and electrical, ordinary or extraordinary interventions, must be carried out by specialized and authorized personnel.

Fuse Replacement

The Silveraqua SV1 generator is equipped with a fuse located on the back of the generator next to the circuit breaker (FIGURE 4 on page 18 "FUSE") that protects it against current overloads; if the generator does not turn on, replace the fuse as follows:

- Disconnect the generator from the electrical power supply by pulling out the plug from the electrical outlet.
- Unscrew the fuse holder cap rotating it counterclockwise, remove the fuse and replace it with another one with the same features specified on the "Technical data" on page 11.

If the new fuse blows or the generator fails to operate after fuse replacement, please contact the manufacturer.

DECOMMISSIONING

Product deactivation

The colloidal silver generator is manufactured according to criteria of sturdiness, durability and flexibility that allow it to be used for many years. Once the end of its technical and operational life has been reached, it must be decommissioned so as to stop its use for the purposes for which it was designed and manufactured, but making it possible to re-use the raw materials that constitute it.



NOTE

THE MANUFACTURER DOES NOT ASSUME ANY *LIABILITY* FOR DAMAGES TO PERSONS OR PROPERTIES ARISING FROM THE RE-USE OF INDIVIDUAL PARTS *OF THE COLLOIDAL SILVER GENERATOR FOR OPERATIONS OR ASSEMBLED IN CONFIGURATIONS DIFFFERENT FROM THE ORIGINAL ONES.* THE MANUFACTURER REFUSES ANY IMPLICIT OR EXPLICIT RECOGNITION OF *SUITABILITY FOR SPECIFIC PURPOSES OF PARTS OF THE PRODUCT THAT WERE REUSED AFTER ITS FINAL DEACTIVATION IN VIEW OF ITS DISPOSAL.*

Disposal

The possibility of reusing certain parts of the product is subjected to the full responsibility of the user.

The label displays the symbol indicated in Legislative Decree No. 49 dated March 14, 2014, which implements the EU Directive 2012/19, indicating the need to dispose of the product in separate waste, specifically in electrical and electronic waste.



NOTE



THE MANUFACTURERIS NOT LIABLE IN ANY WAY FOR DAMAGES CAUSED BY THE PRODUCT, IF IT IS NOT USED IN THE INTEGRAL VERSION AND FOR USES AND METHODS OF USE SPECIFIED IN THIS MANUAL.

THE MANUFACTURER IS NOT LIABLE IN ANY WAY FOR ANY DAMAGES TO PERSONS OR PROPERTIES ARISING FROM THE RECOVERY OF PARTS OF THE PRODUCT USED AFTER ITS DISPOSAL.