Modulator Micro-Nebulizer 99MB

User's Manual

99 Technologies S.A.
Via al Chioso 8
6900 LUGANO
Switzerland

INTRODUCTION

GENERAL DESCRIPTION

The Modulator Micro-Nebulizer 99MB, used in conjunction with the specific solutions of the 99's series, is an innovative disinfection and hygienization system which allows to effectively decontaminate surfaces and environments, thus guaranteeing the disinfection and the hygiene of those areas where the control of the microbial proliferation is needed.

The Modulator Micro-Nebulizer 99MB features a stainless steel structure, two anti-static rear wheels, a telescopic handle and a user interface with keys and display. It is a compact, light and easy to use system and no specialized staff is required to operate it. It works at room temperature avoiding corrosion risks. It allows to sanitize even wide environments using low dosages of solution yet with high efficacy. The system ensures constant disinfection with repeatable results impossible to achieve with manual sanitization.

The system is not intended to replace the cleaning cycle, but as a complement to it, to substitute with an efficient and repetitive mode, the phase of disinfection. This is done in order to keep the low microbial level required in the environments treated.

THE MECHANISM OF ACTION

The 99 solutions, micro-nebulized in particles inferior to one micron, are aerosolized uniformly in the air and in the environment, reaching even the hardest to find and hardest to reach surfaces, which are difficult to be decontaminated with other systems.

Thanks to the strong oxidation power of the 99 solutions, all the organic substances, especially the micro-organisms, with which the micro-nebulized solution comes into contact, are attacked and destroyed.

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1. GENERAL SAFETY RULES

1. The Modulator Micro-Nebulizer 99MB device must be installed and used according to the information included in the accompanying documents.

2. When opening the package, check the integrity of the Modulator Micro-Nebulizer 99MB, paying particular attention to the presence of any damages on its plastic-made components as these superficial damages might be in direct contact with the internal parts of the device while it is in function. In case of damages, do not plug the device in. Check for possible damages before each use.

3. Before plugging in the Modulator Micro-Nebulizer 99MB, always ensure that the electrical data written on the label as well as the type of plug used correspond to the type of electric system intended for the plug-in.

4. Respect the general security rules, and in particular:

   - Keep the Modulator Micro-Nebulizer 99MB out of the reach of children.
   - Pay maximum attention not to spill the liquid of the disinfectant solution on the Modulator Micro-Nebulizer 99MB.
   - In case of accidental contact of the disinfectant solution with the Modulator Micro-Nebulizer 99MB, dry and clean the device with a slightly damp cloth.
   - Do not wet the Modulator Micro-Nebulizer 99MB. Do not use the device if liquid has been split on it.

5. Do not expose the Modulator Micro-Nebulizer 99MB at extreme high temperatures, dust or direct sunlight.

6. Keep the power cable out of white-hot surfaces.

7. Always handle the Modulator Micro-Nebulizer 99MB with care.

8. In case of malfunction, do not try to repair the Modulator Micro-Nebulizer 99MB. Contact the nearest Distributor or Retailer.

9. Any tampering and alteration of the Modulator Micro-Nebulizer 99MB and its components, releases the manufacturer from any responsibility for damages to the product, objects, persons and/or animals.

10. Never use the Modulator Micro-Nebulizer 99MB if the power cable or the plug are damaged. In case of malfunction: if the product has been damaged, has fallen or is wet, return the Modulator Micro-Nebulizer 99MB to the nearest Distributor for checking and repair.

11. To disconnect the Modulator Micro-Nebulizer 99MB from the power cable, unplug the power cable.

12. The Modulator Micro-Nebulizer 99MB must be used exclusively for the intended purposes of its fabrication. Every usage different from the ones intended for its fabrication are to be considered improper uses, and therefore potentially dangerous. If the above cases apply, the Manufacturer and the Supplier cannot be hold responsible for the damages caused to the product, objects, persons and/or animals due to an improper erroneous use of the device.

13. The Modulator Micro-Nebulizer 99MB must be used only by authorized staff trained on how to use the device.

14. The disposal of the Modulator Micro-Nebulizer 99MB and its components must be subject to the current legislations of the country where the device is used.

15. Failure to follow the above and below guidelines here reported, could jeopardize the safety of the Modulator Micro-Nebulizer 99MB.

	TO AVOID RISKS OF ELECTRIC SHOCK, THIS DEVICE MUST BE CONNECTED EXCLUSIVELY TO NET OF ELECTRICITY SUPPLY WITH EARTHING PROTECTION SYSTEMS DO NOT MODIFY OR ALTER THIS DEVICE NEVER DISMANTLE THE DEVICE FOR ANY INTERVENTION, CONTACT THE NEAREST DISTRIBUTOR

	BEFORE USING THE DEVICE PLEASE READ THE USER'S MANUAL CAREFULLY THE DEVICE MUST BE IN USE WHEN NO PEOPLE ARE PRESENT IN THE ENVIRONMENT TO BE DISINFECTED KEEP THE DEVICE OUT OF REACH OF CHILDREN THE DEVICE MUST BE USED EXCLUSIVELY IN ACCORDANCE WITH THE PROTOCOL OF USE AGREED WITH THE CLIENT

	Instructions on a proper disposal of the product in accordance to the European Directive 2002/96/EC *(In accordance to art. 13 of the Legislative Decree of the 25th July 2005, n.151 "Implementation of the Directives 2002/95/CE, 2002/96/CE and 2003/108/CE, relative to the reduction of the use of dangerous substances in the electric and electronic devices, and also to the waste disposal")* The symbol of the crossed waste container reported on the device and packaging, indicates that the product, at the end of its useful life, must be disposed separately from other waste. Hence, the user will have to place the device at the end of its useful life, in the waste sorting center for electrical and electronic devices, or resubmit it to the supplier when purchasing a new similar device. A proper collection of separate waste, prior to the recycling of the disused device, and prior to environmentally sound disposal, contributes to eliminate negative effects on health and on the environment while favoring the reuse and recycling of the materials of which the device is made. The illegal waste disposal of the product presupposes the application of the administrative sanctions as provided by the law currently in place.

2. TECHNICAL SPECIFICATIONS

Power Supply	230V~- 50Hz 1100W
Dimensions	42(L) x 25(W) x 50(H) cm
Weight (empty)	10,5Kg
Voltage (max)	4,5 A
Turbine rotation speed	22.000 rpm
Bottle capacity	1 Liter
Droplets size	< 1µm
Maximum treatable volume	1000 m³
Mean application time*	~ 3,9 s/m³
Mean 99 solution consumption	~ 1000 ml/h
Fuses	6,3 A T 250V
Operating temperature	+5°C ÷ + 40°C
Storage temperature	0°C ÷ + 40°C
Percentage of environmental relative humidity	20 ÷ 80%
Report software interface	USB 2.0 - 3.0 compatible
LATEX FREE	

* These data concern the disinfection treatment of 1ml/m³

3. CONFORMITY

DIRECTIVE 2006/95/CE	DIRECTIVE EMC 2004/108/CE

4. SYMBOLS

4.1 SYMBOLS ADOPTED ON THE DEVICE

CE	Trade Mark in accordance with the applicable European Directives
	Read carefully the User's Manual
	The product at the end of its useful life must be disposed separately from other waste

4.2 SYMBOLS ADOPTED ON THE DISPLAY

Mc	Cubic meters
B	Insufficient disinfectant solution for the volume set. Change the bottle with a full one and carry out the reset operation.
F	Substitute filter
M	Engine's maintenance
	Level of disinfectant solution in the bottle

5. INSTRUCTIONS FOR USE

5.1 NECESSARY PREREQUISITES FOR THE PREPARATION OF THE TREATMENT

- The environment to be treated must not have openings that cannot be closed during the treatment.
- In case of open or communicating spaces, verify if it is possible to isolate the area under treatment with removable covers.
- The cleaning phase must be executed before the treatment.
- Food or drinks, that are not wrapped or in sealed containers, must not be left in the environment when performing the treatment.
- All the surfaces must be dry.
- The ventilation and aeration systems must be switched off.
- In case the air conditioning and/or system of ventilation could not be switched off, all the openings for air intake must be covered.
- In particular situations whereby it will not be possible to switch off the ventilation system or cover the air intakes, please contact the Service Centre through the nearest Local Distributor.
- No one must be present in the environment while the treatment is ongoing. If this is not the case, do not proceed with the subsequent phases before everyone has evacuated the premises.
- Ensure that all the electrical and electronic devices are switched off.

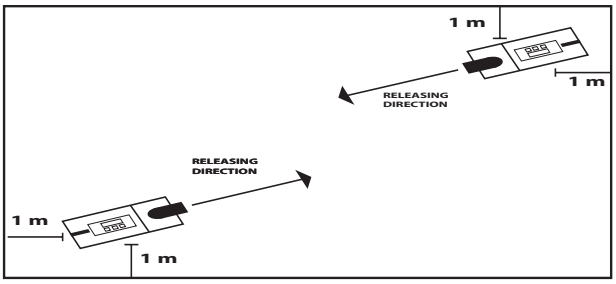
5.2 PARAMETERS' DEFINITION FOR THE TREATMENT

- Calculation to determine the volume to disinfect (m^3) = Depth (m) x Width (m) x Height (m).
- Apply to the volume obtained a multiplying corrective factor defined in the previously agreed protocol, which is function of the amount of surfaces present in the environment and the average level of contamination.
- The result obtained, which takes into account the corrective adjustments mentioned above, will need to be entered in the Modulator Micro-Nebulizer 99MB before starting the treatment.

5.3 POSITIONING OF THE MODULATOR MICRO-NEBULIZER 99MB

- The Modulator Micro-Nebulizer 99MB together with the bottle duly inserted, must be placed on the ground in a corner of the room with the nozzle facing the center of the room.
- Check that the floor is stable and not inclined.
- In case the Modulator Micro-Nebulizer 99MB needs to be placed on a shelf, ensure that it is stable, not inclined and that its dimensions are sufficient to avoid possible danger of falling.
- Keep at least 1 meter of distance between every side of the Modulator Micro-Nebulizer 99MB and the walls/decors of the treated space in order to favor air intake through the Modulator Micro-Nebulizer's lateral grids.
- Check that the lateral grids of the device are not covered.
- To grant the optimal diffusion of the released solution, be sure that no obstacles are present in front of the Modulator Micro-Nebulizer 99MB for a range of at least two meters.

If more than one Modulator Micro-Nebulizer 99MB is used, arrange them in opposing diagonal position, as shown below:



5.4 PRE-TREATMENT OPERATIONS

- Tighten securely a full bottle of disinfectant solution to the device. Make sure that the bottle is firmely tightened.
- Connect the power cable to the electric plug.
- Press the switcher of the device to turn it on.

5.5 SETTING OF THE TREATMENT

The Modulator Micro-Nebulizer 99MB can be programmed for an immediate start or for a delayed start. The points 1 to 6 below, describe the procedures for an immediate start whereas the points 7 to 10 refer to a delayed start.

1. Press the **START** Key.

2. When fastening a full bottle to the device, and always after having substituted the bottle, press the **–** key for 5 to 10 seconds (Reset operation). The symbol of a blinking bottle will appear on the right side of the display. Keep the **–** key pressed until the symbol of the bottle stops blinking, indicating that the bottle reset has been fully accomplished.

3. Set the codified number (from 00 to 99) identifying the environment to be treated on the display by repetitively pressing the **+** and **–** keys. This number will be memorized in the software report in oder to identify the treatments carried out in that environment. In case no specific identification number is set for the treatment of the environments, set the number on a pre-set standard value (for example 00).

4. Press the **START** Key.

5. On the display the symbol LVL appears indicating the liquid level in the bottle (full bottle, empty bottle). Set with keys **+** and **–** the volume to be treated (ex. 180 m^3) on the basis of the specifically agreed disinfection protocol. The Modulator Micro-Nebulizer 99MB will automatically select, and visualize on the display, the amount of release time corresponding to the defined cubature.

6. Press the **START** key. The display will show the time left for leaving the environment to be disinfected before the treatment starts (15 seconds). At the same time, an acoustic signal lasting for 15 seconds will remind to leave the place. Should the need arise to interrupt the start of the treatment, press the **START** key again. To reactivate it, press again the **START** key.

7. In case you would like to schedule the begin of the treatment at a later time/date than the one displayed when you set up the room number (p.3), press the key **+** for 5-10 seconds. The message START/SET TIME will appear on the display along with the indication of the current date and hour in the format DD/MM/YY and HH:MM. Move with the keys **+** and **–** the blinking cursor on the different elements to modify. Press simultaneously the keys **+** and **–** in correspondence to the element to be changed. The cursor will stop blinking and will indicate with the symbol _ the element to be modified. With the keys **+** and **–** set the desired number and confirm it by pressing simultaneously the keys **+** and **–** . Proceed in the same way, until having programmed the desired date and time for starting the treatment.

8. Press the **START** Key.

9. The symbol LVL appears indicating the liquid level in the bottle. When the bottle flashes, it indicates that a delayed start has been scheduled. Set with keys **+** and **–** the cubature of the environment to be treated (ex. 180 m^3) with reference to the agreed disinfection protocol. The Modulator Micro-Nebulizer 99MB will select and visualize on the display the duration of

disinfectant diffusion suitable for the set cubature.

10. Press the **START** Key. On the upper part of the display the set time and date will appear, indicating that the system is programmed for a delayed start. In case you would like to interrupt the delayed start procedure, press the **START** key again. On top of the display, the blinking LVL symbol ▮▮▮▮▮ will appear. In order to resume the procedure of the delayed start procedure press the **START** key again.

11. To cancel a set treatment, turn the Modulator Micro-Nebulizer 99MB off.

N.B. After having started the treatment with immediate or delayed start, leave the environment and close the door, indicating that in this room a treatment is ongoing or programmed.

5.6 END OF TREATMENT

a. After 15 seconds, a fast blinking green light warns that the micro-nebulization of the disinfectant solution is starting.

b. Once the time needed for the micro-nebulization is ended, the device stops automatically and a slow blinking green light appears.

c. After the waiting time defined in the agreed protocol has gone by, the authorized staff can enter the place as long as equipped with mask and glasses, according to the law. They have to ventilate the place by opening doors or windows or activating the ventilation system, preparing in this way the environment for its intended use, respecting the residue levels of hydrogen peroxide defined as acceptable by the local regulations.

d. On the display appears “PRESS KEY”.

e. After having pressed any of the three keys, the display indicated the number of the room where the treatment has been carried out and is ready to program another treatment.

f. Press the switcher to switch the Modulator Micro-Nebulizer 99MB off.

g. Remove the device and, once disconnected, place it in another environment that needs to be treated. Store the Modulator Micro-Nebulizer 99MB in a monitored environment out of reach of non-authorized people, if the device no longer has to be used.

N.B.: In case the quantity of disinfectant solution remaining in the bottle is not sufficient to fully execute the disinfection for the amount of cubic meters inserted, the Modulator Micro-Nebulizer 99MB device will not start functioning and a symbol B (Bottle) will appear on the display. If this is the case, in order to perform the micro-nebulization, substitute the bottle with another one, and redo the Reset operation.

N.B.: If the user has wrongly set a cubature superior to the one defined in the approved protocol, wait at least 180 minutes before reusing the environment in order to ventilate it or check the concentration of hydrogen peroxide using short term detector tubes in accordance to the norm EN 1231.

After the traditional cleaning phase as well as the treatment with the system 99MS, if the timing of contact and reuse of the environment have been respected in accordance with the defined and approved protocol, the environment is apt for its intended use.

5.7 DATE AND TIME SETTING

The time and date of the Modulator Micro-Nebulizer 99MB are pre-set by the factory according to the country of destination. To verify the time and date set, or to modify them, for example in case of the legal or solar time, proceed as follows.

When the device is switched on, press the **START** key. The selecting menu with the number of the environment to be treated will pop up.

Press the keys **+** and **–** for 5 to 10 seconds. On the display will appear the message START/SET TIME as well as the indication of the current time and date with format DD/MM/YY HH:MM.

Move the blinking cursor on the elements to modify. Press simultaneously **+** and **-** . The cursor will stop blinking and will indicate with the **_** symbol the element to be modified. With the keys **+** and **–** set the wanted value and confirm by pressing simultaneously the keys **+** and **–**.

Proceed similarly until having completely updated the time and date. To memorize the modified time and date press simultaneously the keys START and **+**. The digits of time and date modified will be blinking again for few seconds to confirm the updated settings.

It is also possible to update the time and date using the report software by connecting the Modulator to the computer via USB and proceeding as described in chapter 6.

	USE EXCLUSIVELY WITH DISINFECTANT SOLUTIONS OF THE 99 SERIES THE DISINFECTANT SOLUTION MUST BE HANDLED WITH CARE (see instructions on the product's label) DO NOT PLACE THE DEVICE IN IMMEDIATE PROXIMITY TO WALLS OR WITH THE SPRAY NOZZLE POINTED TOWARDS THOSE LEAVE THE ENVIRONMENT AND ENSURE THAT NOBODY AND/OR NO FOOD WITHOUT SEALED PACKAGING WILL BE PRESENT DURING THE TREATMENT DO NOT USE THE DEVICE IN PRESENCE OF PAINT AND FILMS WITH IODIUM EXECUTE A RESET OPERATION BEFORE FASTENING THE 99 DISINFECTANT SOLUTION (ONE LITER BOTTLE)

6. REPORT SOFTWARE DESCRIPTION AND FUNCTIONS

The report software 99T_SR is saved on a USB key supplied with the manual of the Modulator Micro-Nebulizer 99MB.

After having inserted the USB key in the appropriate PC slot (the 2.0 USB key is 3.0 compatible), click on the file 99T_SR.exe.

When proceeding with the installation, it is possible that the operating system of the PC will generate a warning that invites to authorize the continuation of the installing procedure. The 99T_SR is a software created to manage automatically the specific functions for a proper usage of the 99MS system; therefore its functioning is not commonly known by producers of operating systems. To complete the correct installation of the software, it is necessary to accept the request of continuation.
With the aim of activating all functions of the 99T_SR software it is necessary to connect the PC to the Modulator Micro-Nebulizer 99MB. In case the PC and the Modulator Micro-Nebulizer 99MB are not connected, some functions of the software will not be activated.

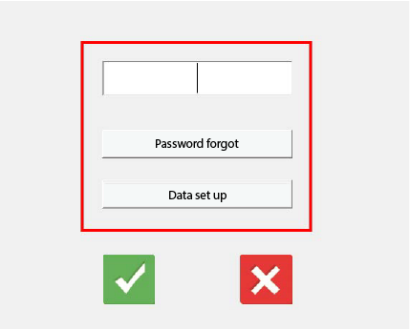
Once the report software has been installed and started, the starting window will appear on the PC screen.

Click on the symbol of the world, at the bottom right side corner of the starting window, to choose the language. It will be saved

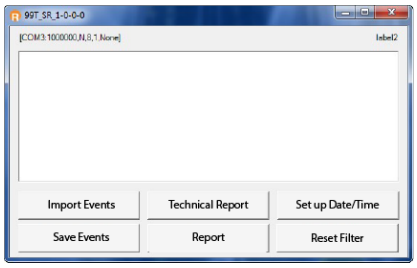
as the default language.

Click on the **USER** button in order to access all of the software's functionalities reserved to the user.

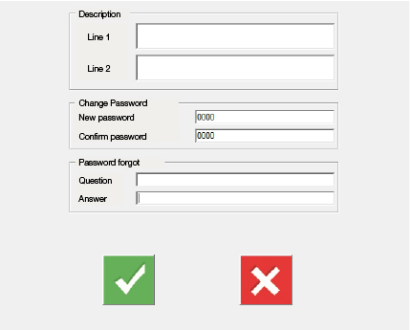
Once you click the **USER** button, a window requesting for a password will appear.



The default password is 0000. By entering it, another window appears. The window permits to manage the production of treatment reports and the interaction with the Modulator Micro-Nebulizer 99MB as described in the instructions relative to the creation of reports (see below).



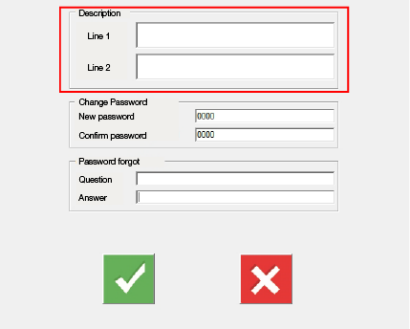
By clicking on **Data Setting**, after having inserted the correct password, you will access to the data setting window, illustrated below.



If you forget the password previously set, click on the section **Forgotten Password**. This will lead you to another window where, in the text bar, you can insert an answer to a verification question pre-set by the user.

Once the correct answer is inserted, the software provides again the default password 0000. After that you can proceed to modify it with a new password.

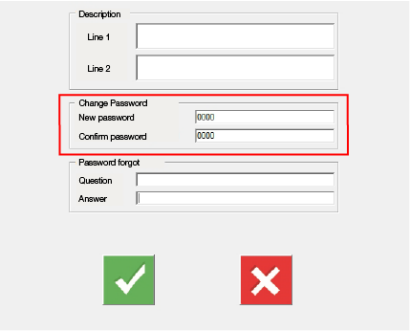
By clicking on **Data Setting** after having inserted the correct password, a window with data entering bars will appear.



In the upper part of the screen you will see two text bars in which you can enter information to personalize your report table. For instance, you can enter the name of the institution and/or the name of the department in which the system 99MS is used. You can insert 60 characters at maximum.
The changes need to be confirmed by clicking on the **check** green button. The system requires to restart the application in order to implement the carried changes.

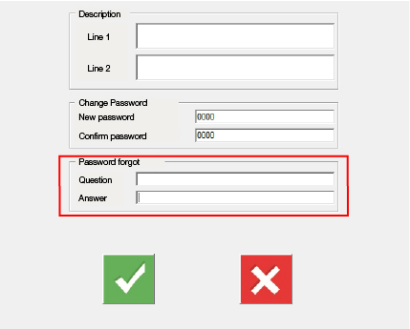
It is possible to change the start-up default password or the current password, by entering a new one in the appropriate text bars.

The changes need to be confirmed by clicking on the green button.



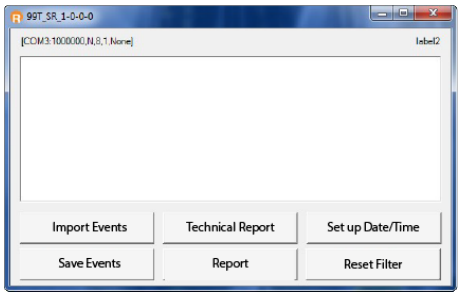
It is possible to set up a verification question in case you forget the modified password.

The question for verification appears on the screen when clicking on **Forgotten Password.**

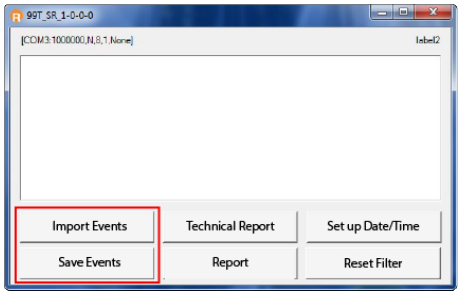


After having inserted the correct password, a window allowing the management of treatments reports' production and the interaction with the Modulator Micro-Nebulizer 99MB appears.
In case the Modulator Micro-Nebulizer 99MB is not connected to the appropriate USB cable, the system will inform about this with the following warning "Modulator Micro-Nebulizer 99MB not connected".

By clicking on OK, the system will show a window that allows the management of the report production and the interaction with the Modulator Micro-Nebulizer 99MB.



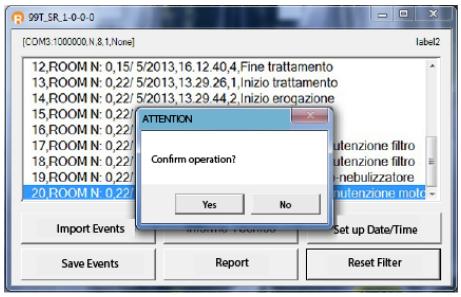
The window has six buttons corresponding to the same commands and functions of the software.



Import Events

By clicking on **Import Events** it is possible to access to the data stored by the Modulator Micro-Nebulizer 99MB and download these data on the PC.

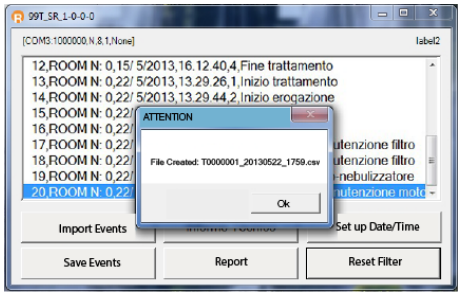
By confirming the operation, the program transfers the data from the memory of the Modulator Micro-Nebulizer 99MB to the PC. The memory of the device can store the latest 1000 events



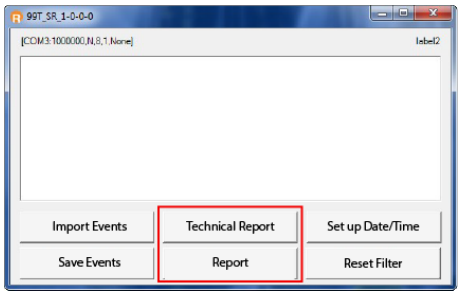
Save Events

By clicking on **Save Events** it is possible to create a file that can be saved on your PC.

By confirming the operation, the software generates a .csv file. Its codification automatically registers the serial number of the Modulator Micro-Nebulizer 99MB, the time and date of the saving.



The software allows the user to create, by querying on a .csv saved, two types of report.



Technical Report

By clicking on the button **Technical Report** and confirming the operation, the system generates a table on a PDF file, listing the following events, according to the room number, date and time of treatment:

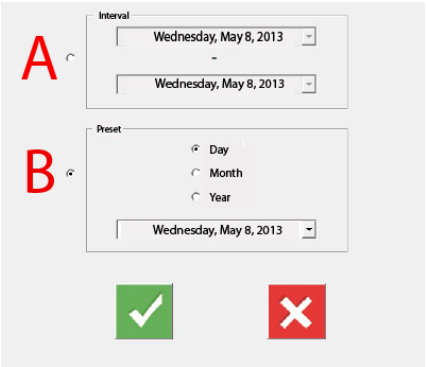
- Start of the treatment
- Start of the releasing
- End of the releasing
- End of treatment
- Execution interrupted
- Reset bottle
- Reset filter maintenance
- Reset engine maintenance
- Reset work data

Report

By clicking on **Report** and confirming the operation, a PDF file is created; this contains only the fully accomplished treatments, the indication of the environment number, the date, time of the start and the set cubic meters.

With the aim of creating the Technical Report as well as the Report, you need to decide a time frame for your report.

In regard to this, the software has an interface of data filtration that is activated after having clicked on **Technical Report** or **Report**, after having selected the file to query and clicked on “Open”.



The filter permits to define a time frame placed between two precise dates (by selecting A); or to make a query on the file so that the data reported will be of the current day, month or year (by selecting B).

Once the operation is confirmed by clicking on the green button with a thick, the report will be shown in a PDF format.

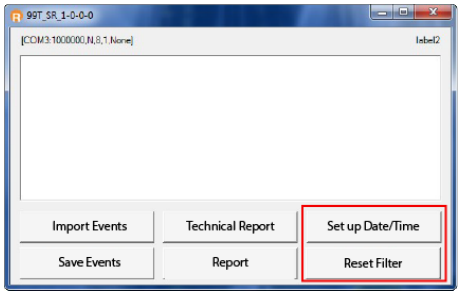
Report of the treatments			
Hospital			
Department			
Report of 10/17/2014 12:40:03 Micro-Nebulizer XXXXXX			
Room	**Date**	**Time**	**Set volume m³**
1	10/15/2014	16:07:51	35
2	10/16/2014	15:32:45	10
3	10/17/2014	15:54:26	25
4	10/18/2014	16:03:39	45

Set the Time/Date

After having confirmed the time and date, those of the Modulator Micro-Nebulizer 99MB correspond to the ones on the PC.

Reset Filter

In case of substitution of the filter, click on **Reset Filter** and, after its confirmation, the time counter of the working hours with the new filter will get activated.



7. CLEANING AND MAINTENANCE OF THE PRODUCT

7.1 CLEANING AND ORDINARY MAINTENANCE

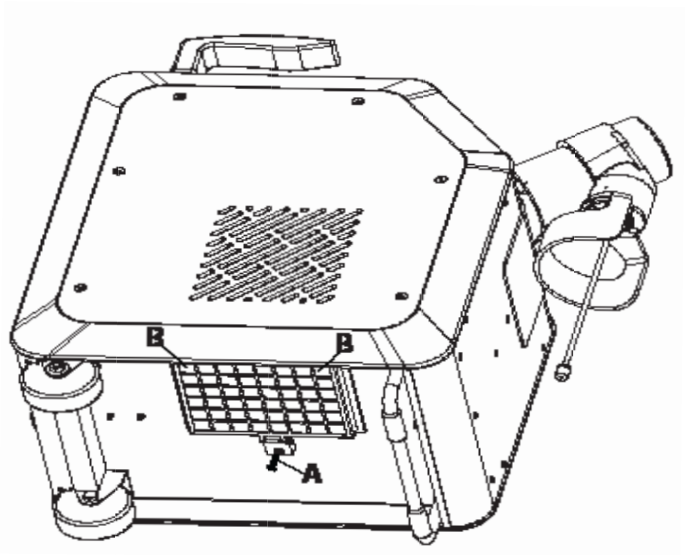
The Modulator Micro-Nebulizer 99MB does not require maintenance or substitution of its pieces except for the filter and fuses. An auto-cleaning of the aspiration duct and the nozzle's outlet is performed during the micro-nebulization.

The substitution of components that are not fuses or the filter, can lead to potential dangerous situations. Therefore any other substitution must be implemented by an authorized Service Centre.

Some simple checks need, however, to be implemented to verify the proper working and security of the device before each use. For this purpose, extract the Modulator Micro-Nebulizer 99MB from the box and always check that there are no visible damages; check also the integrity of the power cable and, when changing the bottle, ensure that the small nozzle tube used to collect the solution is not damaged either. Hence, connect the cable to the electric plug and switch it on.

To clean the Modulator Micro-Nebulizer 99MB: use a slightly damp cloth. Do not use abrasive cloths and/or sharp surfaces that could damage the exterior of the device.

Check periodically that the filter is not obstructed with dust. After the micro-nebulization of 250.000 m^3 the letter F will appear on the display: the filter must be substituted following the instructions of the drawing below.



Lay the device on one side, as illustrated above, after having removed the bottle with the solution. Unscrew screw "A" as pointed by the arrow, and extract the filter "B" from the guides.
To insert the new filter do the reverse: insert the filter in the screw plug "B" and turn screw "A".

To carry out the secure substitution of the fuses disconnect the cable from the plug.

Press simultaneously towards their inner the blocking wings of the fuses' drawer, situated between the plug and the switch. Pull out the fuses' drawer with caution.

Remove the fuse and check that it can no longer be used. Substitute the fuse being sure that it satisfies all the technical requirements set in the present user's manual. Place the drawer in its correct position, pushing it inside and making a slight pressure in order to block the two blocking wings in their correct position.

	ALL THE CLEANING AND MAINTENANCE TASKS MUST BE CARRIED OUT AFTER THE DEVICE HAS BEEN TURNED OFF AND THE ELECTRIC SYSTEM HAS BEEN DISCONNECTED.

	DO NOT DIP THE MODULATOR MICRO-NEBULIZER 99MB IN WATER AND DO NOT WASH IT WITH HOSE-DIRECTED WATER

7.2 EXTRAORDINARY MAINTENANCE

After having released 900.000 m^3, the engine of the Modulator Micro-Nebulizer 99MB requires maintenance that must be executed in an authorized Service Centre.

The appearance of the letter **M** on the display indicates need for maintenance. The Modulator Micro-Nebulizer 99MB will allow other 10 micro-nebulizations before blocking the device.
Contact the local supplier promptly to implement the required maintenance.

8. DIAGNOSTICS

PROBLEM	SOLUTION
The Modulator Micro-Nebulizer 99MB cannot be turned on.	Check the correct connection of the plug to the electric power supply.
The Modulator Micro-Nebulizer 99MB cannot be turned on.	Check the fuses and if needed, substitute them.
The Modulator Micro-Nebulizer 99MB does not execute the micro-nebulization and the letter **B** appears on the display	Insufficient liquid to carry out the requested micro-nebulization. Substitute the empty bottle of the disinfectant solution with a full bottle and carry out the Reset Operation before proceeding.
Letter **F** on the display	Substitution of the filter. Substitute the filter as explained in the Cleaning and Ordinary Maintenance.
Letter **M** on the display	Maintenance of Engine needed. Contact the nearest Distributor.
The Modulator Micro-Nebulizer 99MB does not execute the micro-nebulization and on the display appears the letter **M**	Maintenance of Engine needed. Contact the nearest Distributor.
No continuous green light on when re-entering the room at the end of the treatment.	The micro-nebulization might not have been properly executed, due to the blockage of the device or lack of electricity. Air the environment and restart again the micro-nebulization.

9. STORAGE

The Modulator Micro-Nebulizer 99MB must be preserved in a dry cool place, away from direct sunlight and heat sources.

Keep the original package, devised expressly to protect the Modulator Micro-Nebulizer 99MB during its transport. You might need it in case it has to be sent to a Service Centre.

10. WARRANTY

The warranty of the product is of 12 months as from the purchase date. During the validity of the warranty period, the repairing and/or substitution of the defected parts will be executed with no charge in case of ascertained manufacturing causes. The components subject to wear are excluded from the guarantee. Moreover, the substitutions or possible repairs performed during the guarantee period, do not have the effect of prolonging the duration of the guarantee itself.

	The guarantee expires automatically if the Modulator Micro-Nebulizer 99MB is not exclusively used with the 99 disinfectant solution. We do not respond and we do not know the effects of using other disinfectants. The guarantee does not respond in case of: dismantling or repairing carried out by unauthorized staff or executed with replacement parts unapproved by 99 Technology S.A.. The guarantee does not include: break or failure caused by negligence, impacts, improper use of the device and errors of installation. The guarantee expires if the serial number and/or the production batch have been exported, canceled or altered.

The information contained in this User's Manual are subject to change without notice.

99 Technologies S.A. cannot, in any case, be hold responsible for specific, direct, indirect and consequential damages derived from an improper use or inability to use the 99MS system as explained in the User's Manual. The same applies if a disinfectant solution different from the 99 solutions is used, or if modifications, repairs and/or other technical interventions are implemented by non authorized staff; as well as in case of any damaged parts of the device caused by accidents or improper use.

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