



Clean Tech



Clean-Tech Hand Sanitizer

Air Atomizing Technology



www.Clean-Tech.ir
www.Atmeco.ir

Email: info@clean-tech.ir
Tell: 009891-014-006

INTRODUCTION	7
TRASPORT, STOCKING AND HANDLING	7
UNPACKING AND POSITIONING	7
SAFETY RULES	8
DESCRIPTION AND TECHNICAL DATA	9
STANDARD EQUIPMENT	9
FORESEEN USE CONDITIONS	9
FUNCTIONING	9
TROUBLE SHOOTING	9
MAINTENANCE	10
INFORMATION ON DEMOLITION	10
FIRE EXTINGUISHERS	10
ELECTRONIC INSTALLATION	11

The aim of this publication is to supply the owner and the user with efficient and safe instructions on the use and maintenance of the atomiser. If these instructions are carefully followed, the appliance will give you full satisfaction since efficiency and duration belong to the tradition of our company. Here below are the definitions for the danger levels with the relevant words used in this manual:



CAUTION:

Unsafe dangers or processes that may cause serious injuries or damages to persons or things.



WARNING:

Unsafe dangers or processes that may cause not serious injuries or damages to persons or things.

Read carefully these instructions before starting the atomiser. Keep this manual, together with the explanatory material supplied with the appliance, in a folder near the atomiser, to facilitate consultation by authorized operators.



CAUTION:

Follow the instructions given in this manual: any use which is not expressly described here, is to be considered as under full operator's responsibility.

NOTE

Some illustrations contained in this manual have been taken from prototype pictures: the standard appliances may differ in some particulars. These instructions are destined to persons having a good degree of general knowledge.

Avoid making operations which are beyond your own operative capacity level or with which you have no experience.

If you need assistance, contact an authorized assistance center.

Transport conditions

The appliance must be transported in its original packing and kept in the position shown on the packing.

Packing dimensions:

- width cm 47
- depth cm 32
- height cm 29

Environmental conditions for transporting and stocking the appliance

Temperature: -15_oz +40_oC



CAUTION:

To avoid damage, do not superimpose one packing on another.

Handling

Move the packing with care and be careful not to overturn it.



WARNING:

Keep the original packings stored for possible future transports.



WARNING:

Carry out carefully the unpacking and positioning operations as described below. Non-observance of these instructions may compromise safety and appliance operation.

Unpacking

- Free the appliance from its packing being careful not to damage it

Installation



WARNING:

When choosing the place where to install the appliance, keep in mind its overall dimensions and the passageways. The appliance must be installed in a dry and safe place.



CAUTION:

When choosing the place where to install the appliance, all norms in force for the prevention of accidents must be observed.

Environmental working conditions

- Relative humidity 30% ÷ 95%
- Temperature + 5°C- + 40°C



CAUTION:

Using the appliance in a potentially explosive environment is prohibited.

After choosing a suitable place to install the appliance, proceed as follows:

- Bring your hands for a moment near the sterilization area and check that the correct working of the appliance.



WARNING:

To avoid any use from unauthorised personnel, we suggest to disconnect it.

STERIHANDS is a very simple appliance which needs no particular safety prescription for using it. In any case, we suggest not to start the appliance without reading and understanding all the recommendations of danger, caution and warning contained in this manual.

To operate correctly with this appliance, you do not need to be a skilled operator, however, it is indispensable:

- To read and understand what is therein described.
- To know the capacities and features of this appliance.
- To make sure that the appliance has been installed in compliance with the existing laws and regulations on the matter.
- To make sure that all users have been suitably instructed and that they can use the appliance in a correct and safe way.
- To keep this maintenance and operating manual always available in an easily accessible place and not to hesitate to consult it whenever this is necessary.



CAUTION:

Avoid removing or making unreadable the labels of Warning, Caution or Instruction. Replace labels that are unreadable or missing. If one or more labels are missing or damaged, please note that it is possible to get them from the reseller nearest to you or from the manufacturer.

- When using and maintaining the appliance, follow the unified regulations for the prevention of accidents.
- Unauthorized variations or modifications to the appliance, free the manufacturer from all responsibility for any damage or accident derived. In particular, please note that the alteration or removal of safety devices represent a violation to the regulations for the prevention of accidents at work.

Description

The automatic atomiser mod. STERIHANDS is mainly formed by two parts in plastic material:

- the front guard which includes the area where the hands are hygienization.
- the door holding the container with the disinfectant liquid and the unit controlling the appliance.

Technical data

- Power-line voltage 230 V
- Feed pump 12 V d.c. - 20 W
- Max. line current absorption 35 W
- Average hygienization time 3-5 secs
- Weight of the appliance 3 Kg.
- Overall dimensions 405x270x220 mm

- 1 pce funnel
- 1 pce key for solution door
- 1 pce operating and spare parts manual

The automatic atomiser mod. STERIHANDS has been planned and manufactured only for hygienising the hands in a quick and safe way. The appliance is destined to professional and industrial sectors, to medical-sanitary operators or food-processing operators. It allows to get a perfect hygiene of the hands while fully respecting the skin surfaces and the surrounding environment.



CAUTION:

Any other use different from the one described above is to be considered as improper and unrational, therefore the manufacturer will decline all responsibility for any damage caused to people or things if caused from an improper use of the appliance.

Put your hands confidently inside the working area to start the process of hygienization through the vicinity sensor.



WARNING:

For an effective use of the appliance, keep rubbing your hands for the whole process of hygienization.

- The appliance is still and does not start or the orange lamp is lit.
- Pour some disinfecting liquid in the tank as explained in the chapter "Maintenance".
- Check the fuse F2 located on the electronic card and replace, if necessary.
-
- The atomization of the disinfecting liquid does not take place correctly.
- Check if the electric pump works correctly and, if necessary, replace it.
- Check if all the tubes conveying the disinfecting liquid are free and correctly attached.
- When approaching the hands to the working area, the appliance starts with difficulty.
- Adjust on the electronic card the trimmer which controls the sensibility of the sensors and which may have lost its adjustment. Adjust as explained in the chapter "Maintenance".
- The atomization time is too short or too long.
- Adjust on the electronic card the trimmer which controls the working time of the electric pump which may have lost its adjustment. Adjust as explained in the chapter "Maintenance".



CAUTION:

- The manufacturer declines all responsibility in case of claims deriving from the use of non original spare parts.
- Before starting any adjustment or maintenance, disconnect the appliance electrically and hydraulically and make sure that all moving parts are locked.
- Do not remove or modify any part of the appliance.



WARNING:

- Keep the appliance clean! Clean with a soft rag and a non-aggressive detergent. Never use air or water jets or diluent to remove dirt or remains from the appliance.
- From time to time and in any case whenever the appliance stops, fill up the liquid container:
 - open the door located on the back with the special key;
 - unscrew the tank containing the disinfecting liquid;
 - fill the tank with the disinfecting liquid ;
 - screw again the container to its place;
 - close again the door and check its correct functioning.
- From time to time, check the sensibility of the proximity sensors which activate the appliance whenever the hands are approached. Should the appliance switch on with difficulty, by means of a little screw-driver adjust the component TR1 on the electronic card. **Turn anti-clockwise to increase its sensibility, turn counterclockwise to decrease it.**
- From time to time, check the timing of the hygienization process. Should this be too short or too long, by means of a little screw-driver adjust the component TR2 on the electronic card. **Turn clockwise to increase the length of the hygienization process, turn counterclockwise to decrease it. The average hygienization time is 5 secs.**

In case of appliance demolition, before doing it, previously separate all the electrical, electronic, plastic and ferrous parts of the appliance. Then proceed to a differentiated scrapping as foreseen by the laws on subject.

To choose the most suitable fire extinguishers, consult the following table:

Dry materials

Water	YES
Foam	YES
Powder	YES*
CO ₂	YES*

* Can be used in the absence of more suitable means or for minor fires.

Electric appliances

Water	NO
Foam	NO
Powder	YES
CO ₂	YES



CAUTION:

The data included in this table have a general character and should be used as an approximate guide by the user. The possibility of using one type of extinguisher instead of another must be checked with the manufacturer.

Electronic diagram (fig. 3)

• List of components:

S1 Electronic card

TR1 Trimmer for sensibility adjustment

TR2 Trimmer for adjusting the pump operating time

P2 Level gauge float

P3 Pump motor + electrovalve

F1 Fuse 6,3 A

F2 Fuse 500 Ma

I Main switch

P1 Input 230 V

J1 Closed: timed version

J2 Closed: direct version