



minimate light H14

USE AND MAINTENANCE MANUAL



AIR PURIFICATION
AND FILTRATION DEVICE



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Thank you purchasing the **JONIX minimate** light H14 device.

This manual contains the information and anything deemed necessary for the transport, installation, use and maintenance of the active sanitizing and air purification device **JONIX minimate** light H14. Improper installation of the device and/or failure to comply with the instructions in this manual, may void the warranty that the Manufacturer issues for its products.

The Manufacturer is not liable for any direct and/or indirect damage caused by incorrect installation or damage caused by units installed by inexperienced and/or unauthorised staff. At the time of purchase, check that the device is intact and complete.

The Manufacturer declines any liability in case of personal injury or property damage resulting from any improper use of the device or from the failure to observe the use and safety instructions specified in this manual. In any such case, any warranty claim will be void.

Any complaints must be submitted in writing within **8 days** of receiving the goods.

1 - GENERAL INFORMATION

1.1 CE PLATE AND SERIAL NUMBER

The device described in this manual is provided with a nameplate identifying it.

Fabricante / Manufacturer	JONIX S.p.A. S.B. Viale Spagna, 37 35020 Tribanico
Nome del prodotto / Product name	JONIX minimate light H14
Descrizione del prodotto / Product description	Dispositivo per la sanificazione e purificazione dell'aria
Codice prodotto / Model	REF 1TH14
Numero di serie / Serial number	Sr. 00_000029704
Caratteristiche elettriche / Alimentazione / Power Supply	230V / 1~ / 50Hz
Potenza nominale Assorbita / Power Consumption (W)	580
Corrente nominale / Current ampere (A)	2,5
Dimensioni (LxPxH) (mm)	560x460x1060
Peso (kg)	62
Anno di costruzione	2021
    	

IMPORTANT WARNING

The JONIX minimate light H14 device is designed and made to sanitise the air in residential and industrial processing environments that are incompatible with toxic and flammable gases. It is therefore strictly forbidden to use the device in environments where the air is mixed with and/or altered by other gaseous compounds and/or solid particles. Using the device for purposes other than those intended and that do not comply with those described in this manual will immediately relieve Manufacturer and its distributors from any direct and/or indirect liability.

1.2 RESPONSIBILITY

Failure to comply with the instructions contained in this Use and Maintenance Manual releases JONIX S.p.A. from any liability. For any data not included or not deducible from the following pages it is recommended to consult the Manufacturer at the Operational Headquarters

JONIX S.p.A.
Via dell'Artigianato, 1
35020 San Pietro Viminario - PD - Italy
<http://www.jonixair.com>

In particular, if the maintenance of the device is carried out in a manner that does not comply with the instructions provided, or in any case in such a way as to compromise its integrity or modify its characteristics, JONIX S.p.A. will be relieved of any responsibility regarding the safety of persons, property, animals and the faulty operation of the devices.

1.3 GENERAL SAFETY INSTRUCTIONS, SYMBOLS AND DEFINITIONS

1.3.1 General safety instructions

Any intervention, of whatever nature, on the device must be carried out by prior and careful reading of this manual in all its parts, with particular reference to **SAFETY**.

It is essential, therefore, that the device is used in accordance with its intended use and with this manual. This manual has been drawn up to provide the necessary information for personnel dedicated to the use and maintenance of the device, until its sale or disposal. It must therefore always be available to the staff who, before carrying out any operation on the device, must read and assimilate all the information contained therein.

1.3.2 Symbols

Please pay utmost attention to the following symbols and their meaning. They emphasise specific information, such as:



OBLIGATION: This symbol draws attention to a specific obligation or action to be implemented with obligation.



WARNING: It refers to integrations or suggestions concerning the proper use of the device.



HAZARD: It refers to dangerous situations that may result from the use of the device, in order to ensure personal safety.



FORBIDDEN: This symbol refers to operations that must be avoided under any circumstances, and hence forbidden.



HIGH VOLTAGE HAZARD!

Do not open or remove any doors or protections before disconnecting the voltage supply.



OBLIGATION TO USE PROTECTIVE GLOVES

Use adequate hand protection in addition to other personal protective equipment suitable for the place and the operations to be carried out.



WASTE ELECTRICAL AND ELECTRONIC EQUIPMENT.

The crossed-out bin symbol on the label on the appliance indicates that this product complies with the regulations on waste electrical and electronic equipment. The abandonment of the equipment in the environment or its unauthorised disposal is punishable by law.

1.3.3 Definitions

Below are the definitions of the main terms used in the user manual.

MANUFACTURER

Individual or juridical person who designs and/or manufactures the device and is responsible for its conformity for the purpose of placing it on the market under his own name or trademark.

SUPPLIER

Any professional operator in the marketing chain.

USER

Person, organisation or company who or which has purchased or rented the device and is going to use it for the intended purposes.

USER/OPERATOR

Individual who has been authorised by the user to operate the device.

QUALIFIED STAFF

Individuals who, on the basis of their professional training, experience, knowledge of relevant regulations and accident prevention regulations, are able to assess the work entrusted to them and recognize and avoid any hazards.

AUTHORIZED PERSONNEL

Specialised personnel, assigned by the user to carry out certain tasks.

HAZARD

Source of possible injury or damage to health and safety.

RISK

Combination of probability and severity of possible injury or damage to health and safety in a hazardous situation.

DANGEROUS ZONE

Any area within and/or close to a machine in which a person is exposed to a risk.

PROTECTIONS

Safety measures consisting of the use of specific technical means (guards and safety devices) to protect users, users and operators from hazards.

REPAIR

Element of a machine used specifically to provide protection by means of a physical barrier; depending on its construction, it may be called a headphone, cover, screen, door, fence, casing, segregation, etc.

PROTECTIVE DEVICE

Device (other than a guard) that eliminates or reduces the risk; it can be used alone or associated with a guard.

ROUTINE MAINTENANCE

Type of maintenance interventions during the life cycle, suitable for:

- maintain the original integrity of the goods;
- maintain or restore the efficiency of the goods;
- contain the normal degradation of use;
- ensure the useful life of the goods;
- cope with accidental events.

SPECIAL MAINTENANCE

Type of non-recurring and high cost interventions, compared to the replacement value of the goods and the annual cost of routine maintenance of the same.

2 - WARNINGS AND GENERAL PROHIBITIONS

**READ THE INSTRUCTIONS BEFORE ANY OPERATION**

Before starting any operation, it is mandatory to read this manual and apply all its instructions.

The user must carefully read **ALL** the contents of this User and Maintenance Manual and have it read by the designated users and maintenance technicians, for the parts that are their responsibility.



This Use and Maintenance Manual is an integral part of the device and must therefore be kept with care and must **ALWAYS** accompany the device even if it is transferred to another owner or user or transferred to another facility. If it is damaged or lost contact JONIX S.p.A. for another copy or download the document from www.jonixair.com or via the QR code applied to the device.



It is the user's responsibility to ensure that, if this document is modified by JONIX S.p.A, only the updated versions of the Manual are actually present at the points of use.



Repair or unscheduled maintenance work must be carried out by personnel authorised by JONIX S.p.A. or by qualified personnel in accordance with this use and maintenance manual. Do not alter or tamper with the device as it can lead to hazards and the manufacturer shall not be liable for any damage caused.



The transport, handling, installation, commissioning and decommissioning of this product must only be performed in accordance with the requirements and instructions specified in this manual.



Any liability of JONIX S.p.A. is excluded for damage caused to persons, animals or property, whether due to transportation, installation, adjustment, maintenance, decommissioning or misuse.

Please note that the use of products that require electricity involves the observance of some crucial safety rules such as:



This device is not intended for use by people with reduced physical, mental or sensory abilities or lack of experience and knowledge.



This device is not a toy, make sure it is placed out of the reach of children and take precautions so that children do not play with the device.



Cleaning and maintenance intended to be carried out by the user must not be carried out by unsupervised children.



Do not touch the device if you are barefoot and with parts of the body that are wet or damp.



Any maintenance or cleaning operation before disconnecting the device from the power supply is prohibited.



It is forbidden to modify the safety and/or adjustment devices.



Do not pull, detach or twist the electrical wires coming out of the device, even when it is disconnected from the mains.



It is forbidden to get on and/or sit on the device. It is forbidden to place objects, animals or people on the device.



It is forbidden to spray or throw water or other liquids directly inside the device, even in case of fire.



It is forbidden to use the device outdoors or on wet surfaces. Do not expose to water, rain or weathering.



It is forbidden to open the access panels to the internal parts of the unit without removing the power supply and making sure that the unit cannot be accidentally powered.



It is forbidden to use the device with a damaged cable or plug.



It is forbidden to use the device if it does not work properly, has received a strong blow, has been accidentally dropped, has been damaged or left outdoors or has fallen into water.



It is forbidden to insert objects into the openings of the device.



Do not dispose of or leave the packaging material within reach of children because it can be potentially dangerous.

For the maintenance and cleaning operations (see chapter 7 "Maintenance") of the device we remind you that:



ATTENTION!

BEFORE CARRYING OUT ANY MAINTENANCE OPERATION MAKE SURE THAT THE DEVICE IS NOT AND CANNOT ACCIDENTALLY BE POWERED ELECTRICALLY. YOU MUST THEREFORE UNPLUG THE DEVICE BEFORE CARRYING OUT ANY MAINTENANCE.

- It is the duty of the user to perform all the maintenance operations on the device reported in this manual.
- If a malfunction not indicated in this manual occurs, disconnect the power supply to the device and consult your dealer and/or **JONIX S.p.A.**
- Only trained and qualified personnel can perform maintenance operations other than those specified in this manual.



For all maintenance operations it is good practice to use work gloves to protect your hands.

- When servicing the filters, pay particular attention to your fingers to avoid the risk of pinching.
- Do not use liquid cleaners, sprays, soap or other products directly on the device.
- Pay particular attention to the air passage grilles: check that they are clean to ensure the passage of air.

2.1 SAFETY SIGNS

Check the condition of the safety pictograms periodically and replace them if necessary. The safety signs on the machine are as follows:

Pictogram 1	Pictogram 2	Pictogram 3	Pictogram 4	Pictogram 5
				
ELECTRICAL VOLTAGE HAZARD	OBLIGATION TO READ THE INSTRUCTION MANUAL	OBLIGATION TO DISCONNECT VOLTAGE BEFORE MAINTENANCE	OBLIGATORY USE OF PROTECTIVE GLOVES	MOVING PARTS HAZARD

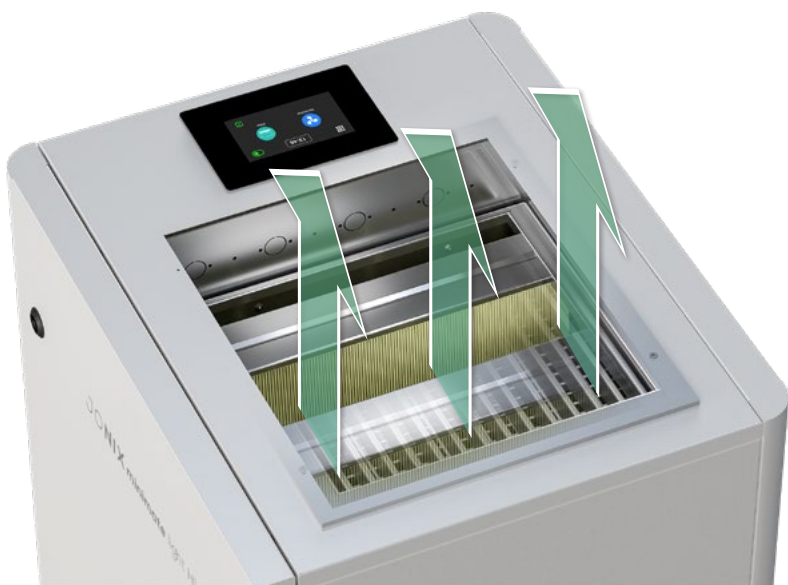


3 - THE OPERATING SYSTEM

The JONIX **minimate** light H14 device is equipped with an advanced control system that allows ventilation to be adjusted for a rapid and effective response to the need for filtration and particulate reduction.

The device JONIX **minimate** light H14 is equipped with three filtration stages. The pre-filter G2, medium filter F7 (optional) combined with the absolute filter H14 allow the reduction of airborne fine dusts and to ensure a very high degree of filtration.

The air purification activity of the device JONIX **minimate** light H14 is compatible with the presence of persons and animals. No chemicals are used and no harmful residual substances are generated.



4 - TECHNICAL DATA minimate light H14

Fig. 1



4.1 DESCRIZIONE COMPONENTI minimate light 14

- | | |
|---|--|
| 1 Display Touch screen | 10 Magnetothermic switches for fan power supply disconnection (Q1) and auxiliary power supply disconnection (Q2) |
| 2 Flat Plug Power Socket Inlets with On/Off Rocker Switch | 11 Access door opening switch button for maintenance |
| 3 Power cable | 12 Adjustable 2 way air outlet register |
| 4 Swivel casters with brake | 13 Absolute filter H14 |
| 5 Pressure outlets | 14 Centrifugal fan |
| 6 Maintenance access front panel closures | 15 Front panel for access to the fan |
| 7 Key to access the front panel | 16 Thin particulate filter F7 (optional) |
| 8 Maintenance access door | 17 Lower suction grille |
| 9 Filter fixing brackets | 18 Pre-filter G2 |

4.1.1 Technical features **minimate** light 14

The technical characteristics and relevant data are shown on the nameplate together with the serial number identifying the device.

Model	Dimensions (L x P x H) [mm]	Power supply	Max power absorption [W]	Weight [kg]	(*) Flow rate treated air [m³/h]	Degree of Protection
JONIX minimate light 14	560 x 480 x 1060	230 V / 1~ / 50Hz	450	68	1200	IP40

(*): Maximum air flow.

4.1.2 Spare parts available on order

Code	Description	Notes
JX70000006	Filter F7	OPTIONAL
JX70000017	Filter H14	-
JX70000027	Pre-filter G2	-
JX55000118	KEY TO OPEN THE ACCESS MAINTENANCE DOOR	-

5 - RECEPTION, TRANSPORT AND STORAGE

5.1 PACKAGING

The JONIX **minimate** light H14 device is shipped in special protective packaging that must be kept intact until installation. The materials that were not installed for technical requirements are supplied with suitable enclosure secured to the inside or outside of the device itself.

The package includes:

- JONIX **minimate** light H14.
- Power cord.
- 2 keys for opening of the front access panel for maintenance.
- Operating and maintenance manual.
- CE declaration.

Fig. 2



5.2 HANDLING AND TRANSPORT

Unless otherwise agreed in writing in advance, no other material or goods shall be placed on top of the devices.



The carrier is responsible for securing the load on the means of transport.

JONIX S.p.A. declines any responsibility in case of damage caused by loads poorly transported by the carrier.



To handle the device, use appropriate means, in good condition and suitable capacity, depending on the weight, as required by Directive 89/391/EEC and subsequent amendments.



Please take great care while unloading and positioning the devices, to prevent damaging the casing or components. Always make sure that the load is stable. Avoid uncontrolled rotations. Lifting assistance must, if necessary, be carried out with rods, levers, grappling hooks without ever using hands alone.



During lifting and/or transport and/or handling operations, provide for appropriate signalling and confinement of the dangerous zone, signalling the prohibition of access to the dangerous zone by unauthorised personnel.

5.3 INSPECTION UPON RECEPTION

When you receive the device please check all its parts, in order to make sure that it has not been damaged during transport.

Any damage must be reported to the carrier, by filling in the relevant section on the delivery note and specifying the type of damage.



Any type of complaint must be sent in writing within eight days from receiving the goods.

5.4 STORAGE



In case of prolonged storage before installation, the device must be protected from dust, weather and kept away from heat and vibration. Do not allow the device to come into contact with corrosive substances.

JONIX S.p.A. declines all liability for damage due to poor handling, transportation and storage.

6 - INSTALLATION AND COMMISSIONING



JONIX S.p.A. disclaims any liability for failure to comply with the safety and prevention standards as described below.

The Manufacturer also disclaims any liability for damage caused by improper use of devices and/or alterations carried out without prior authorisation.

6.1 SAFETY INSTRUCTIONS

- The device must be installed in strict accordance with the instructions contained in this manual.
- While performing installation, operate in full safety and in a clean environment clear of obstructions.
- **Before switching the device on check the integrity of the various components and of the electrical mains to which it is connected, making sure that it is fitted with a circuit breaker upstream of the power line.**
- **Before putting the device into operation, check that the electrical system to which it is to be connected has an effective earthing system.**
- Do not service or clean the device without first unplugging it from the mains.
- Perform routine maintenance following the instructions in this manual or contact JONIX S.p.A. for assistance.
- Unscheduled maintenance and the replacement of damaged or worn parts must only be carried out by specialist personnel authorised by JONIX S.p.A..
- Spare parts must meet the requirements defined by JONIX S.p.A..
- Do not insert objects of any kind into the device, as coming into contact with live parts or electrical terminals may cause fires or electric shocks. In case of maintenance, check that you have removed all tools and objects before closing the panels and restarting the device.
- Comply with the laws in force in the country in which the device is installed, regarding the use and disposal of the packaging and products used for cleaning and servicing the device; you should also observe the recommendations given by the manufacturers of such products.
- In the event of decommissioning or disposing of the MIC device, follow the anti-pollution regulations set out by the country in which the device is installed.
- **Use only the power supply indicated on the nameplate. If you are not sure about the type of power supply available, ask your local retailer or electricity provider for assistance.**
- Do not spill water or other liquids on the device.
- Place the device so that the power cable cannot be stepped on and/or does not cause tripping.
- Do not touch the inside of the device, unless otherwise specified in the instructions contained in this manual.
- Never force the components when installing or performing maintenance operations: although it is built with high strength materials, the parts of the device can be damaged if handled incorrectly.

- Do not try to perform maintenance work on the device, except where specified in this manual. Opening or removing the outer casing may expose you to dangerous live parts or may involve other risks. All maintenance work must be carried out by authorised staff, except where specified in this manual.
- Do not tamper with or modify the device.
- Do not perform maintenance or other operations in low light and visibility conditions.
- Do not modify the functional and performance components of the device.
- Do not tamper with the safety devices.
- Do not use the device after maintenance without making sure it is safe. Check that all components are correctly restored before restarting it.
- Do not remove or make illegible the safety, hazard, and mandatory signs on the device.
- Do not use water or liquids to put out a fire.
- The device has slots and openings for ventilation, do not obstruct or cover them, even partially.
- Always leave the necessary space for ventilation in front of cracks and openings, as indicated in this manual.
- Do not pull the power cord and make sure it is not too taut when connecting the device.
- Keep the cord and device away from hot surfaces.
- Do not cover the cord with rugs or other similar items.
- Place the cord in a position away from trafficked areas to avoid the risk of tripping.
- Do not remove the plug by pulling on the cord. To perform this operation, hold the plug, not the cord.
- Extensions should not be used.
- Do not tamper with or modify the power cord.
- Use the power cord supplied with the device, do not use third party power cords.
- Switch off the device before disconnecting the plug.
- Unplug when the device is not used for a long time and rewind the cord securely to avoid the risk of tripping.
- Do not use the device near ovens, fireplaces, stoves or other high temperature heat sources
- Do not use the device near naked flames.
- When using the product together with gas appliances in operation (such as gas stoves, gas water heaters, gas hobs, etc.), adequately ventilate the environment to avoid carbon monoxide poisoning.
- Do not use the device near air fresheners, essential oils, chemical additives and similar products.

- Disconnect the device from the power supply and contact JONIX S.p.A. or a dealer for service when any of the following cases occur:
 - the internal parts of the device have come into contact with water or other liquids of any kind;
 - a malfunction persists despite all the installation and/or maintenance procedures having been performed properly;
 - the power supply cable is damaged or worn.

Fig. 3



Do not pull the power cord.



Do not place it near heat sources.



Do not use naked flames.



ATTENTION!

Any use other than that specified herein shall be deemed to be incorrect.

6.2 GETTING STARTED



- Check that the various components of the device are fully intact.
- Check that the documentation and all components for installation are contained in the package.
- Equip yourself with suitable devices for lifting and unpacking of the device.



- Carry the device in its packaging as close to the installation site as possible.
- Do not rest weights or tools on the device, or place it on an unstable surface.



- The keys to open the front panel must be kept by the user and, if necessary, given only to authorised users.

Fig. 4: Take the keys attached to the upper grille and open the front maintenance access panel.



Fig. 5: Take the power cord positioned above the absolute filter.



Fig. 6: Check that the magnetothermic switches for disconnection of the fan power supply (Q1) and for disconnection of the auxiliary power supply (Q2) are in the ON position.



Fig. 7: Close the front maintenance access panel with the maintenance access key.
The device is ready for use (see paragraph 6.6 "USING THE DEVICE").



6.3 OPERATING SITE CHARACTERISTICS



The environment in which the device is placed must have the following characteristics:

- air temperature between 0°C and 40°C;
- relative air humidity below 80%.



Do not place the device outside.



Do not place the device in environments where there are flammable gases, acidic, aggressive and corrosive substances that could damage it.



The device must not be installed in an explosive environment due to the presence of electrical and electronic equipment not specially designed.



Ensure **free spaces** around the device for the purposes of correct ventilation.



Fig. 8

Fig. 9: The device **JONIX minimate light H14** can be easily moved in various environments, as it is equipped with 4 360° castor wheels. It can be locked and secured in its operating position thanks to the brakes that all wheels are equipped with.



- Do not move the device by pulling the power cord.
- Turn off and unplug the device before moving it.
- Do not operate the device if there are no wheels.

6.3.1 Position of the operator

During operation of the unit, the presence of the operator in the vicinity of the device is not required.

For maintenance, the operator must access the maintenance access door as shown in the figure.

Fig. 10: Position of the operator for maintenance operations.



6.4 ELECTRICAL CONNECTIONS



ATTENTION! BEFORE STARTING ANY OPERATION, MAKE SURE THAT THE GENERAL POWER SUPPLY LINE IS DISCONNECTED AND THAT THE DEVICE CANNOT BE ACCIDENTALLY POWERED!

- The electrical connections must be carried out following the instructions provided in this manual.
- The use of adapters, multiple sockets and/or extensions is not recommended.
- Make sure that voltage and frequency of the electric line correspond to those provided on the name plate.



ATTENTION!

Using a power supply that does not meet the requirements of the device may result in damage to the device or some of its parts.

6.5 ELECTRIC POWER SUPPLY

The JONIX **minimate** light H14 device is ready for connection to the civil power supply network, 230V / ~1 / 50Hz. The device is equipped with a cable with a Schuko plug.



Before making any connections, **ALWAYS** make sure the mains voltage complies with what is shown on the plate.



ATTENTION!

It is recommended to check that the energy delivered is stable. Otherwise a voltage stabilizer must be installed upstream.

6.6 USING THE DEVICE

The JONIX **minimate** light H14 device has been designed to work in a user-friendly and immediate way, simply by connecting it to the power supply line with the cable provided.

Fig. 11: Connect the device to the mains using the power cable provided.



Fig. 12. Turn on the device by moving the switch 0/I to the I (ON) position.



The control and the setting of functions takes place using the Display (see paragraph 6.8 "User interface and menu navigation").



WARNING!

it will take some minutes for the display to load the software correctly. When the device is turned on the display might appear to be turned off.

6.7 DEFAULT SETTINGS

The device is set with the following default parameters:

- a) Air flow: 600 m³/h.
- b) The air flow rate can vary from a minimum of 400 m³/h to a maximum of 1200 m³/h.
- c) Presence of the buzzer sound when a key is pressed on the display: Yes.
- d) Waiting time for standby: 120".
- e) The device user password **minimate** light H14 is: **100**
Modification is not permitted.

6.7.1 First start checks

At first start-up, the device should be subjected to at least the following checks:

- check the integrity and stability of the **minimate** light H14 as a whole;
- check that all panels and covers are closed and securely fastened;
- check that the mains voltage is correct in relation to what is indicated on the nameplate of the device;
- check that there are no alarm signals on the display;
- check that the air flow is regular.



Repeat the checks carried out at the first start-up even after each extended shutdown period and after maintenance.

6.8 USER INTERFACE AND MENU NAVIGATION

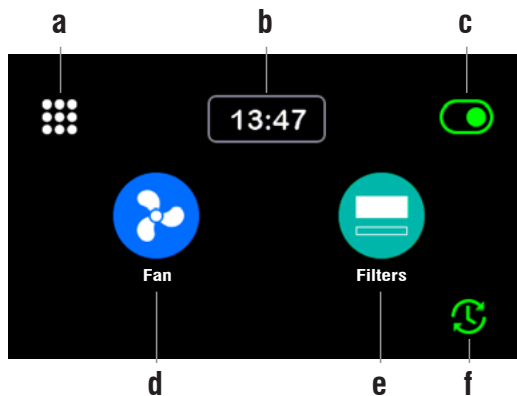
minimate light H14 device is provided with a touch screen, allowing the user to control device status and to modify its operation as needed.

6.8.1 Start-up screen



This is the start-up screen of the display and it disappears as soon as the connection with the internal board of the device is established.

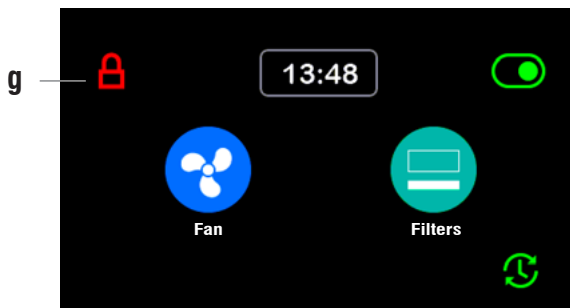
6.8.2 Main screen



In the main screen are reported this information:

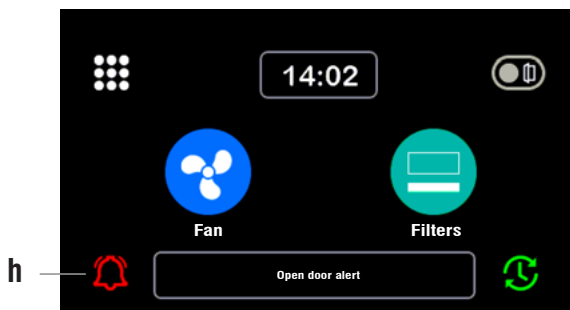
- Settings.**
- Time:** indicates the time set.
- On/Off:** allows you to turn the device on/off..
- Fan:** allows access to the fan menu.
- Filters:** allows access to the filters menu.
- Active time slots:** it indicates that the time slots are active. **If the time slots are not active, the icon is not present.**

Main screen with locked display:



- g) **Screen unlock key:** when this symbol is displayed it means that the display is locked. With the screen locked, no action can be taken. The device can be unlocked when this key is pressed and the user password is subsequently entered. When the screen is unlocked, the settings key (a) appears instead of the indicated key.

Main screen with the presence of an alarm:



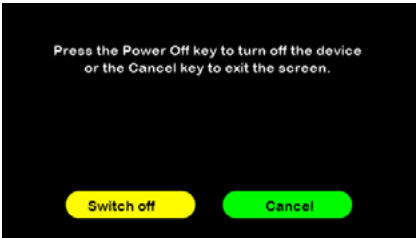
- h) **Alarm present:** if the device is in an alarm state, the bell symbol appears together with the relative brief description and the relative On/Off symbol.

6.8.3 Switching the device on/off

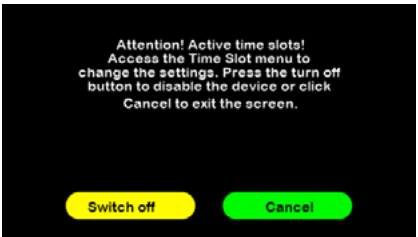
On the main screen, the upper right symbol marked with **C** is used to intuitively identify the status of the device as indicated in the table.

C	DESCRIPTION OF THE GRAPHIC SYMBOL
	The device is switched ON.
	The device is switched OFF.
	The device is switched OFF according to the setting of the time slots. The device will restart when requested by setting the time slots.
	The device is switched OFF, because it has been disabled by remote control (external contact).
	The device is switched OFF because the front panel is open; disconnect the power supply before maintenance or close the panel.

If the device is  , pressing will result in confirmation being prompted with this message:



If the device is  with the time slots active  pressing will result in confirmation being prompted with this message:



If the device is  pressing will result in confirmation being prompted with this message:

Press the Power button to activate the device
or the Cancel key to exit the screen.

Switch on

Cancel

If the device is  pressing will result in this message being displayed:

Attention!
Machine stopped because:
Active slots
Access the Time Slots menu to change
the settings.
Press the Cancel key to exit the screen.

Cancel

If the device is  pressing will result in this message being displayed:



To reactivate the device, activate it
from the remote control.

Attention!
Machine stopped because:
Deactivation from remote control!

Cancel

If the device is  pressing will result in this message being displayed:



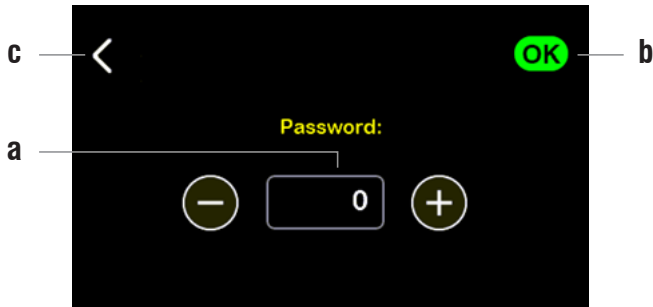
To reactivate the device, close the
front panel for maintenance.

Attention!
Machine stopped because:
Deactivation from door open contact.
Press the Cancel key to exit the screen.

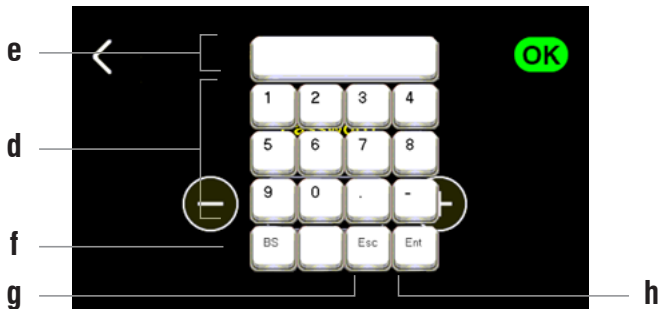
Cancel

6.8.4 Password entry with or without keypad

To access the Time Slots menu and to change the fan air flow rate setting, the user password must always be entered via the appropriate screen.

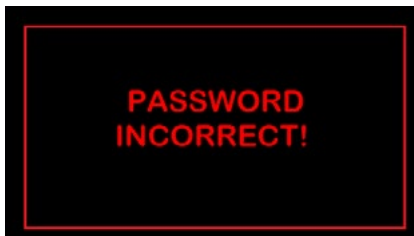


- a) **Password entry:** using the “-” and “+” keys it is possible to set the value of the password to be entered (from 0 to 99999).
- b) **OK Key:** Once the password has been entered, confirm by pressing the OK key.
- c) **<:** to return to the previous screen.



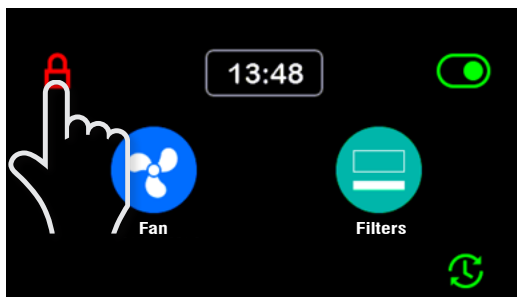
- d) **Numeric keypad:** pressing inside the box with the password digits (a) displays the numeric keypad with which it is possible to type in the password.
- e) **Keypad display:** the numbers entered appear.
- f) **BS (BackSpace):** key to delete one or more of the digits entered.
- g) **Esc:** key to close the numeric keypad without confirming the entry of any password digits entered.
- h) **Ent (Enter):** key to confirm password entry. When this key is pressed, the numeric keypad closes. To confirm the password, press the OK key (b).

In case of entering an incorrect password upon confirmation by pressing the key **OK**, the following screen appears. After a few seconds this screen disappears followed by automatic return to the previous screen.



6.8.5 Screen lock and settings

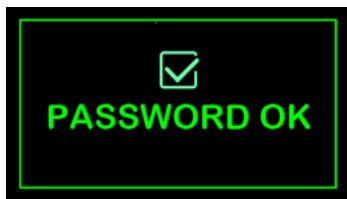
To unlock the display, press the key  in the main screen where a prompt will appear to enter the user password.



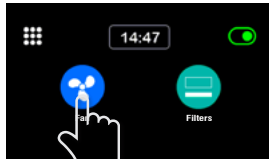
If you enter an incorrect password, when you confirm by pressing the **OK** button, the incorrect password screen appears. After a few seconds, this screen disappears and you automatically return to the locked main screen.



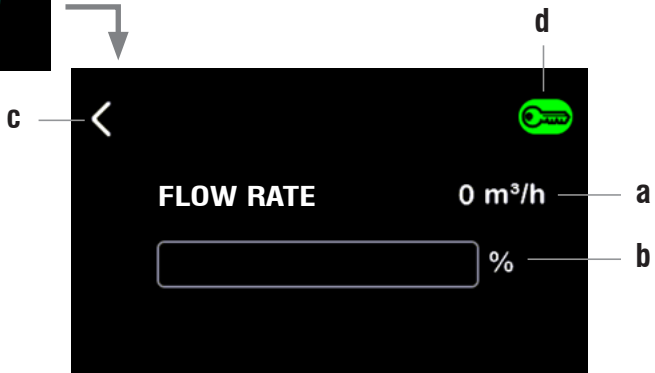
If you enter the correct password, when you confirm by pressing the **OK** button, the correct password screen appears. After a few seconds, this screen disappears and you are automatically returned to the unlocked main screen.



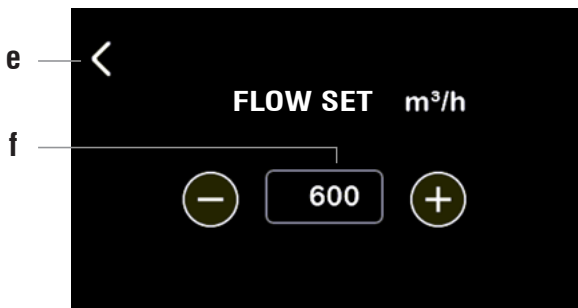
6.8.6 Fan screen



On the main screen, press the "fan" key  to browse the pages dedicated to the fan.

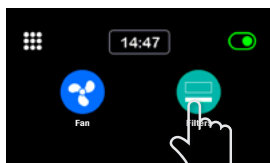


- a) **Current air flow in m³/h**: it displays the measured value in real time in m³/h.
- b) **Current air flow%**: it displays the value measured in real time in % of the maximum permitted speed (1200 m³/h).
- c) **<** : to return to the main screen.
- d) **Key to set the range**: it is used to access the screen to set the air flow. Furthermore, when this key is pressed, there will be a prompt to enter the user password.

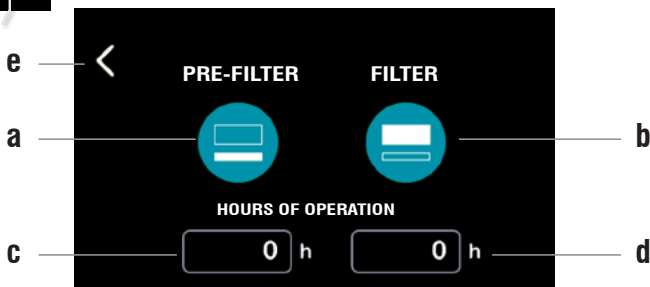


- e) **<**: to return to the previous screen.
- f) **Flow rate set m³/h**: using the "-" and "+" keys it is possible to set the desired air flow rate.

6.8.7 Filters screen

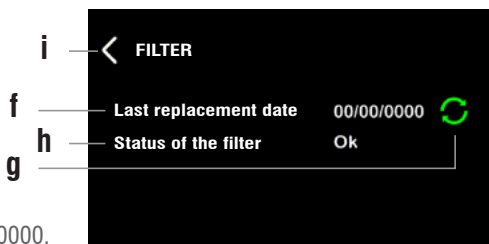
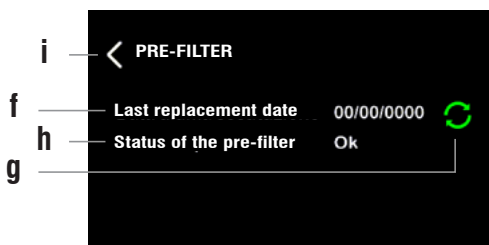


On the main screen, press the "filters" key  to browse the pages dedicated to filters.



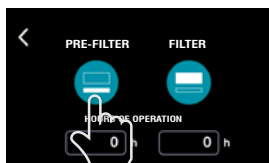
- a) **Pre-filter (optional)**: allows access to the screen with information relating to the F7 particulate filter (optional).
- b) **Filter**: allows access to the screen with information about the absolute filter H14.
- c) **Hours of Pre-filter (optional) operation**: counter of hours (h) of operation (with fan on) of the Pre-filter.
- d) **Hours of Filter operation**: counter of hours (h) of operation (with fan on) of the Filter.
- e) **<**: to return to the previous screen.

- f) **Last replacement date**: the date of the last filter replacement is displayed.
- g) **Reset Button**: it is used to update the date of the last filter replacement and to reset the relative hour counter.
- h) **Filter status**: the filter status is displayed. If the filter is not dirty, this message appears: Ok. If the filter is dirty, this message appears: Replace.
- i) **<**: to return to the previous screen.



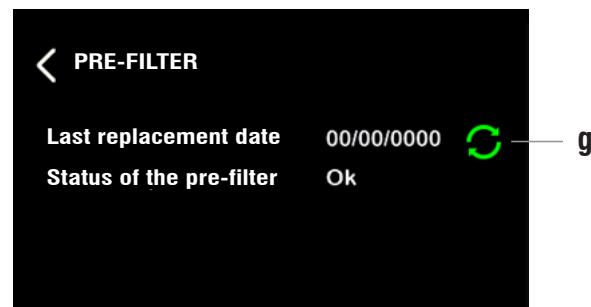
Note: with the filters installed by the manufacturer, the last replacement date will be 00/00/0000.

6.8.7.1 Pre-filter (optional) maintenance recording



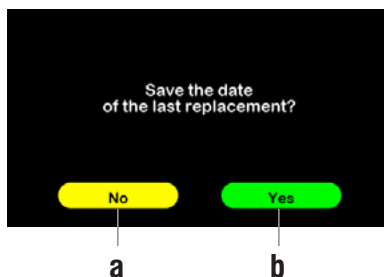
Press  to access the Pre-filter screen.

The key  is used to record the date on which maintenance was carried out on the Pre-filter F7.



In fact, the following screen is displayed:

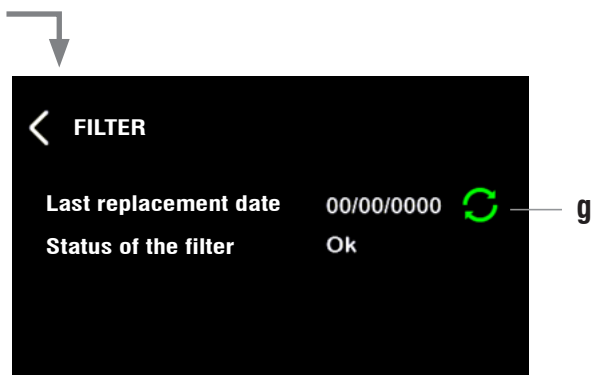
- No:** pressing the "No" button results in returning to the previous screen without updating the date of the last replacement of the relative filter.
- Yes:** pressing the "Yes" button updates the last replacement date to the current system date and resets the operation hours counter of the relative filter. When this button is pressed, the user password is requested.



6.8.7.2 Filter maintenance recording



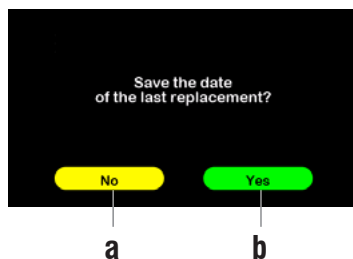
Press  to access the Filter screen.



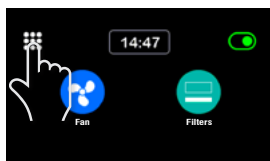
The key  is used to record the date on which maintenance was carried out on the Filter H14.

In fact, the following screen is displayed:

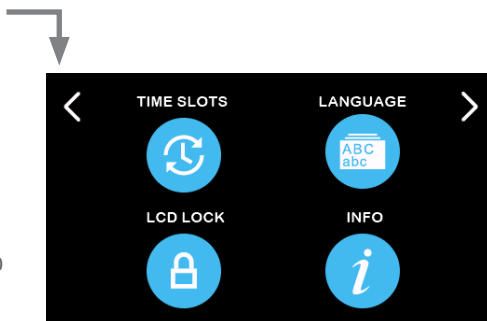
- No:** pressing the "No" button results in returning to the previous screen without updating the date of the last replacement of the relative filter.
- Yes:** pressing the "Yes" button updates the last replacement date to the current system date and resets the operation hours counter of the relative filter. When this button is pressed, the user password is requested.



6.8.8 Settings screen

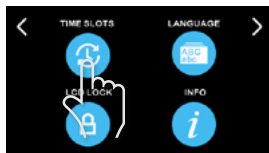


On the main screen, press the "settings" button  to navigate through the modifiable data menus:



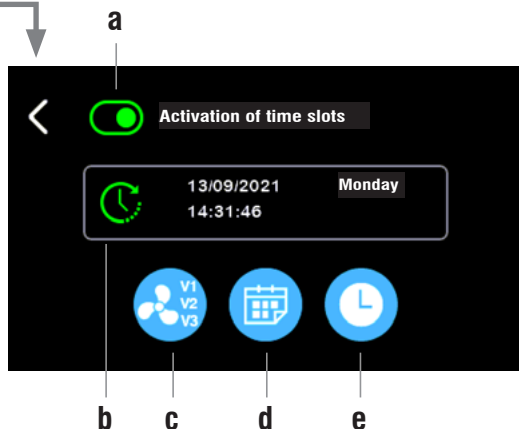
In each screen it is possible to return to the previous one by pressing .

6.8.8.1 Time slots



On the “Settings” screen, press the logo  to navigate in the Time Slots menu. Entering the user password is always required to enter this menu.

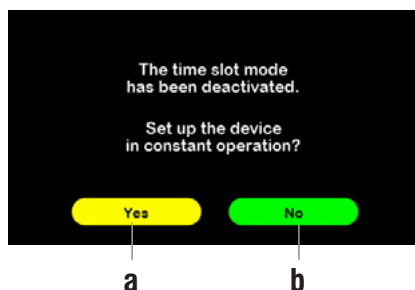
- a) **Activation/deactivation of time slots:** this button allows the activation or deactivation of the time slots. If the time slots are active, the icon  is displayed on the main screen. When the time slots are deactivated, the screen below is displayed.



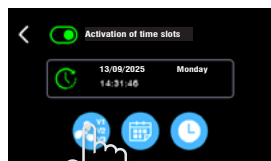
- b) **Date/Time/Day of the week:** this section displays the date in the format DD/MM/YYYY, the time in the format hh:mm:ss and the day of the week.
- c) **Setting ventilation levels V1, V2 and V3:** it is used to access the screen to set the levels that can be used in the set of time slots.
- d) **Scheduler:** it is used to access the screen with the buttons to set the time slots and to copy the time slots of a given day to the other days of the week.
- e) **Date and time settings:** it is used to access the screen to set the date and time.

When the key is pressed , i.e. when the time slots are active, the following screen appears.

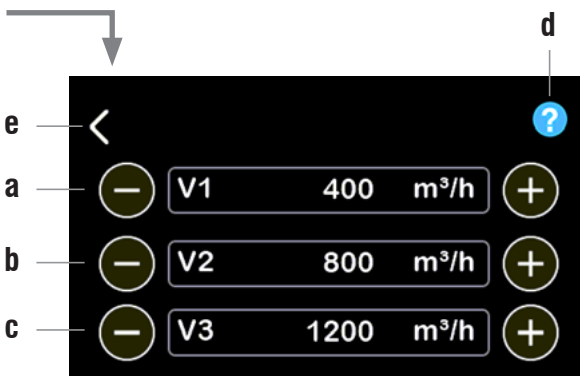
- a) **Yes:** when the “Yes” key is pressed, the time slots are deactivated and the unit is kept switched on.
- b) **No:** when the “No” key is pressed, the time slots are deactivated and the unit is switched off (if on).



6.8.8.1.1 Setting ventilation levels V1, V2 and V3



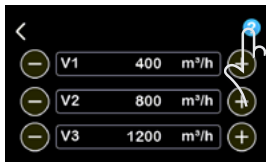
When the key  is pressed the following screen appears.



- a) **V1**: using the “-” and “+” keys it allows selection, with a step of 100 m³/h, the first level available in the SET of the time slots. The value of this field must be between 400 m³/h and lower than the value of the level selected for V2.
- b) **V2**: using the “-” and “+” keys it allows selection, with a step of 100 m³/h, of the second level available in the SET of the time slots. The value of this field must be greater than the value selected for V1 and less than the value of the level selected for V3.
- c) **V3**: using the “-” and “+” keys it allows selection, with a step of 100 m³/h, of the third level available in the SET of the time slots. The value of this field must be greater than the value selected for V2 and less than the maximum value of 1200 m³/h (inclusive).

-> 400 m³/h <= V1 < V2 < V3 <= 1200 m³/h (nominal flow rate)

- d) **?**: it is used to access the screen below that informs the user on how to enter the correct values of the V1, V2 and V3 fields.
- e) **<**: to return to the previous screen, saving any changes made.

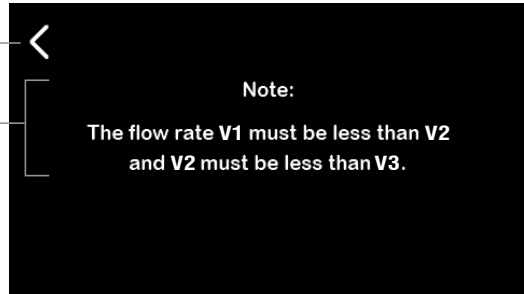


When the key  is pressed the following screen appears.

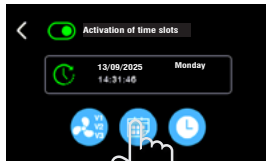
g

f

- f) **Note:** the note informing about correct insertion of the correct values in the fields V1, V2 and V3 is displayed.
- g) <: to return to the previous screen.



6.8.8.1.2 Scheduler

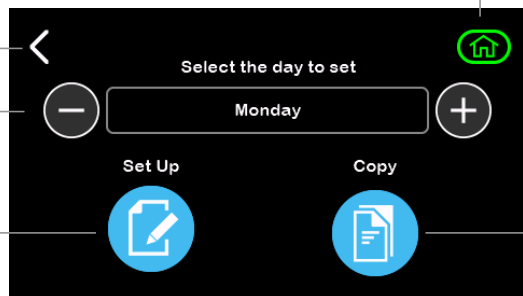


When the key  is pressed the following screen appears.

e

a

b

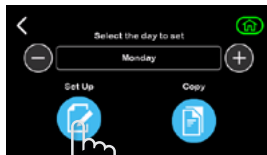


d

c

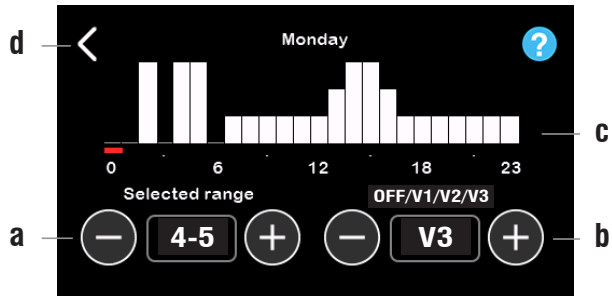
- a) **Selection of the day:** using the “-” and “+” keys, it is used to select the day of the week for which the time slots are to be set.
- b) **Set:** with this key access is provided to the Time slots set screen which it is used to set the time slots for the selected day.
- c) **Copy:** use this key to access the Copy the time slots screen which it is used to copy the settings of the time slots of the selected day to another day.
- d) **Home Key:** to return to the main screen.
- e) < : to return to the main screen.

6.8.8.1.2.1 Time slots set



When the key  is pressed the following screen appears.

Note: the time slot settings have a maximum delay of **two minutes** for the machine to enter the selected state.

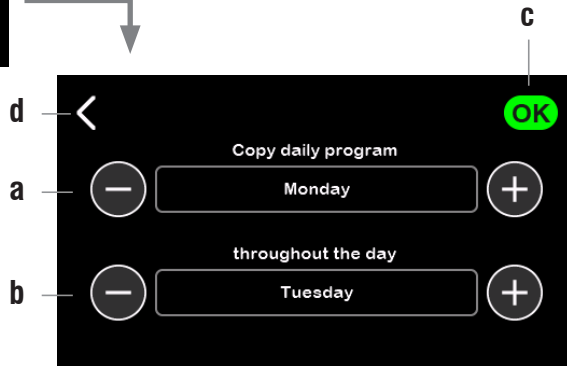


- a) **Selected range:** using the “-” and “+” keys, it is possible to select the time slot to be modified. The values in this field range from 0-1 to 23-0. In addition, the selected slot is highlighted with a horizontal red bar under the graph.
- b) **OFF/V1/V2/V3:** using the “-” and “+” keys, it is possible to modify the level of the selected time slot. The possible fields are OFF for the machine to be switched off, V1, V2 and V3 whose values have been set in the V1, V2 and V3 ventilation levels setting screen. The selected level is graphically represented in the selected slot with a vertical white bar of different heights:
 - a. Not present for the OFF.
 - b. Lower height for V1.
 - c. Medium height for V2.
 - d. Maximum height for V3.
- c) **Graph:** this graph displays the desired settings of the time slots of the selected day.
- d) **<:** to return to the previous screen, saving any changes made.

6.8.8.1.2.2 Copy of the time slots

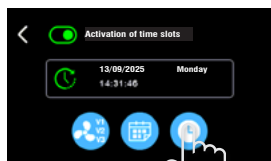


When the key  is pressed the following screen appears.

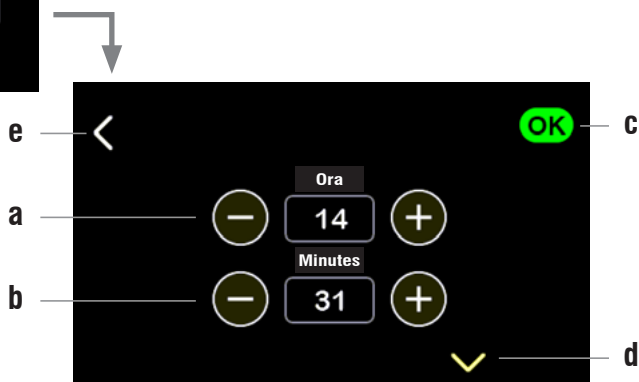


- a) **Copy the day programming:** using the “-” and “+” keys, it is used to select the day with the programming of the time slots to be copied to another day.
- b) **Over the day:** using the “-” and “+” keys it allows selection the day on which to copy the programming of the time slots of the day selected immediately above.
- c) **OK Key:** it is used to copy the programming from one day to another. Once the copy has been made, the button disappears and reappears at the first modification of one of the two previous fields (a or b).
- d) **<:** to return to the previous screen.

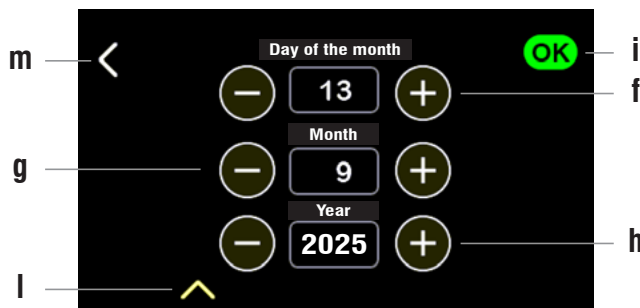
6.8.8.1.3 Settings for date and time



When the key  is pressed the following screen appears.

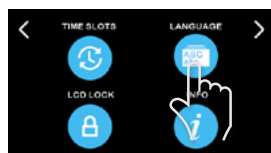


- a) **Hour:** using the “-” and “+” keys it is possible to set the time value of the time stored in the unit.
- b) **Minutes:** using the “-” and “+” keys it is possible to set the minutes of the time stored in the unit.
- c) **OK Key:** it is used to save the changes made to the time values.
- d) **Down key:** it is used to access the screen below to set the date.
- e) **< :** to return to the previous screen.

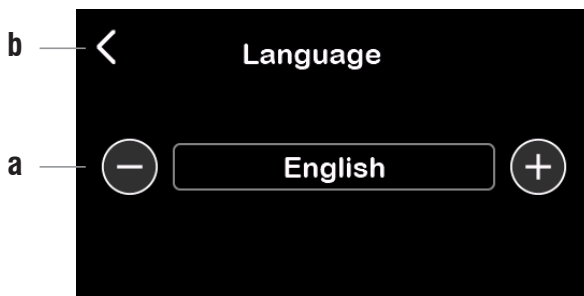


- f) **Day of the month:** using the “-” and “+” keys it is possible to set the time value of the time stored in the unit.
- g) **Month:** using the “-” and “+” keys it is possible to set the minutes of the time stored in the unit.
- h) **Year:** it is used to save the changes made to the time values.
- i) **OK Key:** it is used to save the changes made to the date values.
- l) **Up key:** it is used to access the screen below to set the date.
- m) **< :** to return to the previous screen.

6.8.8.2 Language



Sulla schermata “Impostazioni”, premere il logo  per navigare nel menù della lingua.

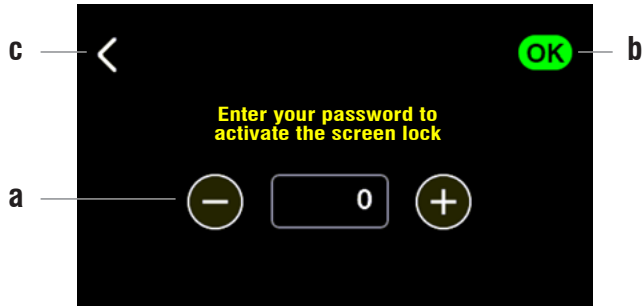


- a) **Language selection:** using the “-” and “+” keys it is possible to select the desired language from the two available: Italian and German.
- b) **< :** to return to the previous screen saving any changes made.

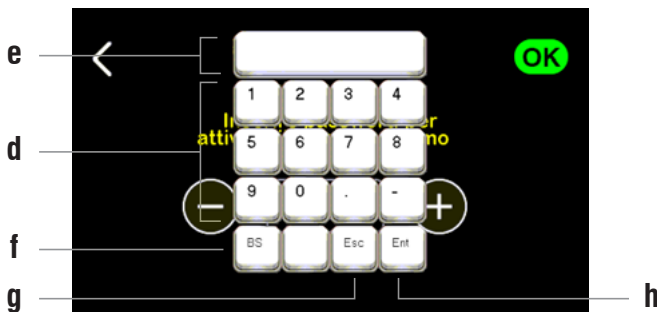
6.8.8.3 Screen lock and settings with or without numeric keypad



On the "Settings" screen, press the logo  to navigate in the menu that it is used to lock the screen when the user password is entered correctly.

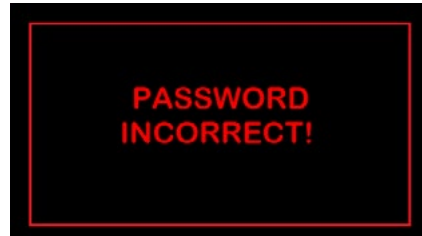


- a) **Enter password to activate the screen lock:** using the "-" and "+" keys it is possible to set the value of the password to be entered (from 0 to 99999).
The password required is the user password.
- b) **OK Key:** Once the password has been entered, confirm by pressing the OK button.
- c) **<:** to return to the previous screen.

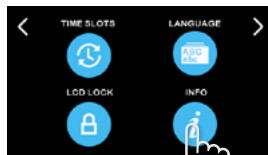


- d) **Numeric keypad:** pressing inside the box with the password digits (a) displays the numeric keypad with which it is possible to type in the password.
- e) **Keypad display:** the numbers entered appear.
- f) **BS (BackSpace):** key to delete one or more of the digits entered.
- g) **Esc:** key to close the numeric keypad without confirming the entry of any password digits entered.
- h) **Ent (Enter):** key to confirm password entry. When this key is pressed, the numeric keypad closes. To confirm the password, press the OK key (b).

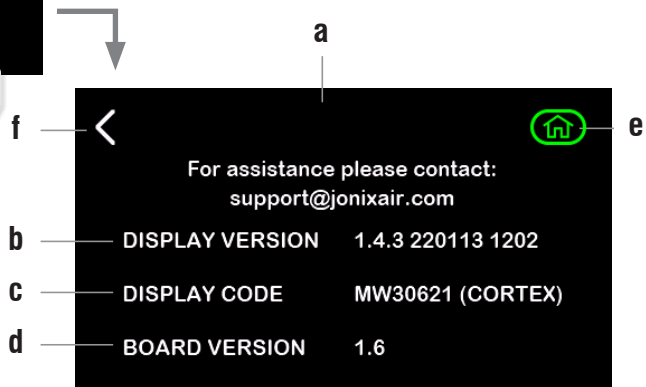
In case of entering an incorrect password upon confirmation by pressing the key **OK**, the following screen appears. After a few seconds this screen disappears followed by automatic return to the previous screen.



6.8.8.4 Info



On the “Settings” screen, press the logo  to navigate in the information selection menu.



a) **Contact for assistance:** the email to which to write in case of assistance is displayed.

support@jonixair.com

b) **Display version:** the code that identifies the version of the display is shown.

c) **Display code:** the code that identifies the display code is shown.

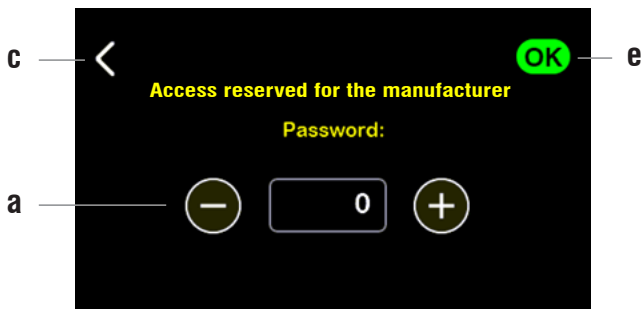
d) **Board version:** the code that identifies the version of the board is shown.

e) **Home key:** to return to the main screen.

f) **<:** to return to the previous screen.

6.8.8.5 Access reserved for the manufacturer

Access to the screens accessible from the "Settings" screen by pressing the key > is exclusively reserved to the manufacturer. Consequently, the user is not permitted to access with the use of the relative password.



- a) **Enter manufacturer password:** using the “-” and “+” keys it is possible to set the value of the password to be entered. The password required is the manufacturer password: 118
- b) **OK Key:** Once the password has been entered, confirm by pressing the OK button.
- c) **<:** to return to the previous screen.

6.8.9 Operation display viewing

During normal and correct operation of the device, it is possible to view on the display:

	The symbol that identifies the spinning fan.
	Symbols that identify the Pre-filter and the filter with the different filling of the white rectangles. The pre-filter below is the pre-filter F7 (optional) while the filter above is the filter H14.
	
	

6.8.10 Alarm status notifications

On the main screen, notifications appear alarm notifications to request intervention by the user or a by a maintenance technician authorised by JONIX S.p.A..

The following table indicates how to proceed to resolve alarms based on the code and description:

CODE	DESCRIPTION	ACTION
AL01	 Thermal fan alarm	Contact an authorised JONIX S.p.A. maintenance technician.
AL02	 Alarm faulty or disconnected fan DP sensor	Contact an authorised JONIX S.p.A. maintenance technician.
AL03	 Alarm faulty or disconnected DP pre-filter sensor	Contact an authorised JONIX S.p.A. maintenance technician.
AL04	 Open door alert	The device is switched OFF because the front panel is open; disconnect the power supply before maintenance or close the panel if the door is not correctly closed. If the alarm persists, contact a maintenance technician authorised by JONIX S.p.A..
AL05	 Faulty or disconnected filter DP sensor	Contact an authorised JONIX S.p.A. maintenance technician.
AL06	 Pre-filter cleaning alert	See par. 7.2.1 "replacing filters" (optional).
AL07	 Filter cleaning alert	See par. 7.2.1 "replacing filters".
AL08	 Unit input voltage alert	Contact an authorised JONIX S.p.A. maintenance technician.



To solve the problem displayed read the chap. 7 “MAINTENANCE” of this manual.



Contact JONIX S.p.A. or a Distributor always quoting the product code and serial number shown on the device plate:

- if a malfunction other than that described in this use and maintenance manual is found;
- if the problem cannot be resolved correctly and the alarm status persists.

6.8.11 Card-display communication malfunction

If, when the device is switched on, the display remains constantly on the home screen, this is an indication of a malfunction in the communication of the display with the internal board.



Contact JONIX S.p.A. or a Distributor always quoting the product code and serial number shown on the device plate.

7 - MAINTENANCE

7.1 WARNINGS



BEFORE CARRYING OUT ANY MAINTENANCE OPERATION MAKE SURE THAT THE DEVICE IS NOT AND CANNOT ACCIDENTALLY BE POWERED ELECTRICALLY. YOU MUST THEREFORE UNPLUG THE DEVICE BEFORE CARRYING OUT ANY MAINTENANCE.

- It is the duty of the user to perform all the maintenance operations on the device listed below.
- In the event of a malfunction not indicated in this manual, disconnect the device from the power supply and consult your dealer and / or JONIX S.p.A.
- Only specialist personnel, previously trained and qualified, can carry out maintenance operations other than those specified in this manual.



For all maintenance operations it is good practice to use work gloves to protect your hands.

The frequency of the operations to be performed to ensure proper maintenance of the device JONIX **minimate** light H14 depends mainly on the quality of the treated air. Air can be especially harmful for device when it contains polluting or aggressive substances such as:

- Industrial flue gas
- Sale
- Chemical smoke
- Heavy powders



By coming into contact with the inside or outer surfaces of the device by means of the air flow or by direct exposure, these substances can lead to a structural and functional failure of the device and of its performance as time passes and without proper, systematic maintenance.

7.2 ROUTINE MAINTENANCE

The JONIX **minimate** light H14 device requires a small amount of maintenance which consists of checking and replacing the filters.

Filters do not need to be cleaned periodically but will need to be changed when they reach saturation. The device signals the need for maintenance by means of an alarm shown on the display (paragraph 6.8.9 "Alarm status notifications").

7.2.1 Replacing filters

The device JONIX minimate light H14 indicates the need to replace the filters at the bottom of the main screen with the following two possible indications:	 Pre-filter cleaning alert	---> OPTIONAL
	 Filter cleaning alert	



Replace the filters every time it is notified on the display.



ATTENTION!

When servicing the filters, pay particular attention to your fingers to avoid the risk of pinching.

Fig. 13: Switch the device off by turning the switch.
Remove the plug connected to the mains.

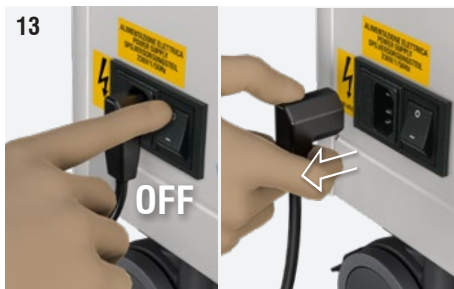


Fig. 14: Open the front maintenance access panel with the appropriate keys.

Type of filters:

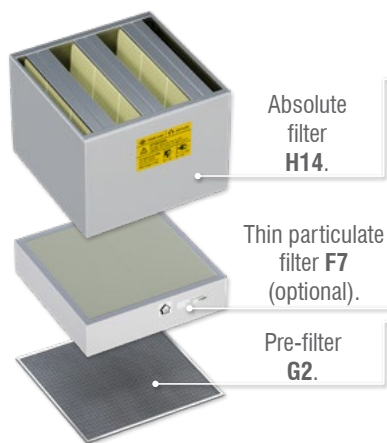


Fig. 15: Pull the filter locking tabs out and extract the dirty filters.



Fig. 16: Put the new / clean filters back in place. Push the filter locking tabs inwards until they click..

Make sure the rubber seal of the filter is facing down.

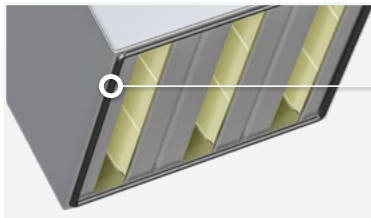


Fig. 17: Close the front maintenance access panel with the appropriate keys.

Check that the magnetothermic switches for disconnection of the fan power supply (Q1) and for disconnection of the auxiliary power supply (Q2) are in the ON position.



Fig. 18: Connect the power plug to the mains and switch on the device.



Check the operation of the device: the air flow generated by the fan will be perceived.

Record the maintenance operation performed using the display as described in paragraphs:

- 6.8.6.1 Pre-filter (optional) maintenance recording.
- 6.8.6.2 Filter maintenance recording.



Dirty filters must be disposed of in compliance with the instructions in chapter 9 "DISPOSAL" and in compliance with the regulations in force in the country of installation.

7.2.2 External cleaning of the device

Fig. 19: Clean the outside of the device with a damp cloth.



Do not use liquid cleaners, sprays, soap or other products directly on the device.



Pay particular attention to the air passage grilles: check that they are clean to ensure the passage of air.

7.3 SPECIAL MAINTENANCE



Any maintenance that does not fall within the operations described as routine maintenance must only be carried out by specialist personnel expressly authorised and trained by JONIX S.p.A..

8 - CHECKING OPERATION AND POSSIBLE FAULTS (DIAGNOSTICS)

This section summarises the most common problems that may arise when using the unit. Before contacting customer service, perform the checks described in the paragraph on diagnostics and check that there are no alarm signals (paragraph 6.8.10 "Alarm status notifications").

8.1 DIAGNOSTICS

PROBLEM	POSSIBLE CAUSE	SOLUTION
The display is off.	Lack of power to the device.	Make sure the device's power switch is pressed to the I position.
		Check that the electrical connection is correctly made.
		Check that the magnetothermic switches for fan power disconnection (Q1) and auxiliary power supply disconnection (Q2) are in the ON position.
		Check the integrity of the power cord.
		Check that power is present in the distribution mains.
There is no airflow but the display is on.	The fan is not powered.	Check that the magnetothermic switches for fan power disconnection (Q1) and auxiliary power supply disconnection (Q2) are in the ON position.
	Fan failure.	Contact the assistance centre.
An alarm notification appears on the main display screen: 	The filters are dirty and have not been replaced.	Follow the instructions in section 7.2 "ROUTINE MAINTENANCE".
	A condition is active that involves stopping of the fan.	See the instructions in paragraph 6.8 "USER INTERFACE AND NAVIGATION IN MENUS".
	The device detects an alarm on the affected component.	Check the indications of paragraph 6.8.10 "Alarm status notifications".
Fan DP alarm. The fan automatically goes to the maximum speed. (about 3000 mQ/h).	Speed regulation sensor fault.	Contact the assistance centre.

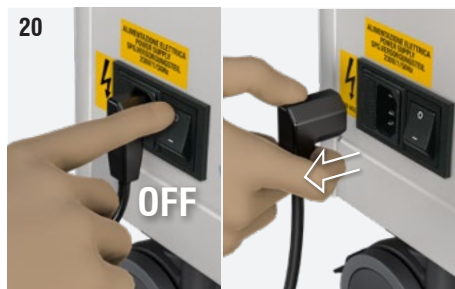
8.2 GENERAL DIAGNOSTIC PROVISIONS



If a malfunction other than that described above occurs, contact the Manufacturer or a Distributor and always quote the part number and serial number on the plate of the device.

Fig. 20: Disconnect the power supply to the device and contact JONIX S.p.A. or a dealer for assistance also when:

- the power cord is damaged or deteriorated;
- the power plug is damaged or deteriorated;
- water or liquid has been spilled on the appliance.
- a malfunction persists even though all the procedures described in this use and maintenance manual have been carried out correctly.



9 - DISPOSAL

A fine utilizzo, i dispositivi JONIX andranno smaltiti in osservanza delle normative vigenti nel paese d'installazione. I materiali che compongono i dispositivi sono:

- Galvanised / painted steel.
- Aluminium.
- Glass.
- Nylon.
- Plastic.
- Paper and Cardboard.
- Wood.
- EPS (sintered expanded polystyrene).
- Copper.



MANAGEMENT OF WASTE ELECTRICAL AND ELECTRONIC EQUIPMENT

This product falls within the scope of Directive 2012/19/EU on the management of waste electrical and electronic equipment (WEEE). The appliance must not be disposed of with household waste as it consists of various materials that can be recycled at appropriate facilities. Inform yourself through your local authority as to the location of the ecological platforms for receiving the product for disposal and its subsequent proper recycling. The product is not potentially dangerous for human health and the environment, as it does not contain harmful substances as per Directive 2011/65/EU (RoHS), but if left in the environment it has a negative impact on the ecosystem. Read the instructions carefully before using the unit for the first time.

It is recommended that the product should not be used for any other purpose than that for which it was intended, as there is a risk of electric shock if used improperly.

DISPOSAL OF FILTERS

The filters are not washable and are not recyclable. For the replacement procedure, refer to paragraph 7.2.1 "REPLACING THE FILTERS". The filters must be disposed of in unsorted municipal waste or according to the requirements of the regulations of the country of installation.

NOTES

jonixair.com

JONIX Spa
Società Benefit

info@jonixair.com
jonixsrl@legalmail.it



Sede Legale

Viale Spagna 31/33
35020 Tribano (PD) - Italia
Tel. +39 049 9588511
Fax +39 049 9588522

Sede Operativa

Via dell'Artigianato, 1
35020 San Pietro Viminario
(PD) - Italia
Tel. +39 0429 760311

**Sede Ricerca
e Sviluppo**

Via Tegulaia 10/b
56121 Pisa - Italia
Tel. +39 050 985165