JONIX
pure living

minimate plus

USE AND MAINTENANCE MANUAL

AIR PURIFICATION AND AIR SANITIZATION DEVICE
ACTIVE SANITISATION OF INTERNAL COMPONENTS
WITH ADVANCED COLD PLASMA TECHNOLOGY

TABLE OF CONTENTS

Thank you purchasing the JONIX minimate plus 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 plus. 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.

Fabbricante / Manufacturer	JONIX S.p.A. S.B. Viale Spagna, 31/33 35020 Tribano (PD)
Nome del prodotto / Product name	JONIX minimate plus
Descrizione del prodotto / Product description	Dispositivo per la sanificazione / purificazione dell'aria
Codice prodotto / Model	REF [illegible]3F1H13
Numero di serie / Serial number	SN [illegible]000300029704
Caratteristiche elettriche Alimentazione / Power Supply	230V / 1~ / 50Hz
Potenza nominale Assorbita / Power Consumption (W)	580
Corrente nominale / Rated current ampere (A)	2,5
Dimensioni (LxPxH) [mm]	560x460x1060
Peso (kg)	71
Anno di costruzione	2021

IMPORTANT WARNING

The JONIX minimate plus 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 JONIX S.p.A. directly.

JONIX S.p.A. Benefit Corporation
Viale Spagna 31/33
35020 Tribano - 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.

NON THERMAL PLASMA GENERATOR NTP (Non Thermal Plasma) or IONIZING TUBE
Electric field generator that transforms gas into plasma with high chemical oxidation power able to oxidize and break down pollutants, bacteria, moulds, viruses and odours.

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. In case of damage or loss, request another copy from JONIX S.p.A. or download the document from www.jonixair.com.

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.
- Clean the ionising tubes every time it is shown on the display.
- Do not put back the mesh on the ionising tube if it is even partially wet.
- Check that the earthing spring is in contact with the outer mesh once the ionising tube have been screwed back into place. Otherwise contact the manufacturer.
- 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

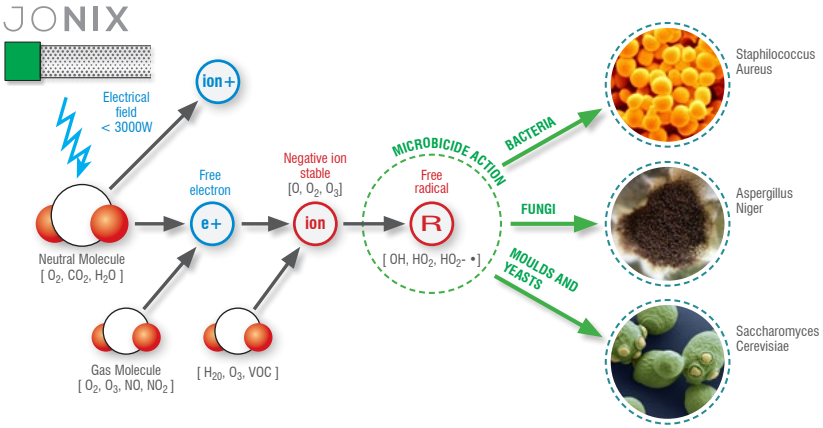
Check the condition of the safety pictograms periodically and replace them if necessary. The safety signs on the machine are as follows:

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

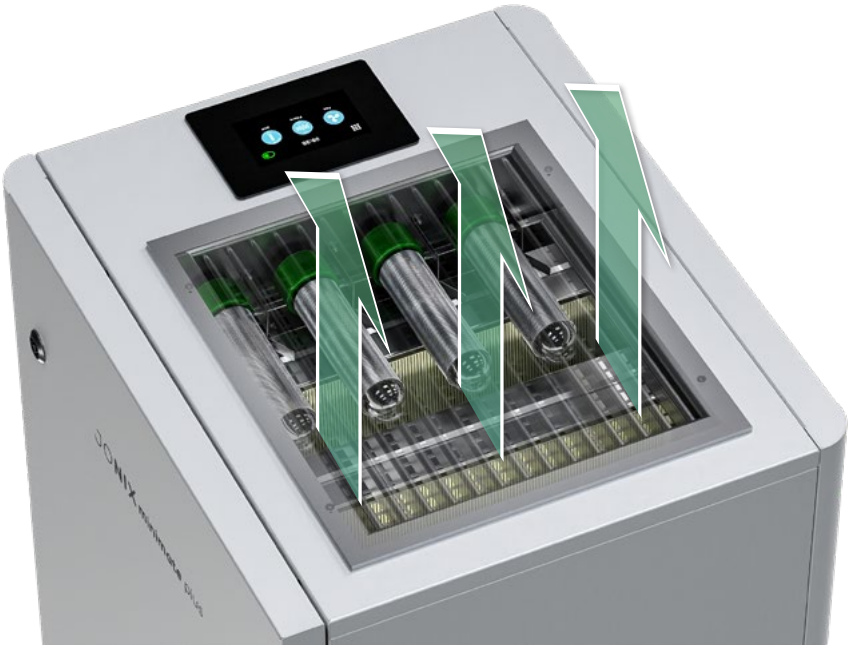
The range JO**NIX minimate** consists of a variety of models to satisfy all air purification needs. Immediately operational, it does not require any complex operation for its installation. Compact, portable and silent, JO**NIX minimate** plus is equipped with an advanced control system that allows adjustment of the ventilation for a quick and effective response to the need for filtration and particulate reduction and removal.

This sanitizing device, exploiting the physical phenomenon of ionization, promotes the controlled formation of particular electrically charged species in the air through an electrostatic field. The latter simulates a natural process that normally occurs through solar radiation, mechanically or by other physical phenomena.
The particular ionic species produced are proven to be particularly effective as sanitizing agents in air and on surfaces, moreover they are scientifically and historically proven to be beneficial on people, especially the negatively electrically charged species (i.e. those derived from single or small groups of molecules receiving an electron).



JO**NIX minimate** plus:
- constantly reduces and eliminates bacterial loads in the air and on indoor surfaces;
- constantly decomposes volatile organic compounds (VOCs);
- it eliminates odours;
- is suitable for environments that need to reduce air contamination.

The device JO**NIX minimate** plus is equipped with two filtration stages. The medium filter F7 combined with the absolute filter H13 or H14 allow the reduction of airborne fine dusts and to ensure a very high degree of filtration.
The device involves the use of non-thermal plasma technology for air sanitization out of the device. In this way the ionizing charge developed allows the maximum sanitizing and purifying action of the ambient air.
The JO**NIX minimate** plus also combines filtration with non-thermal plasma technology for sanitisation of the internal components of devices.



The activity of air purification and sanitisation of the internal components of the JO**NIX minimate** plus device is compatible with the presence of persons and animals. No chemicals are used and no harmful residual substances are generated.

4 - TECHNICAL DATA JONIX minimate plus

Fig. 1

4.1 COMPONENT DESCRIPTION JONIX minimate plus

1 Display Touch screen
2 Flat Plug Power Socket Inlets with On/Off Rocker Switch
3 Power cable
4 Swivel casters with brake
5 Pressure outlets
6 Maintenance access front panel closures
7 Key to access the front panel
8 Maintenance access door
9 Filter fixing brackets
10 Magnetothermic switches for fan power supply disconnection (Q1) and auxiliary power supply disconnection (Q2)
11 Access door opening switch button for maintenance
12 Air delivery grille
13 Absolute filter H13 or H14
14 Centrifugal fun
15 Front panel for access to the fan
16 Thin particulate filter F7
17 Lower suction grille
18 1 ionising pipe ground securing bracket
19 1 ionising pipe for sanitisation of the elements inside the device
20 4 ionizing tubes for air sanitization
21 4 grounding brackets for ionizing tubes
22 G2 prefilter

4.1.1 Technical features JONIX minimate plus

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 plus	560 x 480 x 1060	230 V / 1~ / 50Hz	460	70	1200	IP40

(*): Default settings.

4.1.2 Spare parts available on order

Code	Description	Notes
JX70000006	F7 Filter	-
JX70000016	H13 Filter	For product with code 70MMBASICF H13.
JX70000017	H14 Filter	For product with code 70MMBASICF H14.
JX70000027	G2 prefilter	-
70CONDTIPO175	175 IONISING PIPE REPLACEMENT	No. 1 175 ionising pipe.
71KT000002	Kit 2 generators type 175 (*)	No. 2 ionizing tubes of 175.
JX55000118	KEY TO OPEN THE ACCESS MAINTENANCE DOOR	-

(*): To replace the 4 ionizing tubes for air sanitization, order 2 kits code 71KT000002.

5 - RECEPTION, TRANSPORT AND STORAGE

5.1 PACKAGING

The JONIX **minimate** plus 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** plus.
- no. 1 ionising pipe (for sanitisation of the internal elements) and no. 4 ionizing tubes (for air sanitization).
- Power cord.
- 2 keys for opening of the front access panel for maintenance.
- Operating and maintenance manual.
- Declaration of CE Conformity.
- Warranty Terms and Conditions.

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

JO**NIX** 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

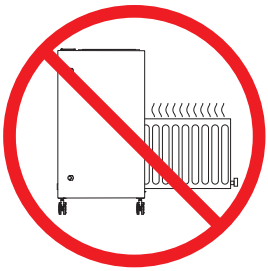
- The device must be installed in strict accordance with the instructions contained in this manual.
- While performing installation, operate in full safety and in a clean environment clear of obstructions.
- **Before switching the device on check the integrity of the various components and of the electrical 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 JO**NIX** 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 JO**NIX** S.p.A..
- Spare parts must meet the requirements defined by JO**NIX** 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.

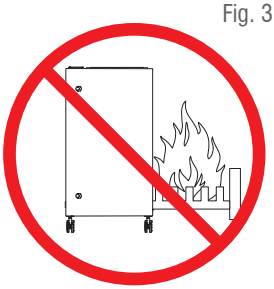
- Disconnect the device from the power supply and contact JONIX S.p.A. or a dealer for service when any of the following cases occur:
  - the internal parts of the device have come into contact with water or other liquids of any kind;
  - a malfunction persists despite all the installation and/or maintenance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

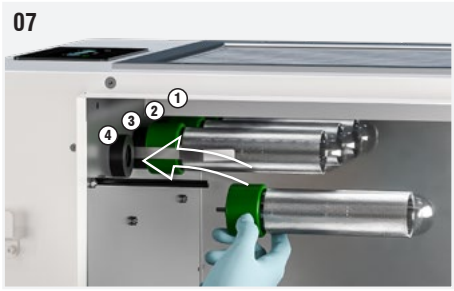
Handle the ionising pipe carefully as it is fragile.

Fig. 6: Pull out the top filter for allow ample maneuverability in the fixing operations of ionizing tubes.

Note: to remove the filter, follow the directions on the label:

Fig. 7: Gently screw the tubes ionizing by grasping them at the base (part green). If the operation is difficult to perform, pull slightly the earthing spring so that it is not in contact with the surface of the tube.

To simplify operations, it is advisable to start with the tube in the plus position backward (①).



ATTENTION: do not overtighten the screw after reaching its end stop.

Check that the earthing spring is in contact with the outer mesh once the ionising tubes have been screwed back into place. Otherwise contact the manufacturer.

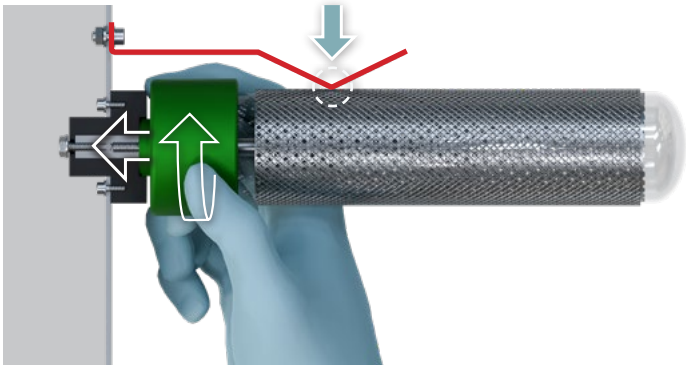


Fig. 8: Put back the upper filter, making sure the gasket in tire is facing down.

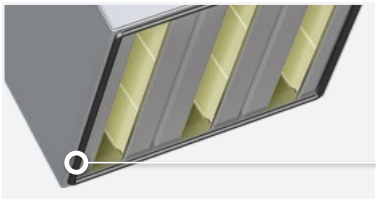


Fig. 9: Remove the panel that protects the fan by unscrewing the retaining screws

Fig. 10: Gently tighten the ionising pipe by gripping it at the base (green part), positioning it in its seat above the fan.
If the operation is difficult to perform, pull slightly the earthing spring so that it is not in contact with the surface of the tube.

ATTENTION: do not overtighten the screw after reaching its end stop.

Check that the earthing spring is in contact with the outer mesh once the ionising tubes have been screwed back into place. Otherwise contact the manufacturer.

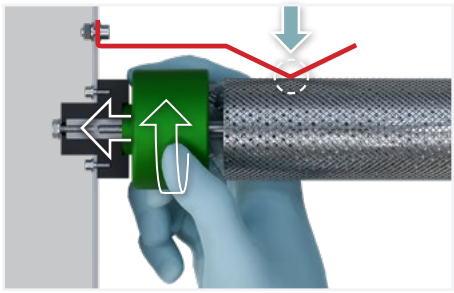


Fig. 11: Reposition the panel that protects the fan using the retaining screws.

Fig. 12: 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. 13: 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. 14: The device JO**NIX minimate** plus 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.

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- 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. 15: Position of the operator for maintenance operations.

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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 plus 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 plus 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. 16: Connect the device to the mains using the power cable provided.

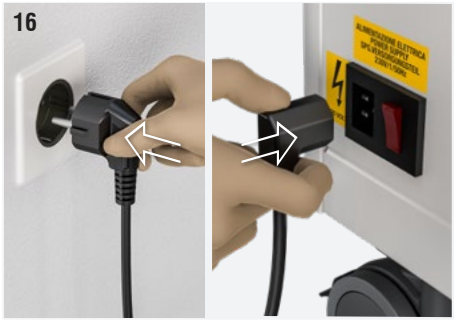


Fig. 17: In order to turn on the device move the red switch up.
The switch lights up, indicating that the device is on.

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:

Air flow rate (m^3/h)	No. of ionising modules on
1200	4

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 JONIX minimate plus 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;
- check that you can hear the slight sizzle of the ionizing tube.

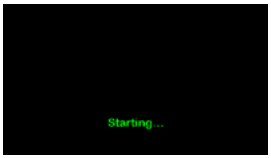
Repeat the checks carried out at the first start-up even after each extended shutdown period and after maintenance.

6.8 USER INTERFACE AND MENU NAVIGATION

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

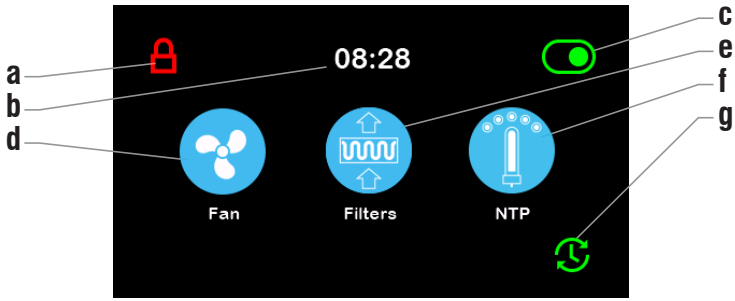
6.8.1 Display start-up screen

When the device starts up successfully these screens will appear:



6.8.2 Main screen

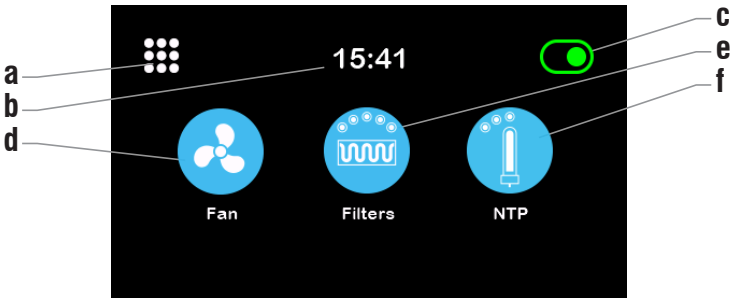
It allows to check quickly the device status and to modify its operation mode. The various icons create a shortcut to other screens where the user can check the status of every single component in a more detailed way and its own personalization as needed.
Example 1: Main screen with device ON, display locked, active time bands.



In the main screen are reported this information:

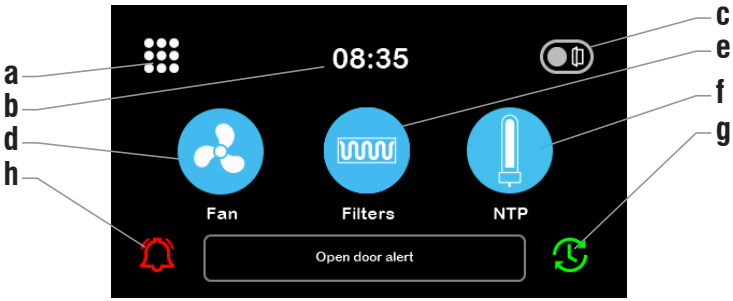
a) **Lock screen button**: it is possible to lock the screen of the device. With the screen locked, it is not possible to perform any actions without first entering the password. When the screen is released, the settings button is displayed as in example 2.
b) **Time:** indicates the time set.
c) **On/Off:** it allows to change the operating status of the device.
d) **Fan:** allows access to the fan menu.
e) **Filters:** allows access to the filters menu.
f) **NTP:** allows access to the ionizers menu.
g) **Active time slots:** it indicates that the time slots are active. If the time slots are not active, the icon is not present as in example 2.

Example 2: Main screen with device ON, display unlocked, time slots not active, sanitisation cycle active:



a) **Settings**.
b) **Time:** indicates the time set.
c) **On/Off:** it allows to change the operating status of the device.
d) **Fan:** allows access to the fan menu.
e) **Filters with sanitisation cycle active:** allows access to the filters menu.
f) **NTP with sanitisation cycle active:** allows access to the ionizers menu.

Example 3: Main screen with device ON, display released, active time slots, presence of an alarm:



a) **Settings**.
b) **Time:** indicates the time set.
c) **On/Off:** it allows to change the operating status of the device.
d) **Fan:** allows access to the fan menu.
e) **Filters:** allows access to the filters menu.
f) **NTP:** allows access to the ionizers menu.
g) **Active time slots:** it indicates that the time slots are active. If the time slots are not active, the icon is not present as in example 2:
h) **Alarm present:** the bell symbol and the associated description indicate that the device is OFF due to an alarm.

For information on the meanings of the symbols, on the device settings and on the alarm status, read the following paragraphs carefully. Keep this manual for future reference.

6.8.3 Display standby

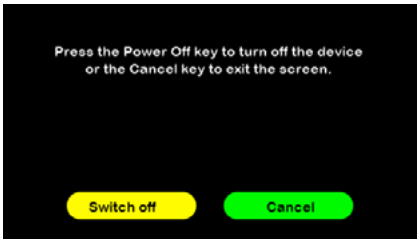
After 10 minutes of inactivity, the display locks automatically and the standby screen appears. To release the screen, tap it and follow the instructions indicated in para. 6.8.5 - Screen release and settings.

6.8.4 Switching the device on/off

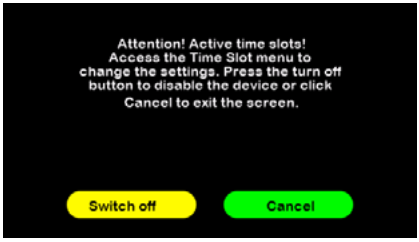
On the main screen, the top right symbol marked with (C) is used to intuitively identify the status of the device as indicated in the table.

(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.
	The device is turned OFF due to an alarm.

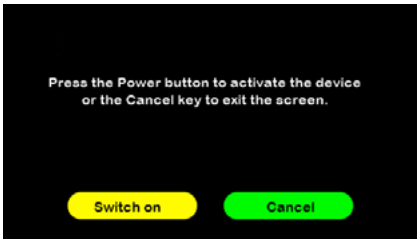
If the device is , pressing will result in confirmation being prompted with this message:



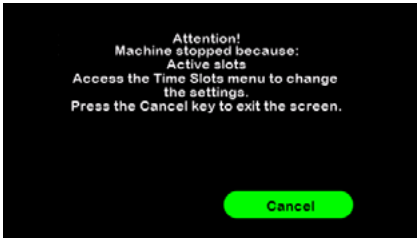
If the device is with the time slots active pressing will result in confirmation being prompted with this message:



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

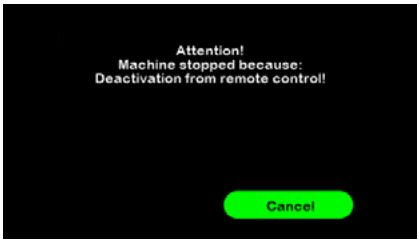


If the device is pressing will result in this message being displayed:



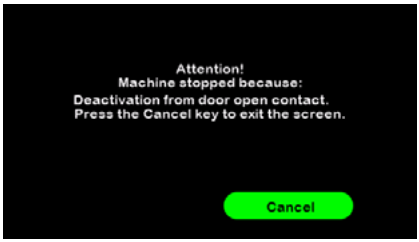
If the device is pressing will result in this message being displayed:

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



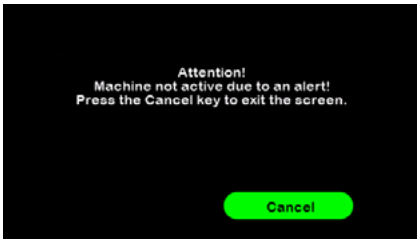
If the device is pressing will result in this message being displayed:

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

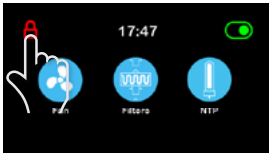


If the device is pressing will result in this message being displayed:

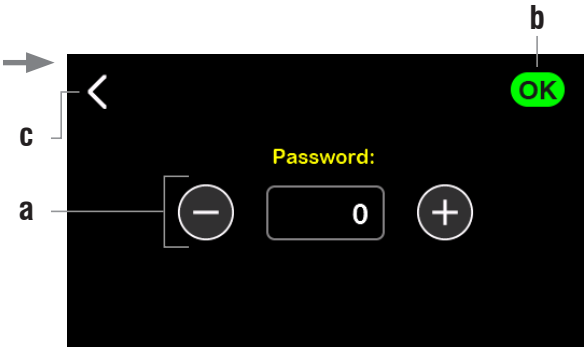
To reactivate the device, close the front panel for maintenance.



6.8.5 Screen lock and settings

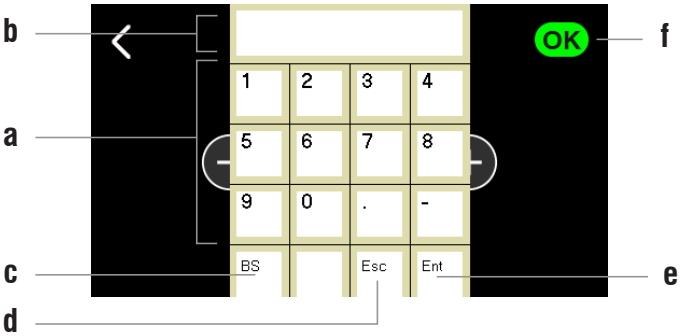


To release the display, press the key 🔒 in the main screen in the top left. The device prompts for the user password.



a) **Password entry:** using the "-" and "+" keys it is possible to set the value of the password to be entered (from 0 to 999999).
b) **OK:** confirm the entered password by pressing this key.
c) **<:** to return to the previous screen.

NOTE: the password can also be entered via a numeric keypad. Press inside the central box with numbers to view it.



a) **Numeric keypad:** enter the password by pressing the numbers on the keypad.
b) **Keypad display:** the numbers entered appear.
c) **BS (BackSpace):** key to delete one or more of the digits entered.
d) **Esc:** key to close the numeric keypad without confirming.
e) **Ent (Enter):** key to confirm password entry. When this key is pressed, the numeric keypad closes.
f) **OK:** confirm the entered password by pressing this key.

If the password is incorrect, the corresponding message appears. Wait a few seconds, the message disappears and it is possible to return to the password entry screen.

USER PASSWORD = 100
MAINTENANCE TECHNICIAN PASSWORD = 118

The passwords cannot be changed. The passwords must only be distributed to personnel authorised to carry out the corresponding operations.

6.8.6 User and maintenance technician login/logout

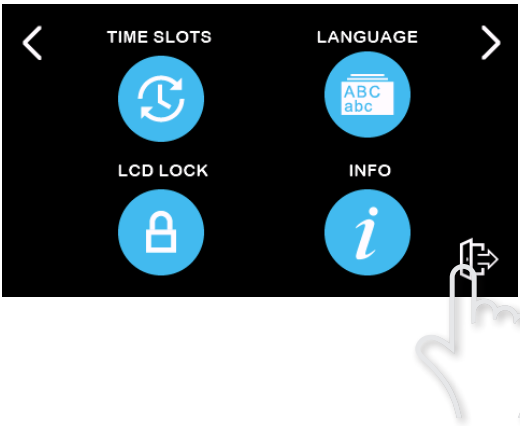
To make the device settings, it is necessary to log in to the USER, that is, type in the password to be able to use some or all of the functions.

The USER LOGIN is always required to:
- lock / unlock the screen (paragraph 6.8.3 Screen lock and settings);
- access to the filter sanitisation cycle setting screen (paragraph 6.8.9);
- access the TIME SLOTS menu (paragraph 6.8.10.1);
- access to the LCD LOCK menu (paragraph 6.8.10.3).

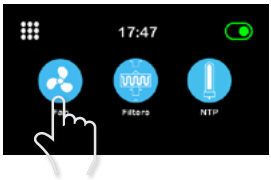
The MAINTENANCE TECHNICIAN LOGIN is always required for:
- access to the menus RESERVED FOR THE MAINTENANCE TECHNICIAN (paragraph 6.8.10.5);
- Access to the RECORDING OF FILTER AND IONISER MAINTENANCE EVENTS (paragraph 6.8.11);
- Access to the sections reserved for the maintenance technician marked with the wrench logo.

From when the password is entered, the USER or MAINTENANCE TECHNICIAN login lasts 10 minutes. Once this time has elapsed, the device will automatically perform the LOGOUT and, changing screen, will ask for the password again to proceed with the settings.

To perform the USER LOGOUT at any time, press the key that appears in the bottom right of the settings screen (paragraph 6.8.10).

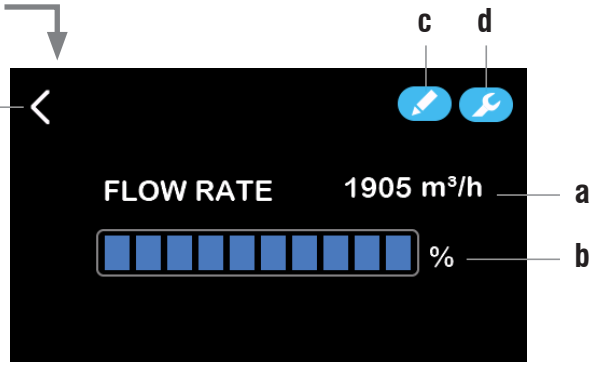


6.8.7 Fan screen

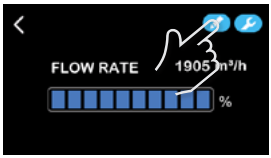


On the main screen, press the "fan" logo to access the fan detail screen:

It displays the status of the fan in detail and allows its operation to be adjusted according to the user's requirements.



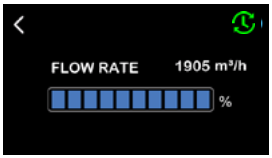
a) **Current air flow in m³/h:** it displays the measured value in real time in m³/h.
b) **Current air flow %:** it displays the value measured in real time in % of the maximum permitted speed.
c) **Key to set the range (pencil):** it allows the user to access the screen to set the air flow. Furthermore,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



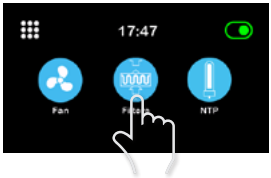
Press the logo to access the airflow setting screen:

a) **Air flow rate set:** through the buttons "-" and "+" the flow rate can be set with an increasing / decreasing step of 100 m³/h.
b) **< :** to return to the previous screen.

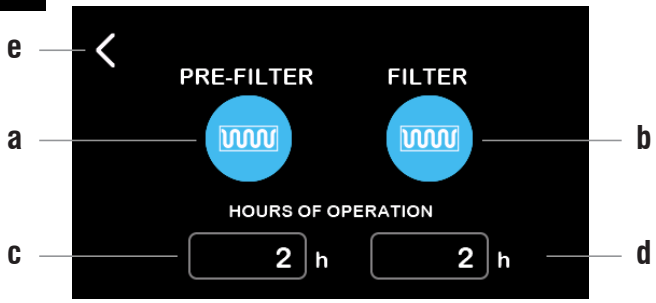
Attention: when the time slots are activated, the air flow cannot be changed and the icon is present within the fan screen. To change the airflow setting, disable time slots.



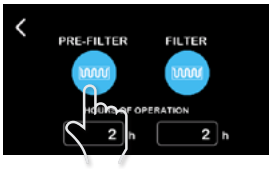
6.8.8 Filters screen



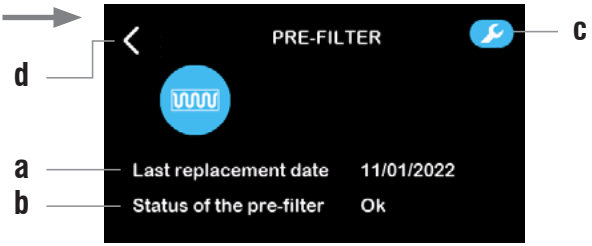
On the main screen, press the "filters" logo to access the fan detail screen:



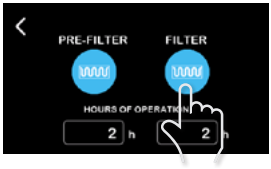
a) **Pre-filter:** allows access to the screen of the fine particulate filter.
b) **Filter:** allows access to the screen of the absolute filter.
c) **Hours of Pre-filter operation:** time in hours (h) of operation with fan on of the fine particulate filter.
d) **Hours of Filter operation:** time in hours (h) of operation with fan on of the absolute filter.
e) **< :** to return to the main screen.



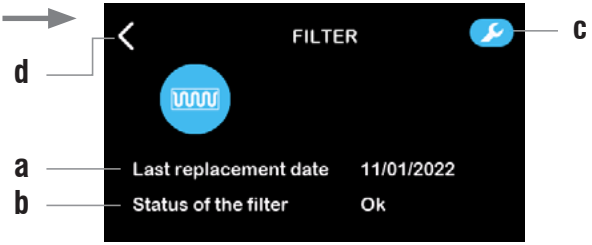
Press the "PRE-FILTER" logo to access the screen with information on the fine particulate filter:



a) **Last replacement date:** the date of the last filter replacement is displayed.
b) **Pre-filter status:** the pre-filter status is displayed. If the filter is not dirty, this message appears: **Ok**. If the filter is dirty, this message appears: **Replace**.
c) **Maintenance technician key (wrench):** section reserved for the maintenance technician. When this key is pressed, a prompt appears to enter the maintenance technician password.
d) **<:** to return to the previous screen.



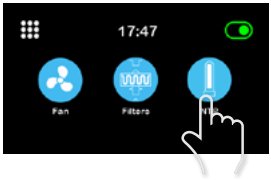
Press the "FILTER" logo to access the screen with information on the absolute filter:



a) **Last replacement date:** the date of the last filter replacement is displayed.
b) **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**.
c) **Maintenance technician key (wrench):** section reserved for the maintenance technician. When this key is pressed, a prompt appears to enter the maintenance technician password.
d) **<:** to return to the previous screen.

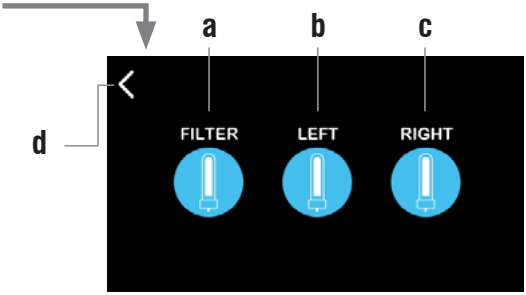
Note: if the filters were installed by the manufacturer, the last replacement date will be 00/00/0000.

6.8.9 Ionising modules screen

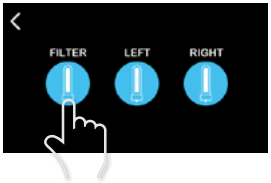


On the main screen, press the “Ioniser” logo to access the screen with the detail of the ionising modules:

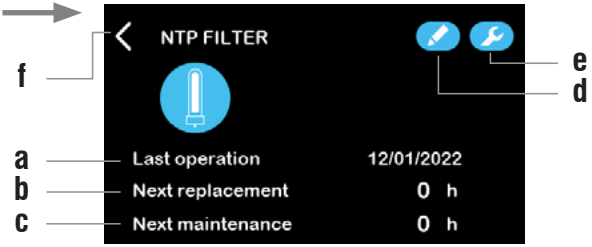
It displays the status of the modules in detail and allows them to be managed independently, according to the user's requirements.



a) **Ioniser Filter:** it allows access to the screen with the information of the ionising filter module.
b) **SX:** it allows access to the screen with the information of the air ionising module on the left.
c) **DX:** it allows access to the screen with the information of the air ionising module on the right.
e) **< :** to return to the main screen.

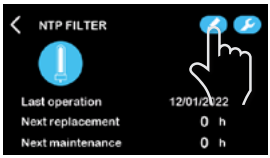


Press one of the logo to access the screen with information on the selected ionizing module:

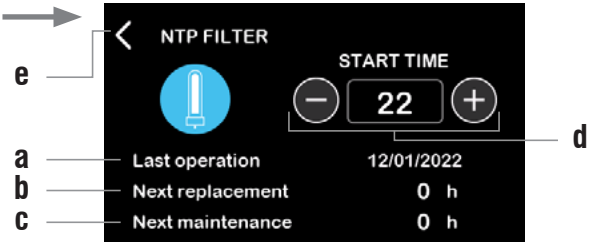


a) **Last intervention:** date on which the last maintenance operation was recorded.
b) **Next replacement (hours):** hours left to replace the ionising tube.
c) **Next maintenance (hours):** hours until cleaning of the ionising tube.
d) **Sanitisation time set key (pencil):** it allows the user to access the screen to set the activation time of the sanitisation cycle. When this key is pressed, the user password is requested.
e) **Key for the maintenance technician (wrench):** section reserved for the maintenance technician to record the cleaning or maintenance of the ioniser. When this key is pressed, a prompt appears to enter the maintenance technician password
f) **<:** to return to the previous screen.

Note: if it is the first installation of the ionisers, the date of the last intervention will be 00/00/0000.

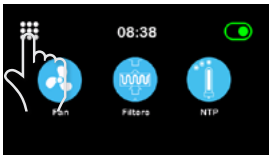


Press the logo to access the screen for the activation time set for the sanitisation cycle of the selected ionising module. The user password is requested:



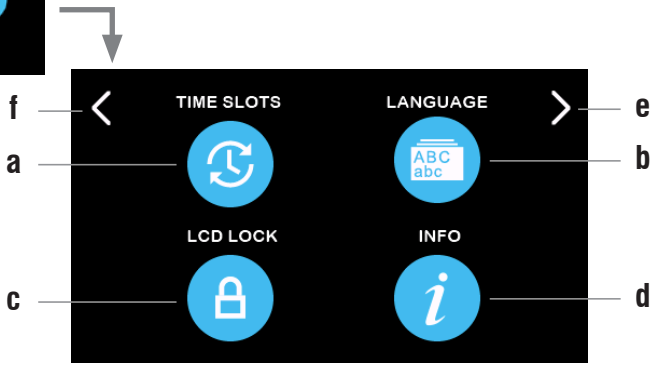
a) **Last intervention:** date on which the last maintenance operation was recorded.
b) **Next replacement (hours):** hours left to replace the ionising tube.
c) **Next maintenance (hours):** hours until cleaning of the ionising tube.
d) **Activation time of the sanitisation cycle:** the factory setting is 22:00. Using the "-" and "+" keys it is possible to modify the set time.
e) **<:** to return to the previous screen.

6.8.10 Settings screen



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

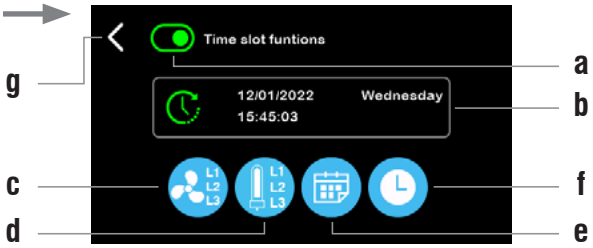
In each screen it is possible to return to the previous one by pressing <.



a) **Time slots** (paragraph 6.8.10.1).
b) **Language** (paragraph 6.8.10.2).
c) **Screen lock** (paragraph 6.8.10.3).
d) **Info** (paragraph 6.8.10.4).
e) **Menu reserved for the maintenance technician** (paragraph 6.8.10.5).
f) **< :** to return to the main screen.

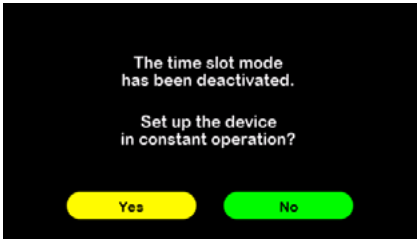
6.8.10.1 Time slots

On the “Settings” screen, press the logo to navigate in the corresponding menu and to set the time slots for autonomous operation of the device:

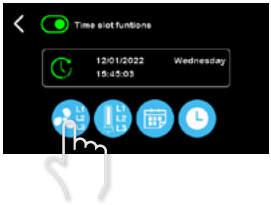


a) **Activation/deactivation of time slots**.
b) **Date/Time/Day of the week**.
c) **Setting ventilation levels L1, L2 and L3:** it is used to access the screen to set the ventilation levels that can be used in the set of time slots.
d) **Impostazione livelli ionisation L1, L2 and L3:** it is used to access the screen to set the ionisation levels that can be used in the set of time slots.
e) **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.
f) **Date and time settings:** it is used to access the screen to set the date and time.
g) **<:** to return to the previous screen.

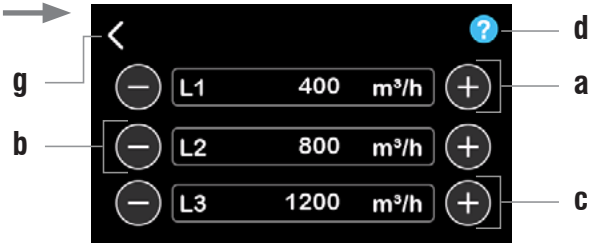
When the time zone mode is deactivated, the device requests permission to set continuous operation.
Press YES to confirm and NO to turn off the device.



6.8.10.1.1 Time slots - ventilation levels



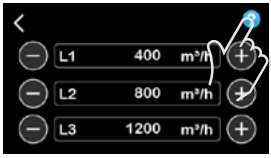
On the "time slots" screen, press the logo to navigate to the corresponding menu and to set the ventilation levels:



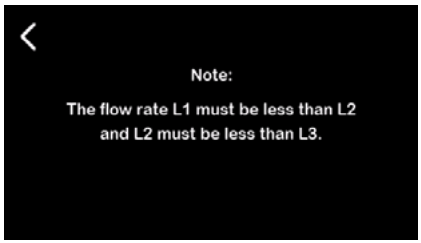
a) **L1:** using the "-" and "+" keys it allows selection, with a step of 100 m³/h, the first level available in the SET of the time slots. The value of this field must be between the minimum value defined by the manufacturer and and lower than the value of the level selected for L2.
b) **L2:** using 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 L1 and less than the value of the level selected for L3.
c) **L3:** 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 L2 and less than the maximum value defined by the manufacturer.

MIN m³/h <= L1 < L2 < L3 <= MAX m³/h

d) **?:** it is used to view the information note on how to set the L1 - L2 - L3 values.
e) **<:** to return to the previous screen, saving any changes made.

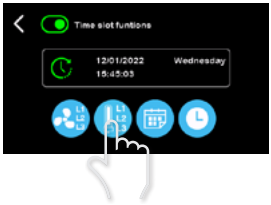


Press the logo to view the information note on how to set the L1 - L2 - L3 values:

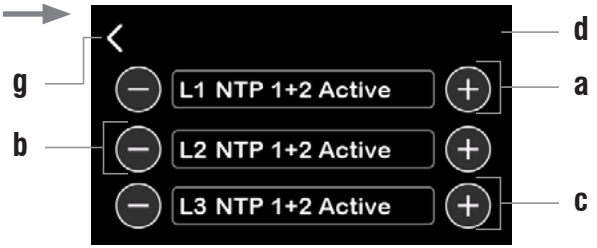


In each screen it is possible to return to the previous one by pressing <.

6.8.10.1.2 Time slots - air ionisation levels

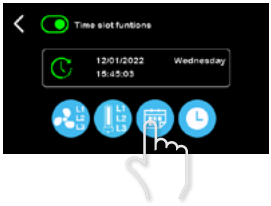


On the "time slots" screen, press the logo to navigate to the corresponding menu and to set the air ionisation levels:



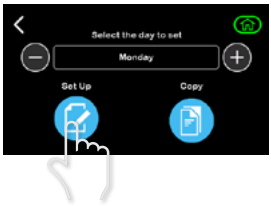
a) **L1:** using the "-" and "+" keys it allows selection at level L1 of which air ionisers to activate.
b) **L2:** using the "-" and "+" keys it allows selection at level L2 of which air ionisers to activate.
c) **L3:** using the "-" and "+" keys it allows selection at level L3 of which air ionisers to activate.
d) **<:** to return to the previous screen, saving any changes made.
The options are as follows:
1) **NTP Off:** right ioniser and left ioniser off.
2) **NTP 1 Active:** only the right ioniser is activated.
3) **NTP 2 Active:** only the left ioniser is activated.
4) **NTP 1 and 2 Active:** right ioniser and left ioniser activated.

6.8.10.1.3 Time slots - scheduler

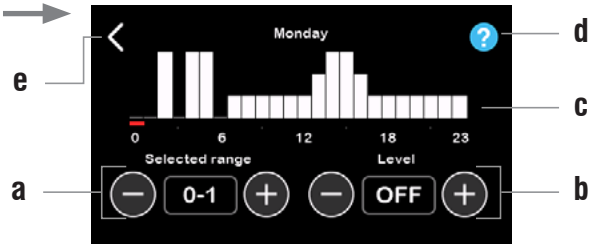


On the "time slots" screen, press the logo to navigate to the corresponding menu and set the day schedule:

a) **Selection of the day:** using the "-" and "+" keys, it it is used to select the day of the week for which the time slots are to be set.
b) **Set:** the screen for setting of the time slots for the selected day is accessed.
c) **Copy:** access is provided the screen to copy the settings of the time slots of the selected day to another day.
d) **Home:** to return to the main screen.
e) **<:** to return to the previous screen.

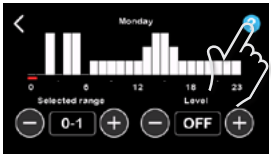


On the "scheduler" screen, press the logo to navigate to the corresponding menu and to set the time slots for the selected day:

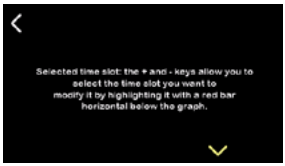


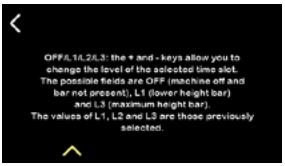
a) **Selected range:** using the "-" and "+" keys, it is possible to select the time slot to be modified. The values in this field range from 0-1 to 23-0. The selected slot is highlighted with a horizontal red bar under the graph.
b) **OFF/L1/L2/L3:** using the "-" and "+" keys it is possible to modify the level of the selected time slot. The possible fields are:
OFF for device switched off;
L1, L2, L3 whose values have been set in the "ventilation levels" screen and in the "air ionisation levels" screen.
c) **Graph:** display of the time slots of the selected day. The selected level is graphically represented in the selected slot with a vertical white bar of different heights:
OFF bar not present;
L1 minimum bar;
L2 medium bar;
L3 maximum bar.
d) ?: it is used to view the information note on the setting mode.
e) **<:** to return to the previous screen, saving any changes made.

There may be a delay of 2 minutes with respect to the scheduled intervention time to allow the device to activate the set configuration.

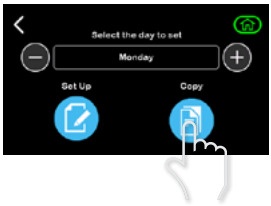


Press the logo to view the information note on the setting mode:





Use the keys ^ v to move from one screen to another.



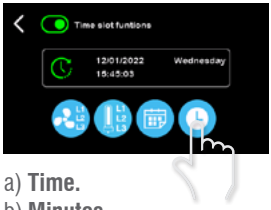
On the "scheduler" screen, press the logo to navigate to the corresponding menu and copy the time slots:

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 (a).
c) **OK:** to confirm the copy of the schedule from one day to another. After being pressed, the button disappears and reappears when you (a) or (b) are changed.
d) **<:** to return to the previous screen.

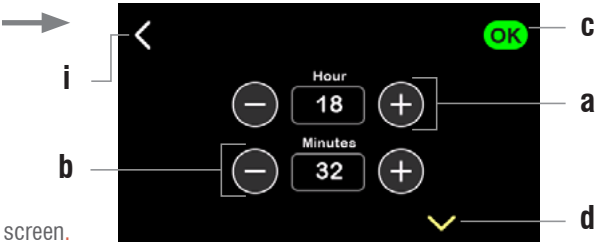
It is possible to copy the slots on only one day at a time. To copy over several days, it is necessary to repeat the operation as many times as there are days in which the slots are to be copied.

It is necessary to save by pressing OK before changing the day or leaving the "copy" screen. Otherwise all the changes made will be lost.

6.8.10.1.4 Time slots - device date and time setting

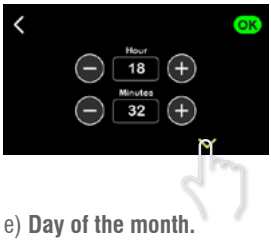


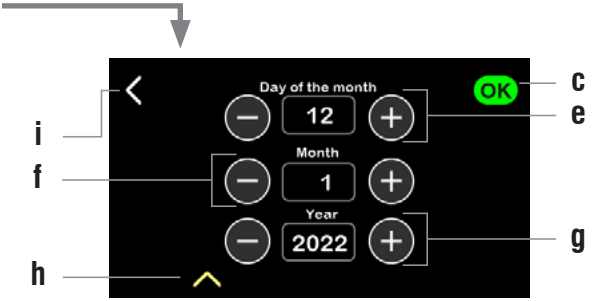
On the "time slots" screen, press the logo to navigate to the corresponding menu and set the date and time of the device:



a) **Time.**
b) **Minutes.**
c) **OK:** to save the settings.
d) **∨ :** to move to the next screen.
i) **< :** to return to the previous screen.

It is necessary to save by pressing OK.



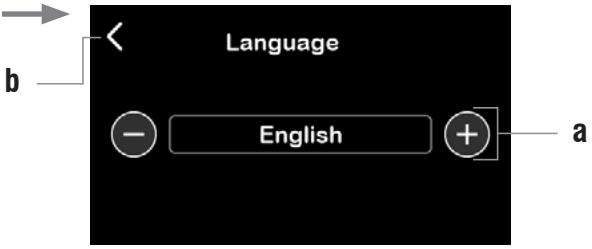


e) **Day of the month.**
f) **Month.**
g) **Year.**
h) **^ :** to move to the previous screen.
i) **< :** to return to the previous screen.

It is necessary to save by pressing OK.

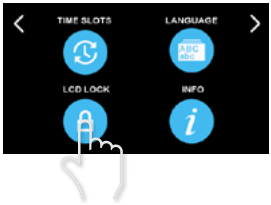
6.8.10.2 Language

On the "Settings" screen, press the logo to navigate in the corresponding menu and change the language in which the texts are shown on the display:

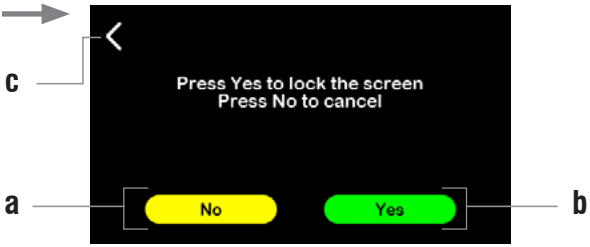


a) **Language selection:** using the "-" and "+" keys it is possible to select the desired language from those available.
b) **<:** to return to the previous screen saving any changes made.

6.8.10.3 Screen lock

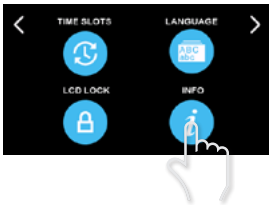


On the "Settings" screen, press the logo to navigate within the corresponding menu and to lock the screen by entering the user password:



a) **No:** to return to the “Settings” screen.
b) **Si:** to lock the screen. Entering the password is required if login has not been performed in the previous 10 minutes.
c) **<:** to return to the previous screen.

6.8.10.4 Info

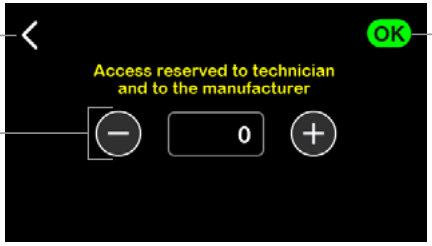


On the "Settings" screen, press the logo to navigate to the corresponding menu and to view the information:

a) **Contact for assistance:** e-mail address for assistance.
b) **Display version:** identification code of the display version.
c) **Display code:** display identification code.
d) **Board version:** board identification code.
e) **Home:** to return to the main screen.
f) **<:** to return to the previous screen.

6.8.10.5 Menu reserved for the maintenance technician

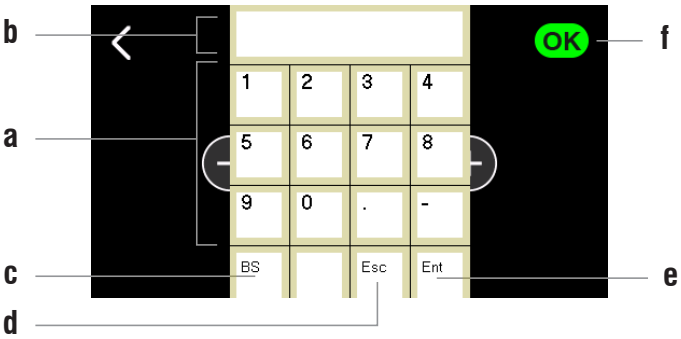
On the "Settings" screen, press the logo > to navigate the menu reserved for the maintenance technician:



Access is only possible with the maintenance technician password.

a) **Entering of password:** using the "-" and "+" keys it is possible to set the value of the password (from 0 to 999999).
b) **OK:** confirm the entered password by pressing this key.
c) **<:** to return to the previous screen.

NOTE: the password can also be entered via a numeric keypad. Press inside the central box with numbers to view it.

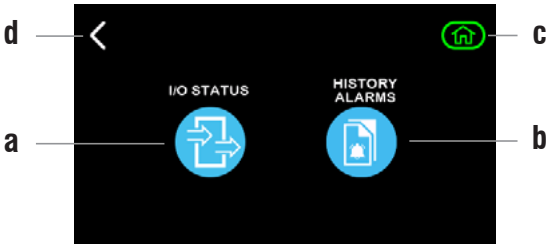


a) **Numeric keypad:** enter the password by pressing the numbers on the keypad.
b) **Keypad display:** the numbers entered appear.
c) **BS (BackSpace):** key to delete one or more of the digits entered.
d) **Esc:** key to close the numeric keypad without confirming.
e) **Ent (Enter):** key to confirm password entry. When this key is pressed, the numeric keypad closes.
f) **OK:** confirm the entered password by pressing this key.

If the password is incorrect, the corresponding message appears. Wait a few seconds, the message disappears and it is possible to return to the password entry screen.

MAINTENANCE TECHNICIAN PASSWORD = 118

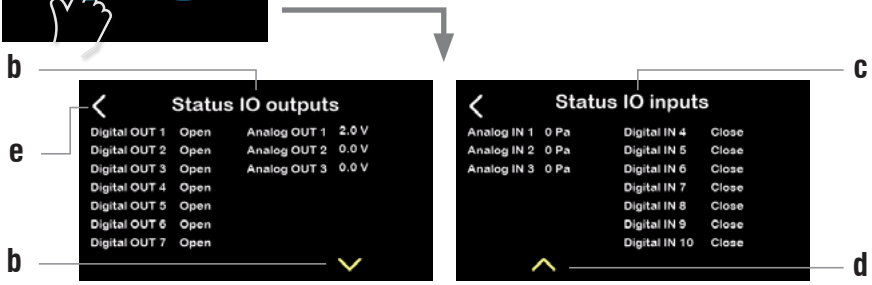
Once logged in with the maintenance password, it is possible to access the reserved menu:



a) **I/O status:** it is used to view the status of the inputs and outputs of the device.
b) **Alarm history:** it is used to view the alarms present in the device.
c) **Home:** to return to the main screen.
d) **<:** to return to the previous screen.

6.8.10.5.1 Menu reserved for the maintenance technician - device inputs and outputs status

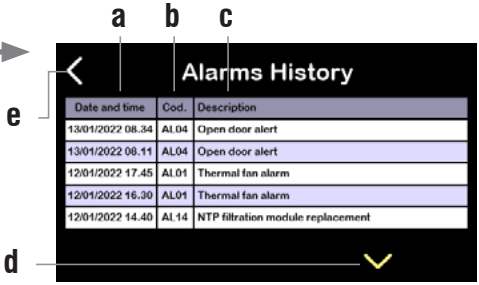
On the "maintenance technician menu" screen, press the logo to view the status of the inputs and outputs of the device:



a) **Status of digital and analog outputs.**
b) **>:** to move to the next screen.
c) **Status of digital and analog inputs.**
d) **<:** to move to the previous screen.
e) **<:** to return to the previous screen.

6.8.10.5.2 Menu reserved for the maintenance technician - alarm history

On the "maintenance technician menu" screen, press the logo to view the alarm history:

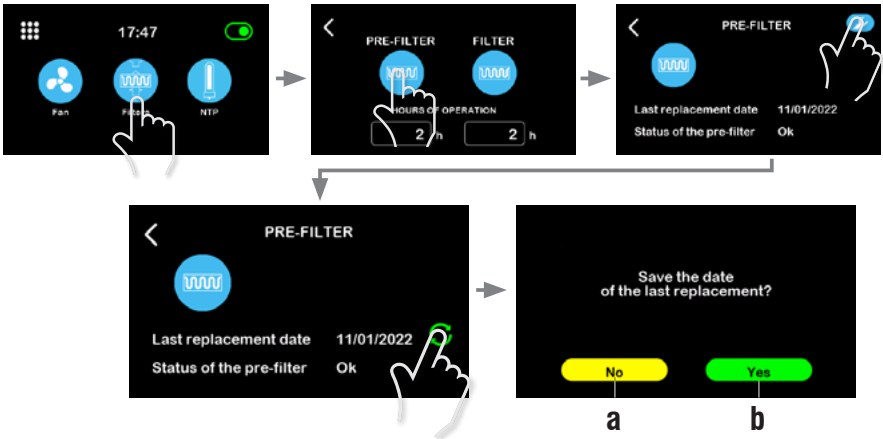


a) **Date and time.**
b) **Code.**
c) **Description.**
d) ⌄⌃ : to move from one screen to another.
e) <: to return to the previous screen.

6.8.11 Recording of filter and ioniser maintenance events

6.8.11.1 Recording of fine particulate filter maintenance events (PRE-FILTER)

On the main screen, press the "filters" logo. Press the “PRE-FILTER” logo.
Press the logo to access the PRE-FILTER screen reserved for the maintenance technician. Entering of the maintenance technician password is requested.
Press the logo to record the maintenance intervention.

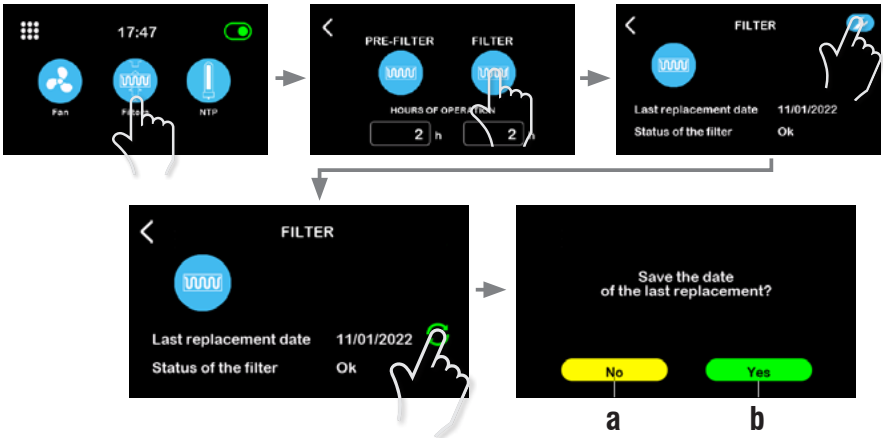


a) **No:** the previous screen is returned to without saving.
b) **Yes:** updating of the date of the last replacement, resetting of the filter operating hours counter and return to the previous screen.

NOTE: **this operation only involves RECORDING of the maintenance intervention.**
The maintenance procedures are explained in chapter 7 "Maintenance" of this manual.

6.8.11.2 Recording of absolute filter maintenance events (FILTER)

On the main screen, press the "filters" logo. Press the “FILTER” logo.
Press the logo to access the FILTER screen reserved for the maintenance technician. Entering of the maintenance technician password is requested.
Press the logo to record the maintenance intervention.

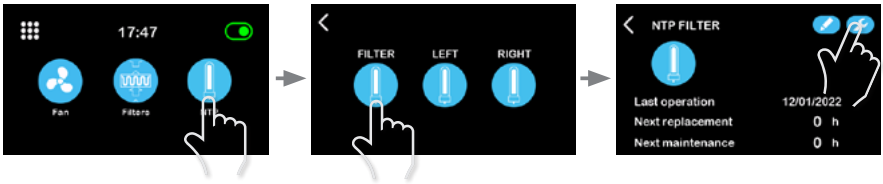


a) **No:** the previous screen is returned to without saving.
b) **Yes:** updating of the date of the last replacement, resetting of the filter operating hours counter and return to the previous screen.

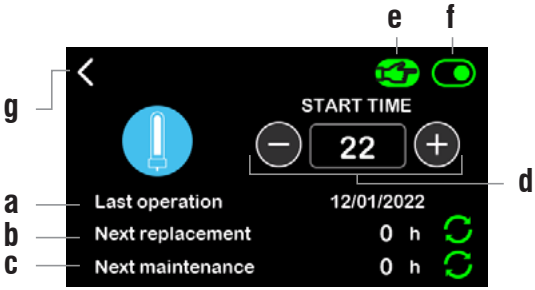
NOTE: **this operation only involves RECORDING of the maintenance intervention.**
The maintenance procedures are explained in chapter 7 "Maintenance" of this manual.

6.8.11.3 Recording of filter ioniser maintenance

On the main screen, press the “Ioniser” logo. Press the “FILTER” logo.
Press the logo to access the ioniser screen reserved for the maintenance technician.

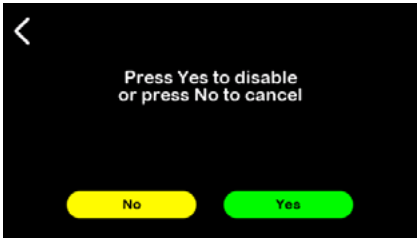


Access is only possible with the maintenance technician password.

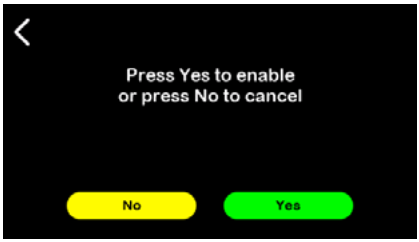


a) **Last intervention:** date on which the last maintenance operation was recorded.
b) **Next replacement (hours):** hours left to replace the ionising tube.
c) **Next maintenance (hours):** hours until cleaning of the ionising tube.
d) **Activation time of the sanitisation cycle:** the factory setting is 22:00. Using the "-" and "+" keys it is possible to modify the set time.
e) / **STOP :** starts or stops a manual sanitisation cycle.
f) **Enabling/disabling of the filter ioniser.**
g) **<:** to return to the previous screen.

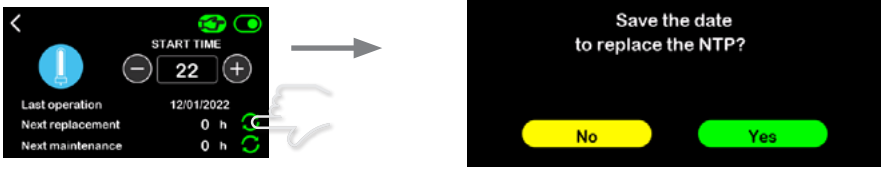
To disable the filter ioniser press the key .



To enable the filter ioniser press the key .



Press the logo to record
the replacement intervention.



a) **No:** the previous screen is returned to without saving.
b) **Yes:** updating of the date of the last replacement, resetting of the filter ioniser operating hours counter and return to the previous screen.

NOTE: **this operation only involves RECORDING of the maintenance intervention.**
The maintenance procedures are explained in chapter 7 "Maintenance" of this manual.

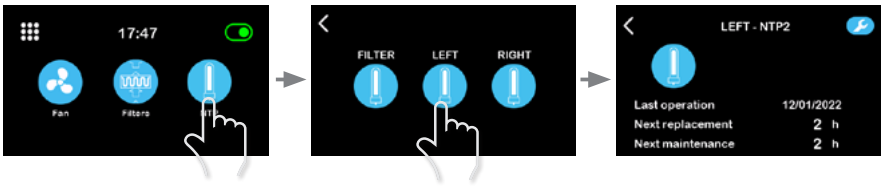
Press the logo to record
the maintenance intervention (cleaning).

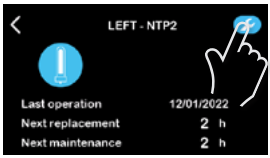
a) **No:** the previous screen is returned to without saving.
b) **Yes:** updating of the date of the last maintenance, resetting of the filter ioniser operating hours counter and return to the previous screen.

NOTE: **this operation only involves RECORDING of the maintenance intervention.**
The maintenance procedures are explained in chapter 7 "Maintenance" of this manual.

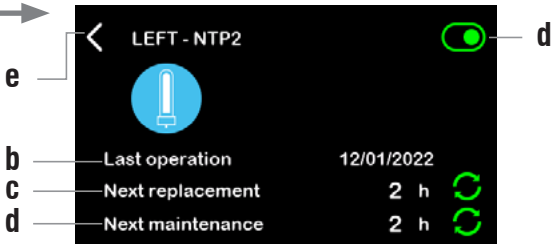
6.8.11.4 Recording of left air ioniser maintenance

On the main screen, press the “Ioniser” logo. Press the “SX” logo.





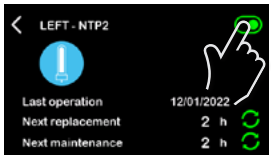
Press the logo to access the left air ioniser screen reserved for the maintenance technician.

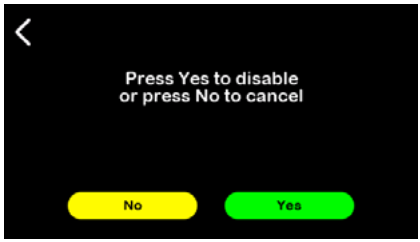


Access is only possible with the maintenance technician password.

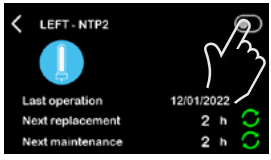
a) **Last intervention:** date on which the last maintenance operation was recorded.
b) **Next replacement (hours):** hours left to replace the ionising tube.
c) **Next maintenance (hours):** hours until cleaning of the ionising tube.
d) **Enabling/disabling of the left air ioniser.**
e) **<:** to return to the previous screen.

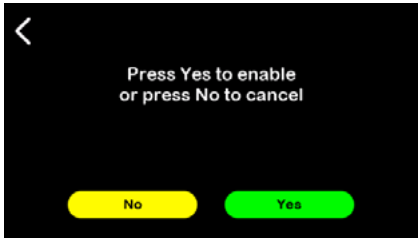
To disable the left air ioniser press the key .



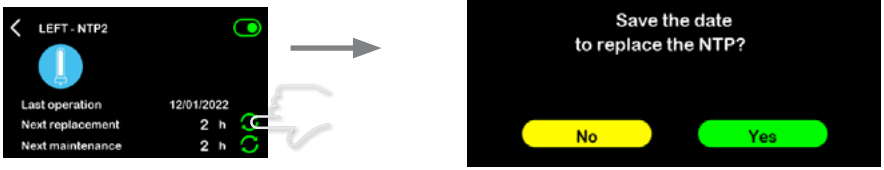


To enable the left air ioniser press the key .





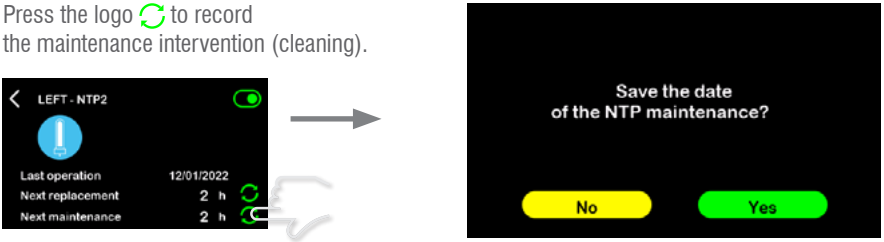
Press the logo to record
the replacement intervention.



a) **No:** the previous screen is returned to without saving.
b) **Yes:** updating of the date of the last replacement, resetting of the left air ioniser operating hours counter and return to the previous screen.

NOTE: **this operation only involves RECORDING of the maintenance intervention.**
The maintenance procedures are explained in chapter 7 "Maintenance" of this manual.

Press the logo to record
the maintenance intervention (cleaning).

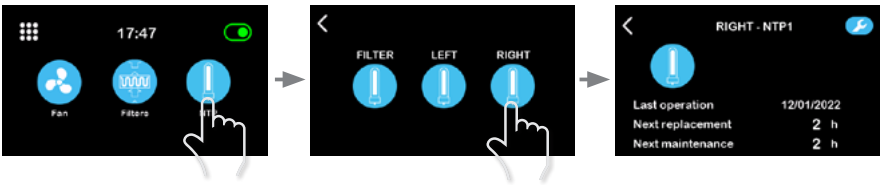


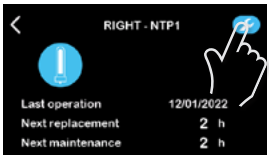
a) **No:** the previous screen is returned to without saving.
b) **Yes:** updating of the date of the last maintenance, resetting of the left air ioniser operating hours counter and return to the previous screen.

NOTE: **this operation only involves RECORDING of the maintenance intervention.**
The maintenance procedures are explained in chapter 7 "Maintenance" of this manual.

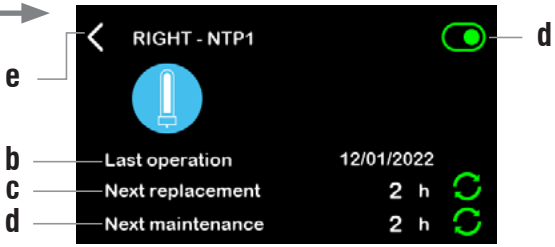
6.8.11.5 Recording of right air ioniser maintenance

On the main screen, press the “Ioniser” logo. Press the “DX” logo.





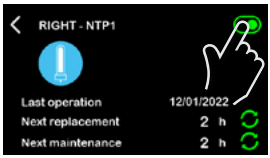
Press the logo to access the right air ioniser screen reserved for the maintenance technician.

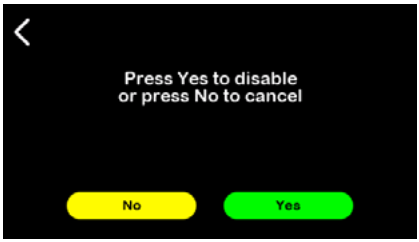


Access is only possible with the maintenance technician password.

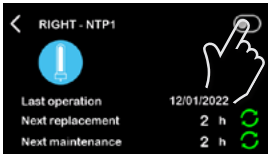
a) **Last intervention:** date on which the last maintenance operation was recorded.
b) **Next replacement (hours):** hours left to replace the ionising tube.
c) **Next maintenance (hours):** hours until cleaning of the ionising tube.
d) **Enabling/disabling of the right air ioniser.**
e) **<:** to return to the previous screen.

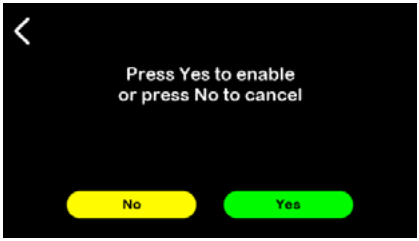
To disable the right air ioniser press the key .



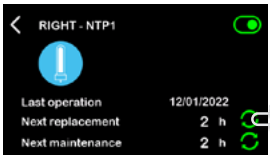


To enable the right air ioniser press the key .





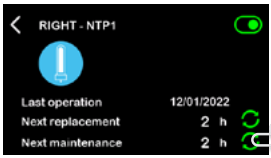
Press the logo to record
the replacement intervention.



a) **No:** the previous screen is returned to without saving.
b) **Yes:** updating of the date of the last replacement, resetting of the right air ioniser operating hours counter and return to the previous screen.

NOTE: **this operation only involves RECORDING of the maintenance intervention.**
The maintenance procedures are explained in chapter 7 "Maintenance" of this manual.

Press the logo to record
the maintenance intervention (cleaning).



a) **No:** the previous screen is returned to without saving.
b) **Yes:** updating of the date of the last maintenance, resetting of the right air ioniser operating hours counter and return to the previous screen.

NOTE: **this operation only involves RECORDING of the maintenance intervention.**
The maintenance procedures are explained in chapter 7 "Maintenance" of this manual.

6.8.12 Operation display viewing

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

	Symbols that identify the turning fan.
	The symbol that identifies the filter when the device is OFF.
	Symbols that identify the air flow through the filters.
	The symbol that identifies the ioniser OFF.
	Symbols that identify the functioning of the ionisers.
	The symbols that identify the sanitation cycle ON.

6.8.13 Filter ioniser function

The filter ionisation cycle works once a day. Enable it and set the start time as described in paragraph 6.8.9 "Ionising modules screen". At the set time, the ionisation cycle of the filter starts:

1) the fan stops for 29 minutes (the symbol remains present but static) and the ioniser ( ) starts working;

2) the fan runs for 1 minute at reduced speed (the symbol turns) and the ioniser ( ) remains in operation;

3) the fan stops for 29 minutes (the symbol remains present but static) and the ioniser ( ) remains in operation. The ionisation cycle of the filter is repeated for 300 minutes (5 hours).

The ionisation cycle is performed both with the device ON and with the device OFF. To disable the ionisation cycle, follow the instructions in paragraph 6.8.9 "Ionising modules screen".

6.8.14 Alarm status notifications

On the main screen, notifications appear on the icon of the component that generates an alarm to request intervention by the user or a maintenance technician authorised by JO**NIX** S.p.A.. The following table indicates how to proceed for resolution of the alarms based on the code and the description:

CODE	DESCRIPTION	ACTION
AL01	Thermal fan alarm	Contact an authorised JO**NIX** S.p.A. maintenance technician and see para. 7.3.1 - "Fan thermal alarm reset".
AL02	Faulty or disconnected fan DP sensor	Contact an authorised JO**NIX** S.p.A. maintenance technician.
AL03	Faulty or disconnected DP pre-filter sensor	Contact an authorised JO**NIX** 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. When the alarm persists contact an authorised JO**NIX** S.p.A. maintenance technician.
AL05	Faulty or disconnected filter DP sensor	Contact an authorised JO**NIX** S.p.A. maintenance technician.
AL06	Pre-filter cleaning alert	See par. 7.2.1 "replacing filters".
AL07	Filter cleaning alert	See par. 7.2.1 "replacing filters".
AL08	Unit input voltage alert	Contact an authorised JO**NIX** S.p.A. maintenance technician.
AL09	Maintenance of NTP module 1 (RIGHT)	See par. 7.2.3.1 "cleaning of ionizing tubes for sanitization of the air".
AL10	Maintenance of NTP module 2 (LEFT)	See par. 7.2.3.1 "cleaning of ionizing tubes for sanitization of the air".
AL11	NTP filtration module maintenance	See para. 7.2.3.2 "cleaning the ionising pipe for the sanitization of internal components".
AL12	NTP module 1 (RIGHT) replacement	See par. 7.2.4.1 "replacement of the ionizing tubes for the air sanitation".
AL13	NTP module 2 (LEFT) replacement	See par. 7.2.4.1 "replacement of the ionizing tubes for the air sanitation".
AL14	NTP filtration module replacement	See para. 7.2.4.2 "replacing the ionising pipe for the sanitization of internal components".

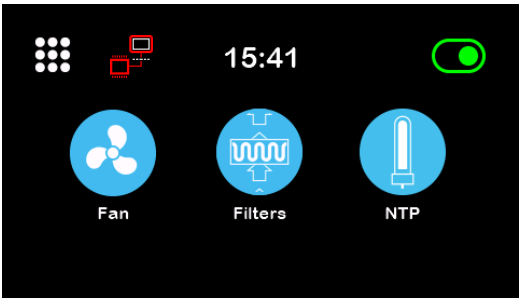
To solve the problem displayed read the chap. 7 "MAINTENANCE" of this manual.

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.

6.8.15 Electronic card-display communication malfunction

If, when the device is turned on, the display remains on the home screen:

Or if the icon appears on the main screen of the display during device operation :



There is 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 plus 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 plus device requires a small amount of maintenance which consists of checking and replacing the filters or the periodic and regular replacement of the non-thermal plasma generator (ionising pipe).

The JONIX minimate plus device, signals the need to perform maintenance on the non-thermal plasma generators, through an alarm viewed on the display (paragraph 6.8.14 "Alarm status notifications") every 7000 hours of operation.
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 6.8.14 "Alarm status notifications").

7.2.1 Replacing filters

The device JONIX **minimate** plus indicates the need to replace the filters through the presence of an alarm on the main screen. The filter alarm notifications are:

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

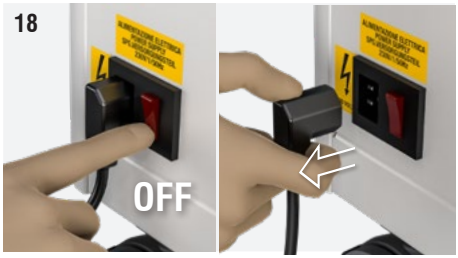


Fig. 19: Open the front maintenance access panel with the appropriate keys.

Type of filters:

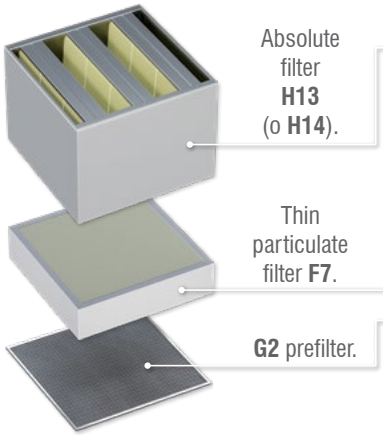


Fig. 20: Pull the filter locking tabs out and extract the dirty filters.

Fig. 21: 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.

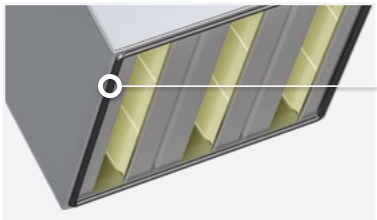
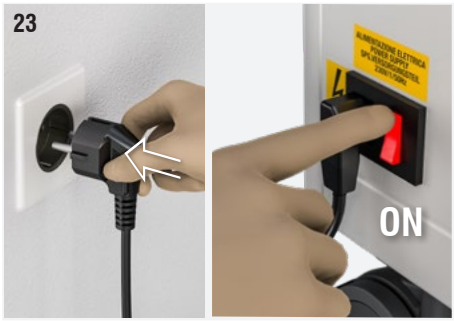


Fig. 22: Close the front maintenance access panel with the appropriate keys.

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. 23: 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 the paragraphs:
- 6.8.11.1 Recording of fine particulate filter maintenance events (PRE-FILTER)
- 6.8.11.2 Recording of absolute filter maintenance events (FILTER)
The alarm notification automatically disappears from the main screen after the maintenance recording is complete.

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

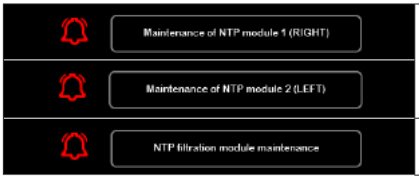
Fig. 24: Clean the outside of the device with a damp cloth.
If the casing is in stainless steel, use specific products for this material.

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.

7.2.3 Cleaning of ionizing tubes

The device JONIX **minimate** plus indicates the need for cleaning of ionising tubes through the presence of an alarm on the main screen. The alarm notifications of the ionising tubes are:

	See para. 7.2.3.1 "cleaning of ionising tubes for air sanitisation".
	See para. 7.2.3.2 "cleaning of the ionising tube for internal components sanitisation".

7.2.3.1 Cleaning of ionizing tubes for air sanitization

The JONIX **minimate** plus device signals the need to clean the ionising pipes per for air sanitation every 7000 hours of operation.
Clean the ionising tube every time it is shown on the display.

Fig. 25: Switch the device off by turning the switch.
Remove the plug connected to the mains.

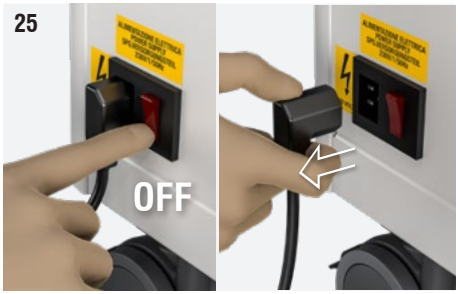


Fig. 26: Open the front maintenance access panel with the appropriate keys.

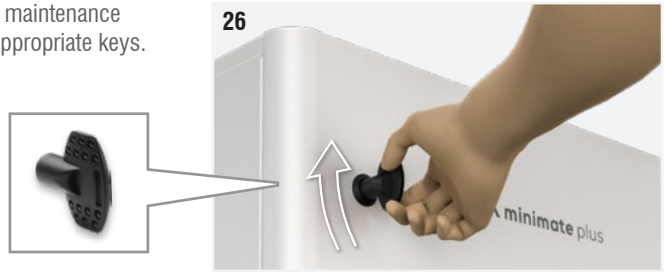


Fig. 27: Pull out the top filter for easy access to the ionizing tubes.

Fig. 28: Gently unscrew the ionising pipe, gripping it at the base (green part).
If the operation is difficult to perform, pull slightly the earthing spring so that it is not in contact with the surface of the tube.

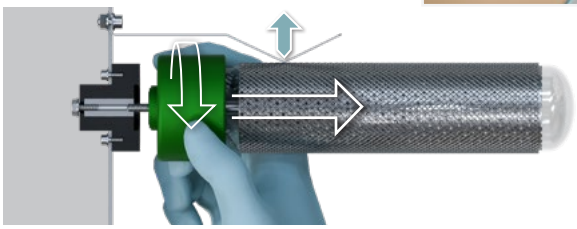
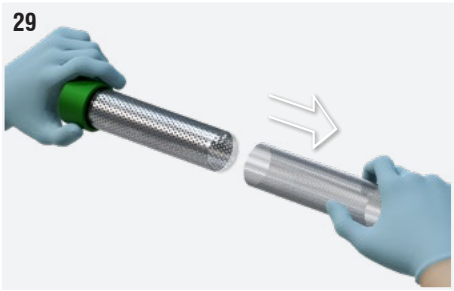


Fig. 29: Pull off the outer mesh from the tube. If this is difficult to do, turn the mesh around the glass while pulling to remove it.



Check that the tube is in good conditions: there must not be any cracks or other damage; otherwise it must be replaced.

Fig. 30: Clean the glass using a damp cloth.

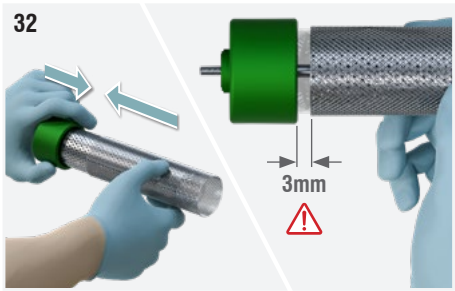
Do not use liquid cleaners, sprays, soap or other products.

The presence of a whitish layer on the perforated metal sheet inside the glass indicates the need to replace the pipe. **The tube must usually be replaced within 18 months of use.**

Fig. 31: Wash the mesh under running hot water and dry it thoroughly with a non-fraying cloth.

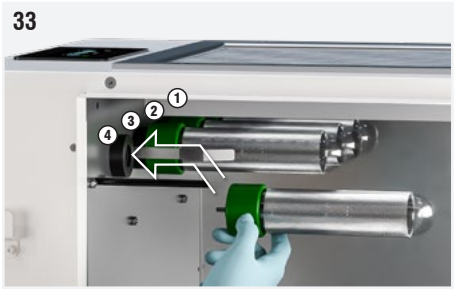
Do not put back the mesh on the ionising tube if it is even partially wet.

Fig. 32: Put the outer metal mesh back on the glass tube so that it fully overlaps the internal plate.



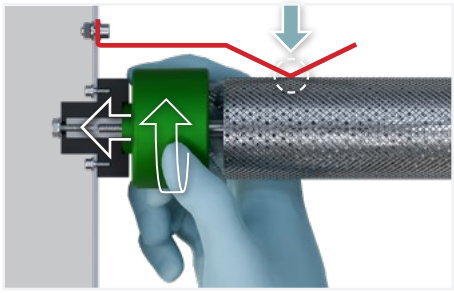
In any case ensure a minimum distance of at least 3 mm from the base of the tube.

Fig. 33: Gently screw the tubes ionizing by grasping them at the base (part green). If the operation is difficult to perform, pull slightly the earthing spring so that it is not in contact with the surface of the tube.



ATTENTION: do not overtighten the screw after reaching its end stop.

Check that the earthing spring is in contact with the outer mesh once the ionising tubes have been screwed back into place. Otherwise contact the manufacturer.



Repeat the same procedure also for the other tubes ionizing.

Fig. 34: Put back the upper filter, making sure the gasket in tire is facing down.

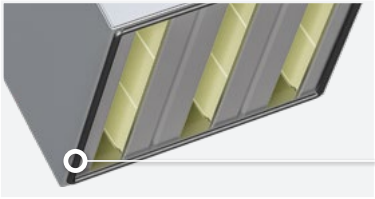
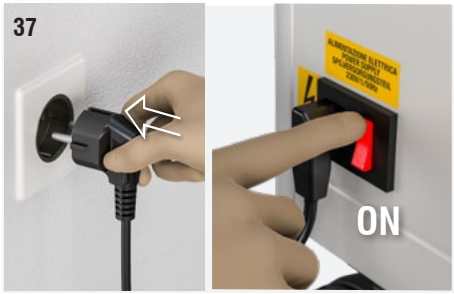


Fig. 35: Check that the magnetothermic switches for disconnection of the fan power supply (Q1) and for disconnection of the auxiliary power supply (Q2) are in the ON position.

Fig. 36: Close the front maintenance access panel with the maintenance access key.

Fig. 37: Connect the power plug to the mains. Turn on the device using the light switch.



Check the operation of the device, a slight crackling must be heard coming from the ionising pipes and the air flow generated by the fan will be perceived.

Record the maintenance operation performed using the display as described in the paragraphs:
- 6.8.11.4 Recording of left air ioniser maintenance
- 6.8.11.5 Recording of right air ioniser maintenance
The alarm notification automatically disappears from the main screen after the maintenance recording is complete.

Should a malfunction persist, unplug the device from the mains and contact qualified staff. **Failure to clean the ionising pipe when indicated by the device will result in a reduction in system performance.**

7.2.3.2 Ionising pipe cleaning for the sanitization of internal components

The JONIX **minimate** plus device signals the need to clean the ionising pipe above the fan every 7000 hours of operation.
Clean the ionising tube every time it is shown on the display.

Fig. 38: Switch the device off by turning the switch.
Remove the plug connected to the mains.

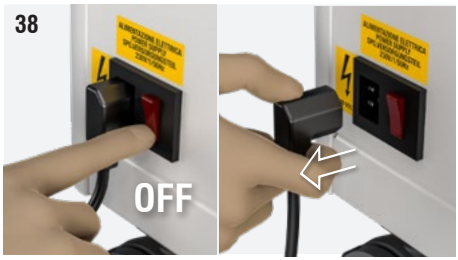


Fig. 39: Open the front maintenance access panel with the appropriate keys.

Fig. 40: Remove the panel that protects the fan by unscrewing the retaining screws

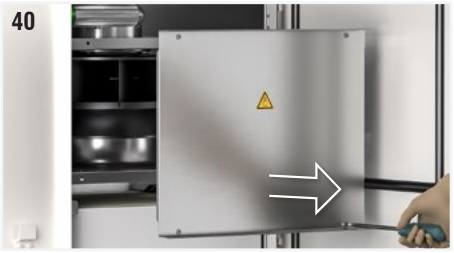


Fig. 41: Gently unscrew the ionising pipe, gripping it at the base (green part).
If the operation is difficult to perform, pull slightly the earthing spring so that it is not in contact with the surface of the tube.

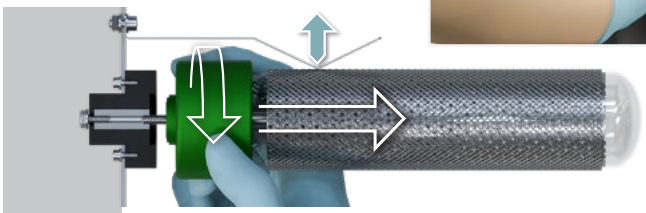
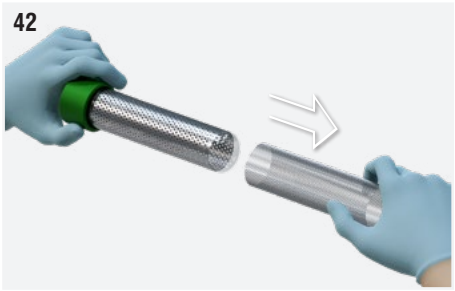
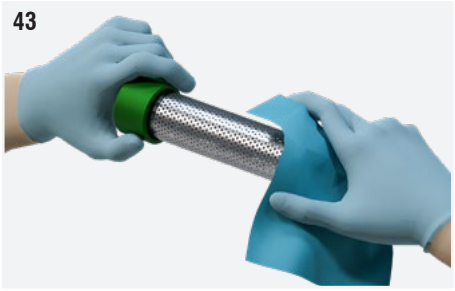


Fig. 42: Pull off the outer mesh from the tube. If this is difficult to do, turn the mesh around the glass while pulling to remove it.



Check that the tube is in good conditions: there must not be any cracks or other damage; otherwise it must be replaced.

Fig. 43: Clean the glass using a damp cloth.



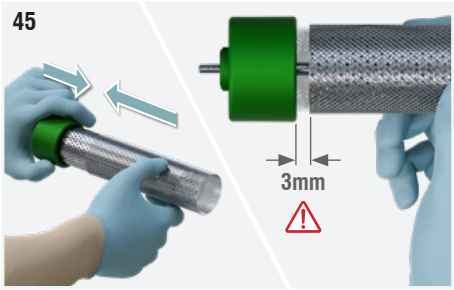
Do not use liquid cleaners, sprays, soap or other products.

The presence of a whitish layer on the perforated metal sheet inside the glass indicates the need to replace the pipe. **The tube must usually be replaced within 18 months of use.**

Fig. 44: Wash the mesh under running hot water and dry it thoroughly with a non-fraying cloth.

Do not put back the mesh on the ionising tube if it is even partially wet.

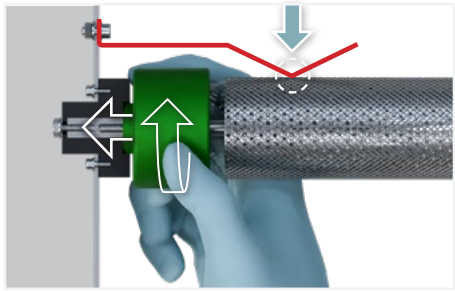
Fig. 45: Put the outer metal mesh back on the glass tube so that it fully overlaps the internal plate.



In any case ensure a minimum distance of at least 3 mm from the base of the tube.

Fig. 46: Gently screw the ionising tube holding on to the base (green part). If the operation is difficult to perform, pull slightly the earthing spring so that it is not in contact with the surface of the tube.

ATTENTION: do not overtighten the screw after reaching its end stop.



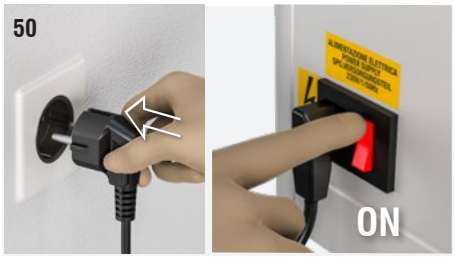
Check that the earthing spring is in contact with the outer mesh once the ionising tubes have been screwed back into place. Otherwise contact the manufacturer.

Fig. 47: Reposition the panel that protects the fan using the retaining screws.

Fig. 48: 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. 49: Close the front maintenance access panel with the maintenance access key.

Fig. 50: Connect the power plug to the mains. Turn on the device using the light switch.



Check the operation of the device, a slight crackling must be heard coming from the ionising pipe and the air flow generated by the fan will be perceived.

Record the maintenance operation performed using the display as described in the paragraph:
- 6.8.11.3 Recording of filter ioniser maintenance.
The alarm notification automatically disappears from the main screen after the maintenance recording is complete.

Should a malfunction persist, unplug the device from the mains and contact qualified staff.
Failure to clean the ionising pipe when indicated by the device will result in a reduction in system performance.

7.2.4 Replacing the ionising tubes

The ionising pipe is the component of the device which will eventually deteriorate over time and will therefore require replacement. When signs of wear appear, it is necessary to replace the component. They are evident with the appearance of oxide in the condenser internal mesh that will make it whitish, and that will render the glass opaque.

The device JONIX minimate plus indicates the need for replacing the ionising tubes through the presence of an alarm on the main screen. The alarm notifications of the ionising tubes are:

NTP module 1 (RIGHT) replacement NTP module 2 (LEFT) replacement	See para. 7.2.4.1 "replacement of ionising tubes for air sanitisation".
NTP filtration module replacement	See para. 7.2.4.2 "replacement of the ionising tube for internal components sanitisation".

7.2.4.1 Replacing the ionising tubes for air sanitization

The JONIX minimate plus signal the need of replacement of the ionising tubes for air sanitization every 14000 hours of operation.
Replace the ionising tubes every time it is shown on the display.

Fig. 51: Switch the device off by turning the switch.
Remove the plug connected to the mains.

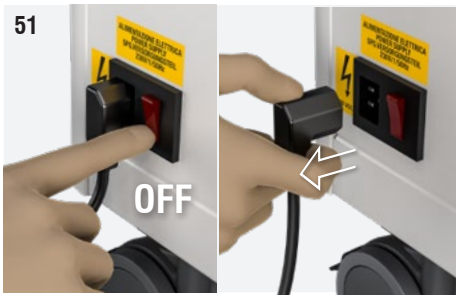


Fig. 52: Open the front maintenance access panel with the appropriate keys.

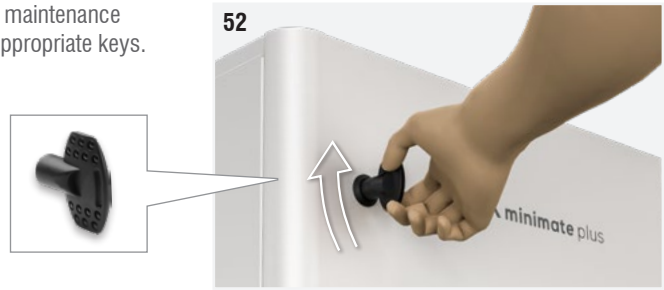


Fig. 53: Pull out the top filter for easy access to the ionizing tubes.

Fig. 54: Gently unscrew the ionising pipe, gripping it at the base (green part).
If the operation is difficult to perform, pull slightly the earthing spring so that it is not in contact with the surface of the tube.

Fig. 55: Gently screw in the **new ionising pipe**, holding on to the base (green part).
If the operation is difficult to perform, pull slightly the earthing spring so that it is not in contact with the surface of the tube.

ATTENTION: do not overtighten the screw after reaching its end stop.

Check that the earthing spring is in contact with the outer mesh once the ionising tube have been screwed back into place. Otherwise contact the manufacturer.

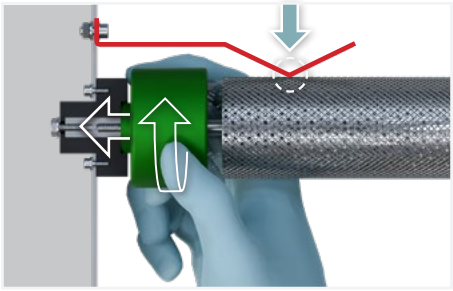


Fig. 56: Put back the upper filter, making sure the gasket in tire is facing down.

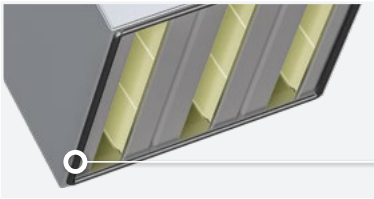
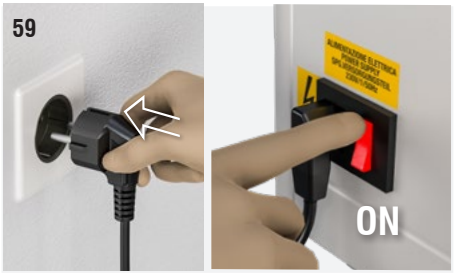


Fig. 57: Check that the magnetothermic switches for disconnection of the fan power supply (Q1) and for disconnection of the auxiliary power supply (Q2) are in the ON position.

Fig. 58: Close the front maintenance access panel with the maintenance access key.

Fig. 59: Connect the power plug to the mains. Turn on the device using the light switch.



Check the operation of the device, a slight crackling must be heard coming from the ionising pipe and the air flow generated by the fan will be perceived.

Record the maintenance operation performed using the display as described in the paragraphs:
- 6.8.11.4 Recording of left air ioniser maintenance
- 6.8.11.5 Recording of right air ioniser maintenance
The alarm notification automatically disappears from the main screen after the maintenance recording is complete.

Should a malfunction persist, unplug the device from the mains and contact qualified staff.
Failure to replace the ionising pipe when indicated by the device will result in a reduction in system performance.

7.2.4.2 Replacing the ionising tube for the sanitization of internal components

The JONIX minimate plus signal the need of replacement of the ionising tube for the sanitization of internal components after 14000 hours of operation.
Replace the ionising tube every time it is shown on the display.

Fig. 60: Switch the device off by turning the switch.
Remove the plug connected to the mains.

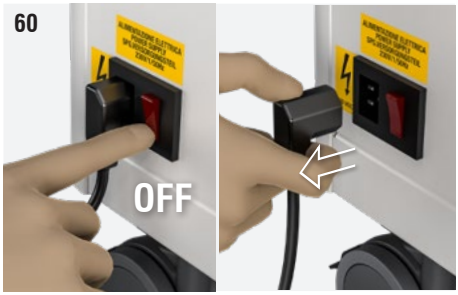


Fig. 61: Open the front maintenance access panel with the appropriate keys.

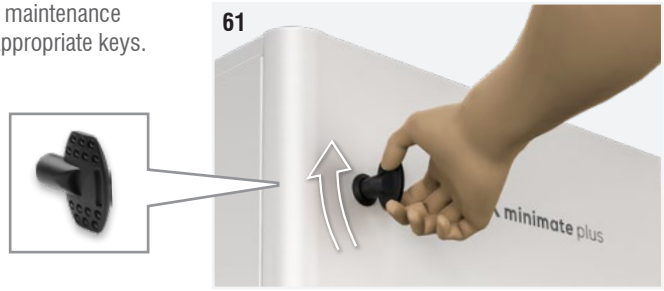


Fig. 62: Remove the panel that protects the fan by unscrewing the retaining screws

Fig. 63: Gently unscrew the ionising pipe, gripping it at the base (green part).
If the operation is difficult to perform, pull slightly the earthing spring so that it is not in contact with the surface of the tube.

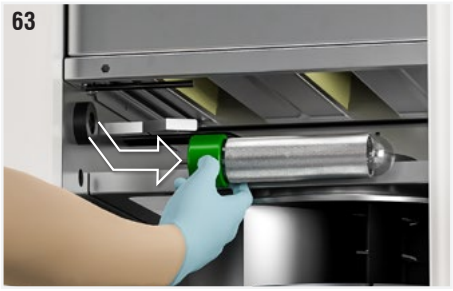


Fig. 64: Gently screw in the **new ionising pipe**, holding on to the base (green part).
If the operation is difficult to perform, pull slightly the earthing spring so that it is not in contact with the surface of the tube.

ATTENTION: do not overtighten the screw after reaching its end stop.

Check that the earthing spring is in contact with the outer mesh once the ionising tubes have been screwed back into place. Otherwise contact the manufacturer.

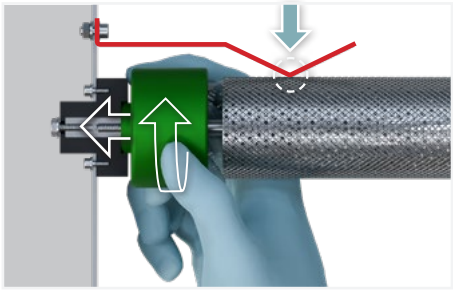
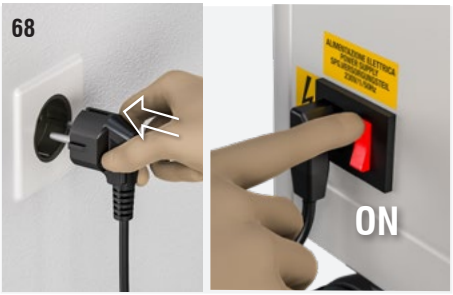


Fig. 65: Reposition the panel that protects the fan using the retaining screws.

Fig. 66: 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. 67: Close the front maintenance access panel with the maintenance access key.

Fig. 68: Connect the power plug to the mains. Turn on the device using the light switch.



Check the operation of the device, a slight crackling must be heard coming from the ionising pipe and the air flow generated by the fan will be perceived.

Record the maintenance operation performed using the display as described in the paragraphs:
- 6.8.11.3 Recording of filter ioniser maintenance
The alarm notification automatically disappears from the main screen after the maintenance recording is complete.

Should a malfunction persist, unplug the device from the mains and contact qualified staff.
Failure to replace the ionising pipe when indicated by the device will result in a reduction in system performance.

7.3 SPECIAL MAINTENANCE

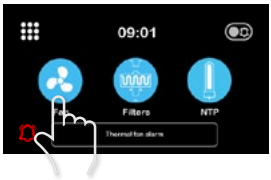
Any maintenance that does not fall within the operations described as routine maintenance must only be carried out by specialist personnel expressly authorised and trained by the Manufacturer.

7.3.1 Fan thermal alarm reset

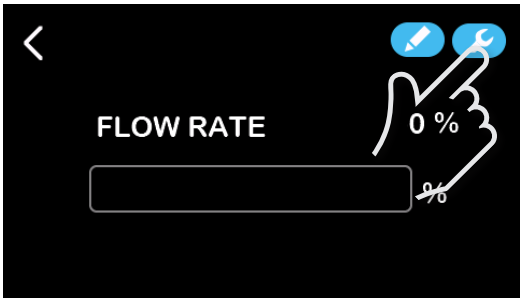
The JONIX **minimate** plus device indicates a problem with the fan through the presence of an alarm on the main screen:

Contact a maintenance technician authorised by JONIX S.p.A. to resolve the problem.

When the problem on the device has been resolved, reset the corresponding alarm:



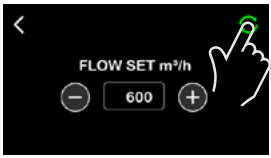
On the main screen, press the "fan" logo o access the fan detail screen:



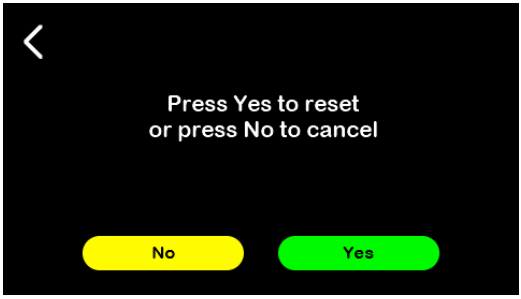
Press the logo to access the screen reserved for the maintenance technician.

Access is only possible with the maintenance technician password.

Enter the maintenance technician password as indicated in paragraph 6.8.5 Screen release and settings.



Press the logo to record the maintenance intervention.



a) **No:** the previous screen is returned to without saving.
b) **Yes:** the fan thermal alarm is reset with return to the previous screen.
c) **<:** to return to the previous screen.

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 6.8.14 "Alarm status notifications").

8.1 DIAGNOSTICS

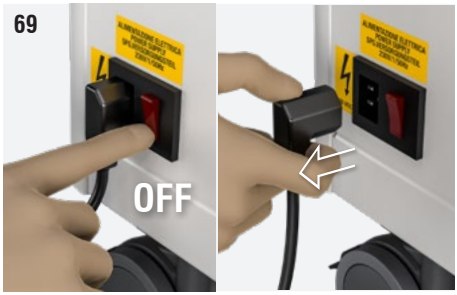
PROBLEM	POSSIBLE CAUSE	SOLUTION
The display is off.	Lack of power to the device.	Check that the device's red power switch is pushed up and lit.
		Check that the electrical connection is correctly made.
		Check that the magnetothermic switches for fan power disconnection (Q1) and auxiliary power supply disconnection (Q2) are in the ON position.
		Check the integrity of the power cord.
		Check that power is present in the distribution mains.

PROBLEM	POSSIBLE CAUSE	SOLUTION
There is no crackling sound from the ioniser.	The ionising pipe is faulty.	Contact a maintenance technician authorised by the manufacturer.
	Maintenance required on the ionising pipe.	Follow the instructions in section 7.2 "ROUTINE MAINTENANCE".
An alarm notification appears on the main screen of the display	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 6.8.14 "Alarm status notifications".
Fan DP alarm. The fan automatically goes to the maximum speed (approximately 3000mQ / 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. 69: Disconnect the power supply to the device and contact JO**NIX** 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

When the JONIX devices are no longer used they must be disposed of in compliance with the regulations in force in the country of installation. The devices consists of the following materials:

- Stainless steel.
- Aluminium.
- Glass.
- Nylon.
- Plastic.
- Paper and Cardboard.
- Wood.
- 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

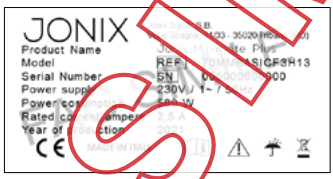
The filters are not washable and are not recyclable. For the replacement procedure, refer to paragraph 7.2.1 "REPLACING THE FILTERS". The filters must be disposed of in unsorted municipal waste or according to the requirements of the regulations of the country of installation.

EC DECLARATION OF CONFORMITY

JONIX pure living	**DICHIARAZIONE CE DI CONFORMITÀ** **EC DECLARATION OF CONFORMITY** **EG-KONFORMITÄTSERKLÄRUNG** **DÉCLARATION CE DE CONFORMITÉ** **DECLARACIÓN CE DE CONFORMIDAD**	**2006/42/CE - II A**

Il Fabbricante The Manufacturer Der Hersteller Le Fabricant El Fabricante	**JONIX SPA S.B.** **Viale Spagna, 31/33** **35020 Tribano (PD)** **ITALY**

Dichiara che il prodotto Declares that the product Erklärt daß das Produkt Déclare que le produit Declara que el producto	**Dispositivo di purificazione dell'aria** **Air purification device** **Luftreinigungs-Gerät** **Dispositif de désinfection de l'air** **Dispositivo de desinfección del aire** **MINIMATE PLUS**



E' conforme alle disposizioni pertinenti delle direttive comunitarie Is in conformity with the relevant provisions of the community directives Erfüllt die einschlägigen Harmonisierungsrechtsvorschriften der Union Est conforme à la législation d'harmonisation de l'Union applicable Es conforme con las pertinentes disposiciones de las directivas comunitarias	**2006/42/CE** **2014/30/UE** **2011/65/UE** **2012/19/UE**

Riferimento alle norme armonizzate che sono state applicate References to the used relevant harmonised standards Fundstellen der angewandten harmonisierten Normen Référence aux normes harmonisées qui ont été utilisées Referencia a las normas armonizadas que se hayan utilizado	**UNI EN ISO 12100:2010** **EN 60335-1:2012** **EN 60335-2-65:2003** **EN IEC 61000-6-2:2019** **EN 61000-6-3:2007** **EN 55014-1:2017** **EN 55014-2:2015** **EN 62233:2008**

Nome e indirizzo della persona autorizzata a costituire il fascicolo tecnico Name and address of the person authorised to compile the technical file Name und Anschrift der Person, die bevollmächtigt ist, die technischen Unterlagen zusammenzustellen Nom et adresse de la personne autorisée à constituer le dossier technique Nombre y dirección de la persona facultada para elaborar el expediente técnico	**Mauro Mantovan** **viale Spagna, 31/33** **35020 Tribano (PD)** **ITALY**

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