

CONFORT LINE

AIR PURIFICATION WITH IONIZATION

USER MANUAL

AERSwiss Pro GOLD



CONFORT LINE

**AERSwiss Pro
GOLD**

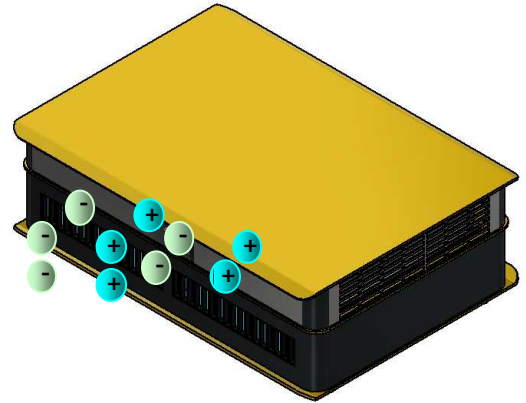
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1. Benefits of the technology

Quality of life is of increasing interest in the public and private sectors.

In order to achieve the optimal conditions of wellbeing and health to ensure that most people can live fully, over time various technical guidelines and regulations have been defined that focus on **pollutants** at home, their **actions on health**, the **environmental quality standards** to be pursued and the **best building and engineering procedures and technologies** to obtain them.



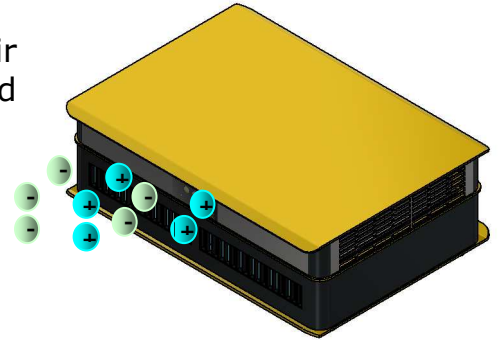
For this reason the **ionization** of the air is a parameter that acquires ever greater importance from the environmental point of view, due to the biological effects it entails and for the wide range of applications.

The technology of "**controlled bipolar ionization**" has a positive result for the health of people as it promotes its absorption by red blood cells with beneficial effects on all organs.

It is a natural process that also involves the respiratory system in that represents a valid defense against problems related to **allergies** and **asthma**.

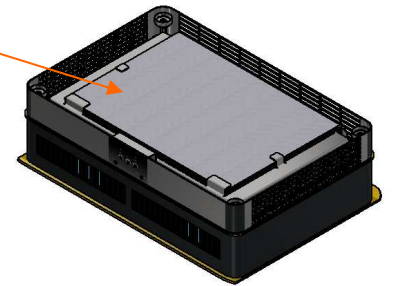
The positive bactericidal effect of Periso equipment increases defenses against **infections**, becoming a valid means to neutralize odors, which are absorbed by the action of activated oxygen ions.

The **AER Swiss Pro GOLD** can be used as an air purifier combined with an electrostatic filter activated by controlled bipolar ionization.



Thanks to the emission of ions, the electrostatic filter removes from the air solid impurities up to a diameter of 0.1 µm.

Simultaneously the addition of positive ions and negative ions to the air in the room, allows to neutralize the static electricity present, revitalizing the air in a natural way.



The bipolar ionization metering system is the subject of an **international patent** by Periso and allows to reproduce what happens in nature, where the air is revitalized in a natural way.

2. Reference directives and regulations

1. Periso declares that the device has been designed and built in accordance with the necessary reference standards according to the European Directive on Safety.

DICHIARA CHE
/ DECLARE THAT

il prodotto/
the product

E' CONFORME
/ FULFILLS

alle seguenti Direttive Europee:
/ the requirements of the Directive:

alla Direttiva 2014/35/UE relativa alla bassa tensione / LVD directive

alla Direttiva 2014/30/UE relativa alla compatibilità elettromagnetica / EMC directive

norme applicate/applied standards

EN 60335-1

Sicurezza degli apparecchi elettrici d'uso domestico e similare — Norme generali (LVD)

EN 60335-2-65

Sicurezza degli apparecchi elettrici d'uso domestico e similare (LVD)

Norme particolari per gli apparecchi per la purificazione dell'aria

EN 61000-6-3

Compatibilità elettromagnetica (EMC)

Prescrizioni per gli elettrodomestici, gli utensili elettrici e gli apparecchi similari — Emissione

EN 61000-6-1

Compatibilità elettromagnetica — Requisiti di immunità per gli elettrodomestici, gli utensili elettrici e gli apparecchi similari — Immunità

EN 61000-3-2

Compatibilità elettromagnetica (EMC)

Limiti per le emissioni di corrente armonica

EN 61000-3-3

Compatibilità elettromagnetica (EMC)

Limitazione delle variazioni di tensioni, fluttuazioni di tensione

Altre direttive europee applicate:

/ other directives applied:

Direttiva RAEE 2012/19/UE sui Rifiuti di Apparecchiature Elettriche ed Elettroniche

/ Directive on Waste Electrical and Electronic Equipment (WEEE)

Direttiva ROHS 2011/65/CE sul divieto di utilizzo di determinate sostanze nelle apparecchiature Elettriche ed Elettroniche

/ Directive on restriction of certain Hazardous Substances (ROHS)

Into Electrical and Electronic Equipment

Product:

• Room air purifier and ionizer

2. Periso declares that the device has been designed and built in accordance with the necessary reference standards according to the European Directive on safety.



DECLARATION OF CONFORMITY

Periso SA - Isonne (CH) declares in good faith, under its own responsibility to have carefully followed every possible precaution for electrical safety and that the appliance:

Models:	AERSwiss Pro GOLD AERSwiss Pro Blue
Year of manufacture:	2020
Electrical characteristics:	220-240VAC, 50Hz
Degree of protection:	IPX0
Classification:	Class I

Conforme

alla Direttiva 2014/35/UE relativa alla bassa tensione / *LVD directive*
alla Direttiva 2014/30/UE relativa alla compatibilità elettromagnetica / *EMC directive*

Direttiva RAEE 2012/19/UE sui Rifiuti di Apparecchiature Elettriche ed Elettroniche
/ *Directive on Waste Electrical and Electronic Equipment (WEEE)*

Direttiva ROHS 2011/65/CE sul divieto di utilizzo di determinate sostanze nelle apparecchiature Elettriche ed Elettroniche
/ *Directive on restriction of certain Hazardous Substances (ROHS)*

Into Electrical and Electronic Equipment

The electrical measurements and safety tests were performed using the following certified instrument: **CE MultiTester METREL MI2094.**

The company operates with a certified quality system according to:
EN ISO 9001:2015 e EN ISO 14001:2015.

3. Warnings

Attention must be paid from people with reduced physical, sensory and mental capacities; as well as people with little experience and knowledge in the operations of the device. In these instances, use only when instructed on the safe use of the device, and understand the dangers that could derive from improper use.

Do not allow children to play with the appliance. The cleaning and maintenance of the device by children must be supervised and controlled by an adult.

Periso SA guarantees a two-years warranty on the device from the date of delivery in the absence of manumissions or improper use by the end user. In the event of malfunction, contact the retailer to request the authorization to return the product.

ATTENTION: the original packaging must be kept for future shipment to the manufacturer.

IDENTIFICATION OF RISKS

.High voltage:

Inside the devices, there are elements operating in high voltage.

Do not open or tamper with the ionizer while it is electrically powered and in operating mode.

Don't touch the electrodes (see point 5) with device switched on.

.Temperature:

Do not bring the ionizer devices near open flames or other high temperature sources.

. Humidity:

Do not use the ionizing devices in excessively humid environments that may compromise correct operation of the device.

4. Instructions for Use

The appliance has been designed for continuous operation.

- Energy consumption is minimal.
- The ideal place to place the purifier **AER Swiss PRO GOLD** is on a table and not directly against a wall.
- To achieve an optimal action effects of the ionization, the purifier should be placed at least 2 m away from televisions and computers.

The **AER Swiss PRO GOLD** purifier can be put into operation immediately. Its use is very simple.

- a. Insert the plug into a power outlet with voltage 220-240VAC / 50Hz.

The device is now in "stand by" mode

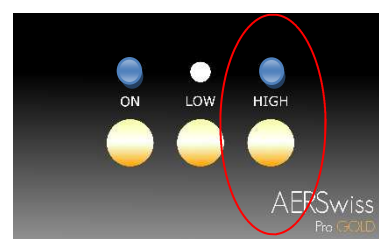
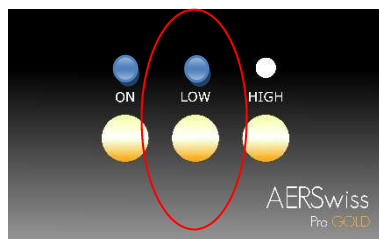


- b. Position the ignition switch on the back of the device on "I".

- c. Switch the appliance on by pressing the "ON" button on the front. (the blue LED lights up).



- d. In these conditions, ventilation at "LOW" speed is activated and it can be changed by pressing the "HIGH" key.



5. Maintenance

For a correct functioning of the appliance and to guarantee its maximum purification efficiency, the following is recommended.

CAUTION:

Before cleaning the electrodes and before replacing the filters, make sure to switch off the device using the front button and to disconnect it from the power supply network.

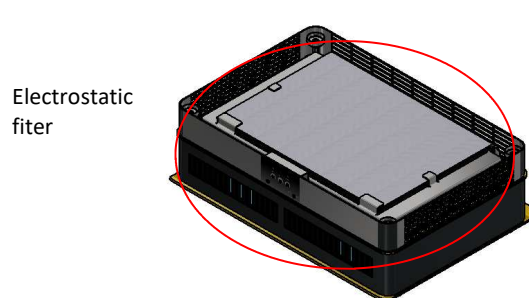
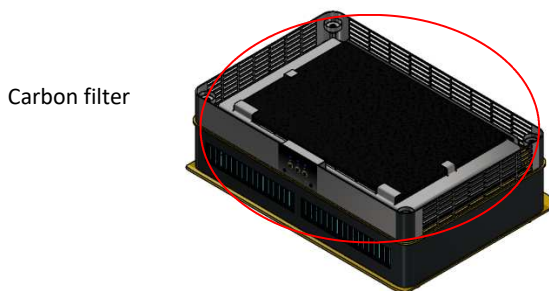
a. Electrostatic Filter and Activated Carbon Filter

Replace the filters of the device regularly, by removing the back cover secured with magnets. **Electrostatic filter** (white) should be changed **2-4 times per year** and **activated carbon filter** (black) should be changed **twice a year** (*). Failure to replace the filters entails the deposit of dust and dirt inside the device, with consequent damage to the fan and increased noise emitted.

(*)The environmental conditions in which the device is placed may be such that as to suggest the user to **change the filter more frequently** than as indicated by the manufacturer.

In some environments particularly characterized by **suspended particles**, including **dust**, it is suggested to change the **electrostatic filter** (white) more frequently.

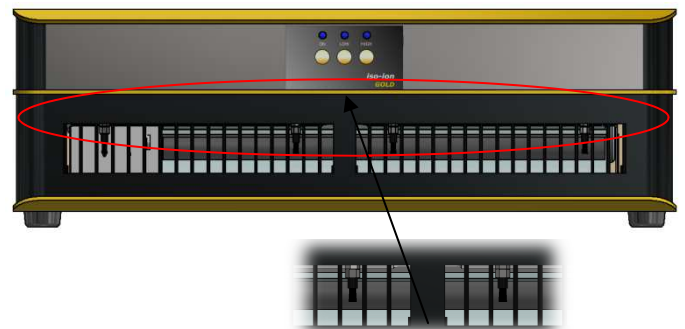
The presence of **strong organic smells** or considerable particles in suspension (**smoke**), may require a more frequent replacement of the filters to ensure the efficiency of the ionizing system. A significant increase of **noise** caused by internal ventilation may depend on the fact that the filters are saturated and must be replaced.



b. Carbon fiber electrodes

It is recommended not to obstruct the front of the appliance for a correct bipolar ionization emission.

Inside the duct, 4 carbon fiber electrodes are visible that have the purpose of emitting positive and negative ions in a correct proportion.



It is recommended to keep the electrodes clean using only the antistatic brush (ESD) supplied. When the device is switched off, **only touch the electrodes with the specially designed brush (ESD) very gently in order to avoid damages or electrode fibers bending.**

In order to guarantee the efficiency of bipolar ionization, **it is necessary to remove the dust that can accumulate on the ionizing fibers 1-2 times per month.** Environments with higher levels of dust should clean the electrodes **every 15 days.**

6. Technical Data

Supply	220-240VAC / 50 Hz
Consumption	With ventilation at minimum 25 Watt (0.025 KW/h) With ventilation at maximum 40 Watt (0.040 KW/h)
Fuse:	Microfuse 20 x 5 mm 1A (T)
Type of ionization:	Bipolar with carbon fiber electrodes
Ionization voltage:	~5.0 kV negative ~5.0 kV positive
Ionization strength:	~250'000 ions/cm ³ * ventilation at min. ~320'000 ions/cm ³ * ventilation at max.
Air flow:	With ventilation at minimum 80 m ³ /h With ventilation at maximum 110 m ³ /h
Fan:	Silent tangential fan, suitable for continuous operation (ball bearings)
Noise:	With ventilation min. ~ 41 dB (A) With ventilation max. ~ 45 dB (A)
Filters:	Electrostatic, activated carbon filter (replaceable)
Dimensions:	450 x 325 x 150 mm (LxWxH)
Weight:	~9.5 kg
Command:	Manual
Installation:	Portable

* Measurements were made at a distance of 1 meter distance between **AERSWISS PRO GOLD** and the **ION-METER PN-2001**.

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