

ECA Technology
ENERGY AND AIR-CONDITIONING SOLUTIONS

e.puro

AIR STERILIZER



What contains the air that you breathe inside closed environments?

We usually spend 90% of our time indoors such as for example offices, center shops, bars, restaurants and homes where invisible (to human eye) pollutants accumulate everywhere affecting the quality of the air that we breathe.

The air is in fact affected by many factors including the type of materials used for construction and furnishings, the presence of people and their activities and finally the cleaning operations of the rooms and places¹, causing air pollution up to 5 times worse than outside.



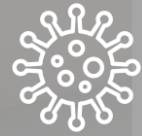
Indoor environment pollutants



**Molds and
bacteria**



Dust



**Ultrafine particles
and viruses**



Formaldehyde



**Aeriform organic
compounds**



**Pollen and
allergens**



**Gas from cleaning
products**



**Smells and
fumes**



Animal hair

The isolation of modern buildings causes the proliferation of pollutants produced inside, moreover it seals inside even those coming from outside.

This situation brings to a decrease in environmental comfort and above all it involves potential health risks¹. In fact, the atmospheric pollutants present in indoor spaces can become the cause or a worsening factor of numerous respiratory diseases, leading to an acceleration of cardiovascular and pulmonary problems.

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The E-puro sterilizer has been studied and designed specifically for the comfort and hygiene of environments dedicated to commercial activities, it is so a device created to improve the air quality in indoor spaces where we spend most of our time.

Thanks to the use of E-puro we not only intend to pay renewed attention to the respect and observance of the rules, but above all we desire to guarantee constant hygiene and safety standards for the well-being and protection of customers and managers of the most varied activities.

Improve the quality and safety of yours environments



Technical data

MODELLO		EP400GY	EP1200GY
POWER SUPPLY	v/F/Hz	230/1/50	230/1/50
ABSORBED POWER	W	46	110
SOUND PRESSURE (min-max)	dB(A)	25-50	28-65
MAX. AIR FLOW	m ³ /h	320	1200
VENTILATION SPEED	n°	4	3
DIMENSIONS (HxWxD)	mm	617x390x225	1320x570x320
NET WEIGHT	kg	8,5	39
OPERATING TEMPERATURE	°C	5~40	5~40
SURFACE INDICATED	m ²	50	150
FILTRATION SYSTEM		HEPA composite filter + cotton prefilter, TiO ₂ photocatalytic filter, activated carbon filter, plasma generator and UVC lamp	Primary filter, HEPA filter, activated carbon filter, plasma generator and UVC lamp



In the image, Model EP400GY on the right
EP1200GY model on the left

*1 Model EP400GY Light and acoustic signal for HEPA filter and UVC lamp replacement. / Model EP1200GY: light signal for HEPA filter replacement

*2 Exclusively in the EP400GY model

The Filters

The sterilizer e-puro constantly communicates the environmental pollution index through an accurate detection system and it activates itself through a system with forced ventilation³.

In this way e-puro sucks the polluted air inside and then it introduces the purified air back into the room. This air purification takes place thanks to an advanced filtering system of pollutants and cutting-edge purification technologies.

1 Pre Filter

It retains large particles (PM50), insects and other pollutants.

3 Photocatalytic Filter

In association with UVC technology, it destroys viruses and bacteria..

This filter is present only in the EP400GY model.

4 Active Carbon Filter

it effectively absorbs and removes formaldehyde and volatile organic compounds (VOCs).

2 HEPA Filter

it removes up to 99.95% of particles with dimensions up to 0.3 microns (PM2,5) and it traps most of the allergens present in the air between the meshes of its fibers.



1. Pre filter

2. HEPA Filter

³ Santarsiero, A., Ricci, A., Merluzzi, R. (2014). Influenza dei parametri microclimatici sugli inquinanti indoor. *La qualità dell'aria indoor: attuale situazione nazionale e comunitaria. L'esperienza del Gruppo di Studio Nazionale sull'inquinamento indoor* (p. 39). Roma: Istituto Superiore di Sanità.



It monitors

The quality of the air, indicating the rate of pollution.



It captures

Visible and invisible polluting particles.



It filters

Pollutants through a system with advanced technology.



It diffuses

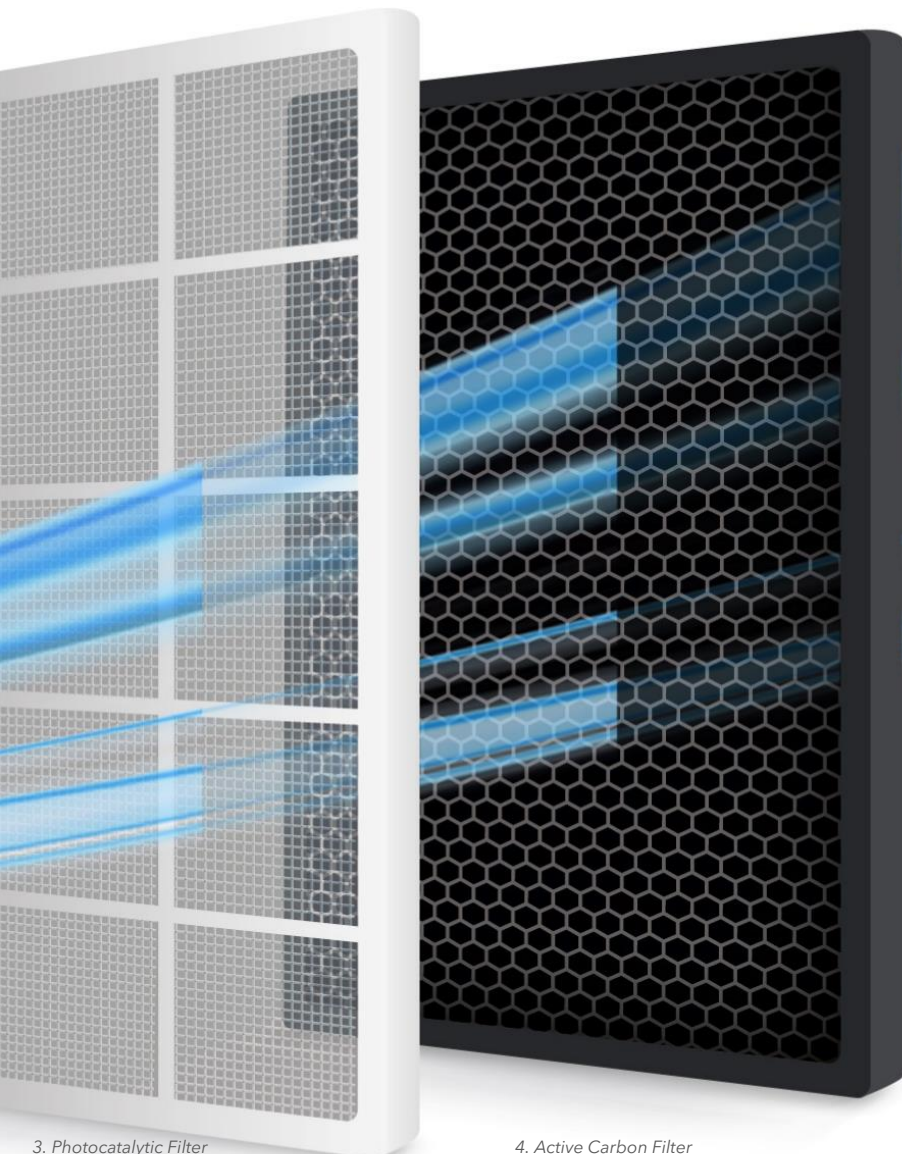
Purified and ionized air.

UVC lamp

It eliminates microorganisms present in the air through ultraviolet radiation which guarantees the neutralization of bacteria, molds and spores present in the environment.

Generatore al plasma

It is activated when the UVC lamp is working and it releases negative and positive ions into the air which increase the size of the particles, allowing the filters of the purifier to retain and eliminate them.



3. Photocatalytic Filter

4. Active Carbon Filter



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a brand of

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