

## 1. Performance and Main Features

The **gako ION-e** is a benchtop ionizer, compact and especially developed to meet the daily needs of the compounding pharmacy. Its modern design allows for quick and easy mobility, standing on the benchtop or attached to an extensor arm, enabling the pharmacist to place it close to the operation being performed. Either to weigh, mix or encapsulate powders, the **gako ION-e** can eliminate electrostatic charges in the working area, preventing operational and quality issues.



## 2. Application

The **gako ION-e**, as the name suggests, uses ions to neutralize static electricity by generating alternately positive or negative ions constantly, providing a fast and efficient neutralization rate. By using the **gako ION-e**, the pharmacist can perform pharmaceutical operations involving powders and other potentially electrostatic materials with much more precision, preventing consequences such as material loss during compounding, powders adherence to equipment, lack of content uniformity, cross-contamination from equipment, and also from the environment. With the **gako ION-e**, we bring even more quality to the compounding process, delivering safe and efficient formulations to patients.

## 3. Technical Parameter

### 3.1 Specifications

<b>Model</b>	gako ION-e Standard, IT, GB, AU, CH
<b>Electrical requirements</b>	220 - 240 V
<b>Model</b>	gako ION-e US, BR
<b>Electrical requirements</b>	100 - 120 V
<b>Weight (Net)</b>	1.1 kg
<b>Dimensions</b>	190x135x190mm (LxWxH)

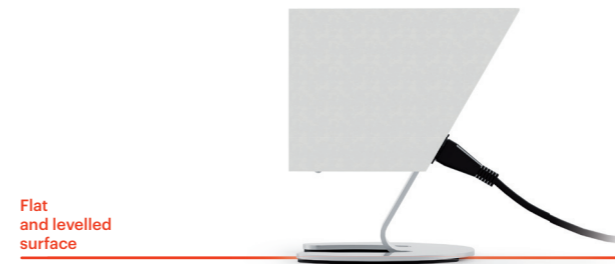
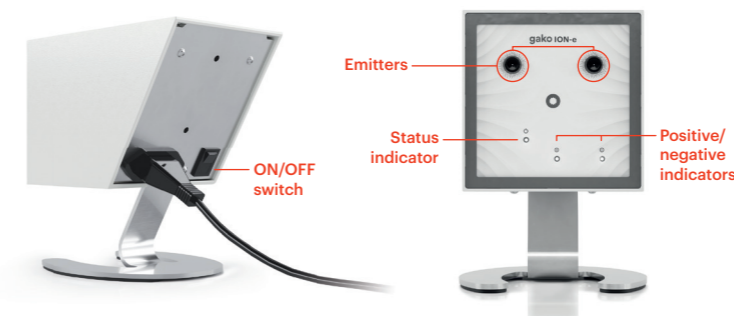
### 3.2 Operating Conditions

<b>Location</b>	Indoor use only
<b>Altitude</b>	Up to 10.000 ft (3.048 m)
<b>Ambient temperature</b>	32°F to 104°F (0°C to 40°C)
<b>Maximum relative humidity</b>	10% - 90% RH @ 32°F to 104°F (0°C to 40°C)
<b>Supply voltage fluctuation</b>	Up to 24V

## 4. Functions and Use

1. The **gako ION-e** comes completely balanced and ready to use.
2. Place the **gako ION-e** on a flat and levelled surface, or with the optional VESA mount adaptor on an extensor arm.
3. Position the **gako ION-e** approximately 12" (30 cm) from the area to be ionized, with the emitter points directed preferably to the powders being handled, and not only to the containers where they are stored.
4. Plug the **gako ION-e** in an adequate power supply.
5. **Turn ON** the device and proceed with compounding.
6. **Turn OFF** when finished.

**NOTE:** There are 3 LEDs located on the front panel. The one on the left is the "Status" light (ON/OFF indicator), and the other two LEDs are the indicators of the positive and negative. Note the rate in which the lights switch. Your unit is set at a slow rate, balanced and ready to use.



## 5. Attention

- Read the user manual carefully before operating the device.
- Only operate the **gako ION-e** with a designated AC power outlet.
- Do not operate the device with a wet or damp hand, or on wet or damp surfaces.
- Keep the effective area of operation clear and free from obstructions of the ion flow.
- Care should be in place when handling and moving the device to avoid falling face down, as this can damage the emitter pins.

## 6. Maintenance

The **gako ION-e** was designed to be virtually maintenance-free. The emitter pins can be cleaned periodically to maintain the ion flow. Always check the emitter points for dirt accumulation. When cleaning the **gako ION-e**, make sure the unit is disconnected from power source.

### 6.1 Cleaning

- Always check the emitter points for dirt accumulation. When cleaning the **gako ION-e**, make sure the unit is turned off and disconnected from the power source.
- The outside case of the **gako ION-e** can be cleaned with a damp cloth and normal household cleaners.
- Never submerge the device.
- To clean the emitter pins, use a swab damped in isopropyl alcohol.

### 6.2 Warranty

This device is under warranty and free from defects in materials and workmanship, under normal use and service, for 24 months from the date of invoice (excluding consumable accessories). The warranty is extended only to the original purchaser. Warranty is not valid on a device that has been damaged by improper installation, improper connections, misuse, accident, or abnormal conditions of operation. If the warranty has been expired, gako would still be responsible for repair with relative charges. For claims under the warranty please contact your local supplier.

## 7. Transportation and Storage

The **gako ION-e** weighs approximately 1.1 kg and should only be stored on flat, level surfaces. Transporting the device should avoid collision. NOTE: Do not store the **gako ION-e** in wet or extremely damp locations.

## Declaration of Conformity



Product: gako ION-e 120V  
gako ION-e 220V  
Product type: Static still air ionizer  
Manufacturer: Gako Deutschland GmbH  
Am Steinernen Kreuz 24  
96110 Scheßlitz  
Germany

Gako Deutschland GmbH  
is certified according  
DIN EN ISO 9001:2015  
DIN EN ISO 6000:2018



The manufacturer declares the conformity of the designated product with the following European guideline:

**Directive 2014 / 35 / EU of the European Parliament and of the Council of 26th February 2014**

on the harmonisation of the laws of the Member States relating to the making available of electrical equipment designed for use within certain voltage limits on the market.

**Directive 2014 / 30 / EU of the European Parliament and of the Council of 26th February 2014**

on the harmonisation of the laws of the Member States relating to electromagnetic compatibility (recast).

The conformity of the designated product has been proven by the complete compliance of the following standards:

DIN EN 55011:2018-05  
DIN EN IEC 61000-3-2:2019-12  
DIN EN 61000-3-3:2020-07  
DIN EN IEC 61000-6-2:2019-11

For the intended use the designated products meet the requirements from European, US, British and Japanese Pharmacopeia.

The products have been examined regarding the compliance of the direction/standards mentioned above.

**gako**

96110 Scheßlitz / Germany

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**gako ION-e**  
User Manual



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