



## Premium Ion Gun and Controller

KSHP02

### Description

This premium ion gun and controller has a built-in piezoelectric high voltage power supply and is also equipped with an auto-balance system which ensures a static neutralising air flow. It is designed for the elimination of static electricity and contamination. External power supply is unnecessary since the device has a small built in H.V power unit. The Ionization performance is tested according to EOS/ESD STM3. 1-200.

### Features

- The lightest and smallest design in the world today.
- Built in piezoelectric high voltage power supply. Thus, it is equipped with auto ion balance system and high voltage wiring; safe and convenient to operate.
- Both the inside high voltage power supply and outside compressed air supply can be opened after pulling the trigger. Safe and easy operation and high efficiency.
- Equipped with ionization indicator light and high voltage abnormality alarm indicator light.
- Auto ion balance  $0 \pm 10V$ .
- The throttle on the controller controls air volume.
- Special alloy discharge needle, durable and wearable; suitable for clean room application. PG.



### Notice Before Use

- The device is not explosion proof. Keep it away from inflammable gas and solution in that it may cause fire or explosion.
- Make use of dry and clean air in order not to affect ionization performance.

Product Code	
KSHP02 / (E)	Controller and power supply cord are standard accessories.

*Manual guide included.*





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Specifications	
<b>Power Supply</b>	DC24V.
<b>Safety Performance</b>	Equipped with ion output monitoring system.
<b>Capacity</b>	12VA.
<b>H.V Output</b>	AC2200V.
<b>Ion Balance</b>	Auto ion balance, $0 \pm 10V$ .
<b>Controller Dimension</b>	120 x 92 x 71.
<b>Accessory</b>	Controller and power supply cord.
<b>Operating Air Pressure</b>	0.1~ 0.6MPA.
<b>Weight</b>	106g.
<b>Ozone Density</b>	Less than 0.01ppm.
<b>Decay Time</b>	Approx 0.3 seconds.

Being light, small and free from electro-magnetism with built in piezoelectric high voltage power supply. Thus, it is equipped with auto ion balance system and high voltage.

### Red Alarm Indicator Light

The device is equipped with abnormal H.V alarm. The red alarm indicator light illuminates when the following situations occur:

- Low output H.V.
- Short circuit.
- Abnormal discharge.
- Wet air supply.
- Turn on and off the device quickly.

← **NOTE:** The test results will vary slightly due to different test conditions.

### Usage of Air Filter: Installation

- Connect the filter to the plug part joining with the gun air pipe.
- Connect the plug part with the controller after pressing both sides of the top of the controller.
- Pay attention to the inlet and outlet of the air filter.

Specifications (Air Filter)	
<b>Air Input</b>	Compressed Air.
<b>Filtering Precision</b>	0.01 um.
<b>Temperature Range</b>	5- 40 ° C

### Guidance for Air Filter

1. Pay attention to the inlet and outlet of the air filter.
2. Make sure the input air is free of water and oil.
3. Avoid sunshine and use the filter inside the room.



*Important Notice: The information contained within this spec sheet is for guidance only. We make no warranties expressed or implied and assume no liability regarding any use of this information. Premium Ion Gun and Controller, March 9th 2020.*