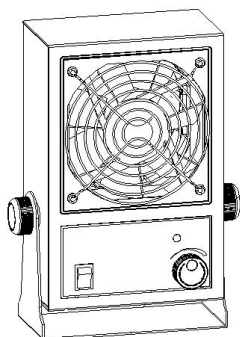




QUICK 443D STATIC ELIMINATOR

Instruction Manual



Thank you for purchasing our products. Please keep the instruction manual properly for future reference.

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1.Safety Instructions



CAUTION

- During the installation and use of this product, all electrical safety regulations of the country and regions must be strictly observed.
- The power supply must be disconnected when disassembling the product. Do not operate with power on.
- If the product does not work properly, please contact the supplier or our company, and do not disassemble or change the product in any way. We are not responsible for any problems caused by unauthorized maintenance or modification.



WARNING

- The product should be used away from places where there is magnetic interference.
- Don't install the product in a place where the surface is easy to shake or be impacted, as it may damage the product.
- Don't place the product in places where it may be exposed to rain or moisture.
- Don't use in flammable and explosive environments.
- After power on, don't touch the ion emitter.
- Please keep the air outlet and inlet unblocked and ensure there is no obstruction.
- In order to avoid electric shock and ensure the performance of static elimination, please make sure the ion grounding terminal is completely grounded.
- Please unplug the power cord when the product is not used for a long time.

2.Overview

The static eliminator is designed to eliminate static electricity of sensitive electronic components. It can be used for inspection, assembly, test and laboratory, and can also be used in some situations where electrostatic charges are problematic. This static eliminator is desktop design, air flow stepless adjustable.

3.Product Characteristics

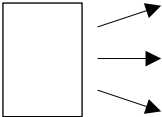
- DC static eliminator with multiple ion emitters, high ion density and good stability.
- Speed-adjustable fan generates large area ion airflow, air flow stepless adjustable.
- Filter mesh fixed by magnet,easy cleaning for ion emitter.
- The output ratio of positive and negative ions is adjustable, which can be used to adjust the ion balance.
- Compliant with safety certification, with electromagnetic protection function, will not cause electromagnetic interference to other equipment.

4.Product Specifications

Product Model	443D
Power Consumption	27W (Max)
Ion Balance	$\pm 10V$
Operation Ambient	0~50°C, 40%~60%RH
High-voltage Output	DC $\pm 5.0KV$
Effective Range	400* 1500mm
Audible Noise	<45dB
Dimension(L*W*H)	244.5*152.5*80mm
Weight	About 2.5Kg

5.Static Eliminating Time Testing

Static eliminating time(S):

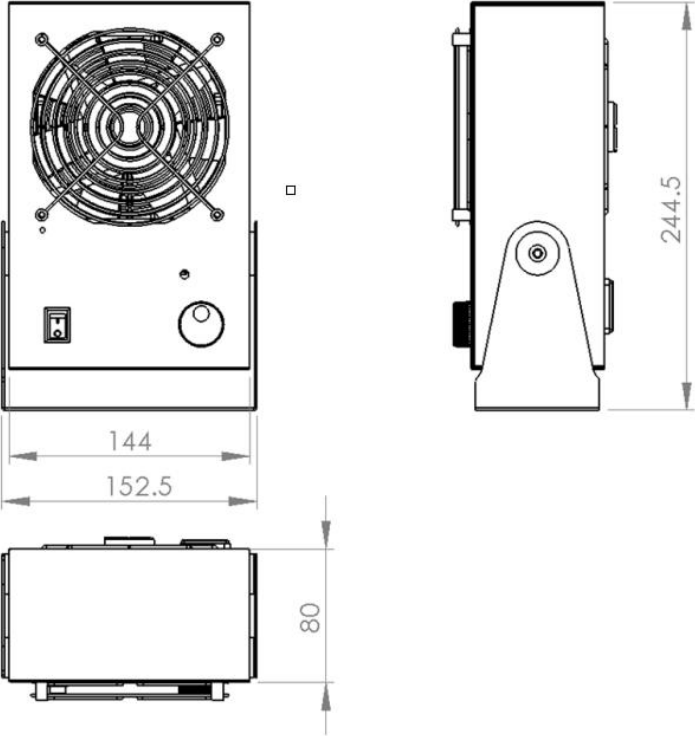
	30cm	60cm	90cm	120cm	
	1.8	3.3	5.9	9.0	15cm
	1.2	2.5	5.2	8.3	Center Line
	1.8	3.3	5.9	9.0	15cm

Note: Test steps should be proceeded in the condition of $22\pm 2^{\circ}\text{C}$ & $45\pm 5\%$ RH.

- 1) The ion balance and static eliminating time are tested according to the ion standard of the American ESD Association (in line with the international ESD standard ANSI/ESD-S20.20-2021).
- 2) The static eliminating time from 1000V to 100V is tested according to the position in the table above.
- 3) The above test data will vary due to changes in temperature, humidity and surrounding environment.

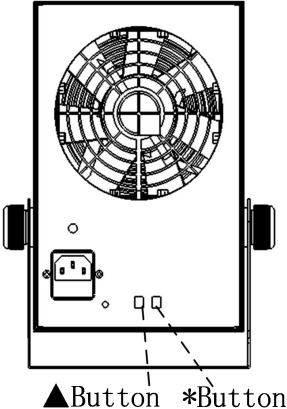
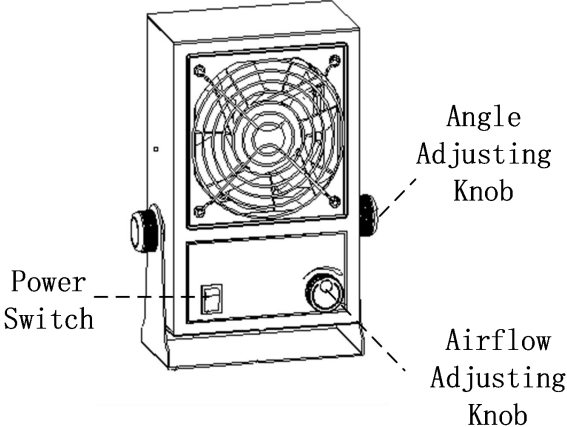
6.Functional Descriptions

6. 1. Dimensions



Unit: mm

6. 2. Part Descriptions



7. Installation

- 1) The base of the static eliminator can be directly placed on the workbench or fixed on the wall and partition.
- 2) When using the static eliminator, it should be placed in working area where static electricity need to be eliminated. The ion air should cover a large area as much as possible, and it should be about 300-900mm away from the object to be eliminated.

8. Operation

1) Connect the power cord

2) Turn on/off the power switch

Turn on the power switch, the power indicator light is on, and the static eliminator starts working with ion airflow out. Turn off the power switch, the power indicator light is off, and the static eliminator stops outputting ion airflow.

3) Airflow adjustment

Adjust the airflow adjusting knob to select suitable airflow. Adjust clockwise to increase the air volume; adjust counterclockwise to decrease the air volume.

9.Maintenance

9. 1. Replacing the Ion Emitter

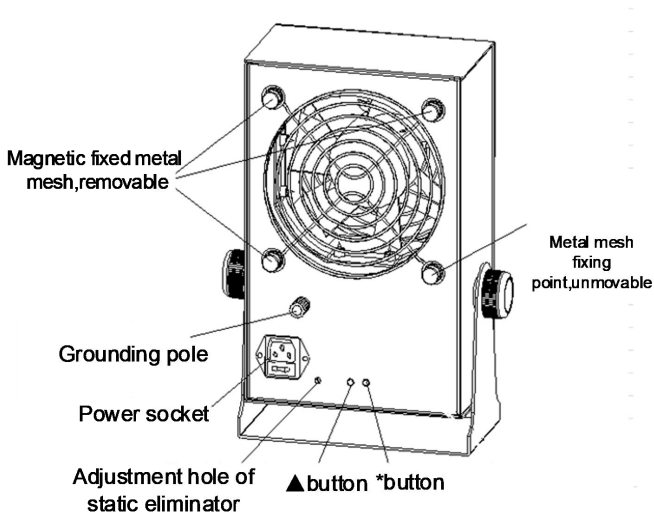
⚠ Warning: There is a high voltage inside the static eliminator, so when professionals clean or replace the ion emitter, they must discharge the two adjacent ion emitter before proceeding.

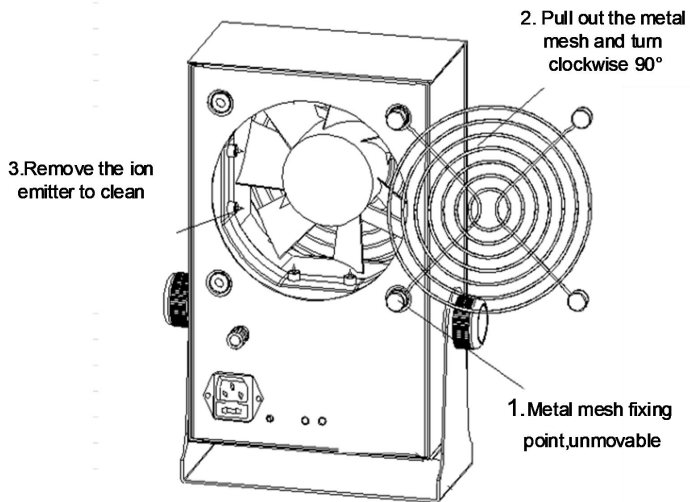
1) The metal mesh from the back of the static eliminator is magnetic fixed, which can be rotated to open for ion emitter maintenance.

2) **Ion emitter cleaning:** remove the brush attached to clean the emitter.

3) Replacing the ion emitter

The ion emitter is fixed by plugging and can be removed with needle-nose pliers and replaced with a new emitter.





9. 2. Ion Output Measurement

Measure the static eliminating time and ion balance with the 432A charge plate monitor.

10.Troubleshooting

ERROR: The air is flowing but the static is not eliminated

CHECK: Does the dust or other objects cover the ion emitter?

ACTION: Clean the ion emitter.

⚠Note: If the problem cannot be solved according to the above list, please contact our company or local agent.

Warranty Card

●The warranty period of this product is calculated from the date of Purchase. During the warranty period, if the product breaks down during normal use, show the original warranty card and enjoy free service in the authorized repair company(or our company). Please keep the purchase certificate and this warranty card and show it before maintenance.

●During the warranty period, the following repairs need to be paid:

- a.Unable to offer valid warranty card or certificate;
- b.The purchase date, sales company and other items are not completely filled or the warranty card is altered;
- c.Damage caused by failure to follow the use methods and precautions in the manual;
- d.Damage caused by disassembly, repair and modification of products without authorization of the manufacturer;
- e.Replacement of vulnerable and consumable parts.

●All items of the warranty card shall be completely filled in by the agent or user to obtain a 12-month warranty period.

●Please keep this warranty card properly It will not be re-offered after.

QUICK INTELLIGENT EQUIPMENT
CO., LTD.
ADD: NO.11, FengXiang Road, Wujin
High-Tech Industrial Development
Zone, Jiangsu, China
TEL: 86-519-86225678
FAX: 86-519-86558599
POSTCODE: 213167
WEBSITE: www.quick-global.com

Warranty Card

Type: _____

Model No.: _____

Serial No.: _____

Delivery Date: _____

Warranty File Card

Type: _____

Model No.: _____

Serial No.: _____

Delivery Date: _____

Address : _____

Postcode: _____

Telephone: _____

Contact Person: _____

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