

Mini Ionizing Air Blower



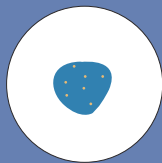


Suitable for electronics, optoelectronics,
semiconductor and other industries

Effectively solve the problems
caused by static electricity



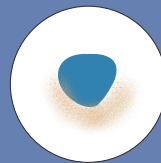
Static Removal



Prevent adhesion of objects



Prevent blockage of adhesion



Control ink splashing

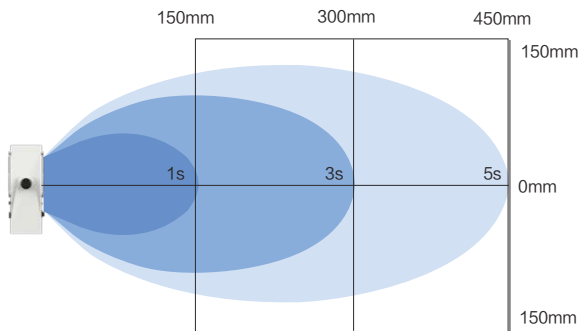


Prevent uneven scattering

High Efficiency Static Removal

Keep a clean production environment and stay away from static electricity

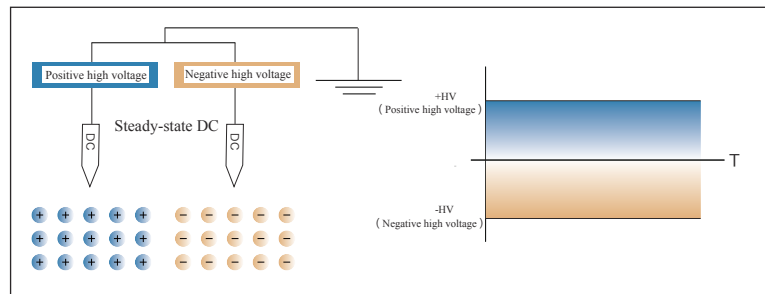
Discharge effect



Test standard: ANSI/ESD.STM3.1, SJ/T 11446—2013
Test instrument: Trek 157 static tester
Test voltage: $\pm 1000\text{V} \rightarrow \pm 100\text{V}$ attenuation
Test environment: humidity 50 \pm 5%; temperature 23 \pm 3 $^{\circ}\text{C}$

Working way

AP-DC2453 mini ionizing air blower uses positive and negative synchronous emission electrodes to generate corona discharge through DC high voltage, ionize air molecules and generate a large number of positive and negative air ions, which are blown to the surface of the object with electrostatic to be eliminated by the axial fan.



Features

Safe / Easy to use / Durable



No.1

Mini type

Compact size and easy to install which can be installed inside other equipment for static removal.

No.2

3 speed adjustment

A button on the back of ionizing air blower to adjust the wind speed of high, middle and low.



No.3

External power adapter

Configure special external power adapter.



No.4

Standard tungsten alloy needle

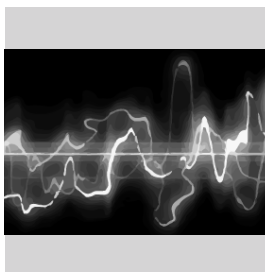
Longer life time compare to titanium and silicon materials.



No.5

CE certification

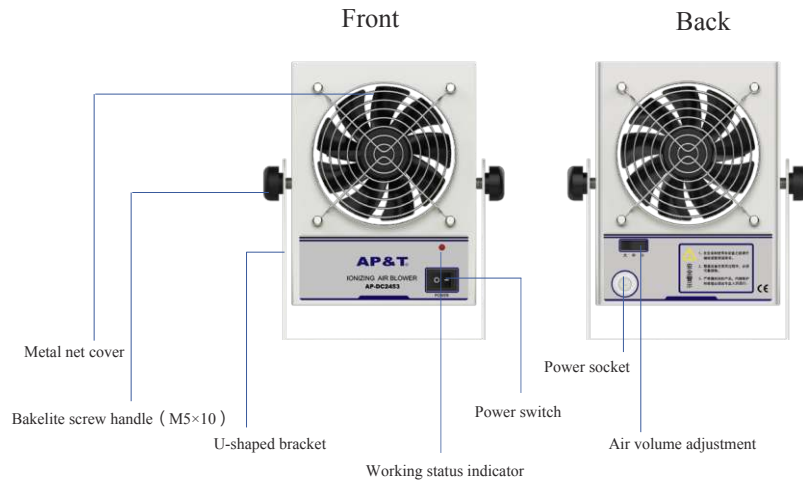
CE certified which is a high-security and high-reliability static eliminator.



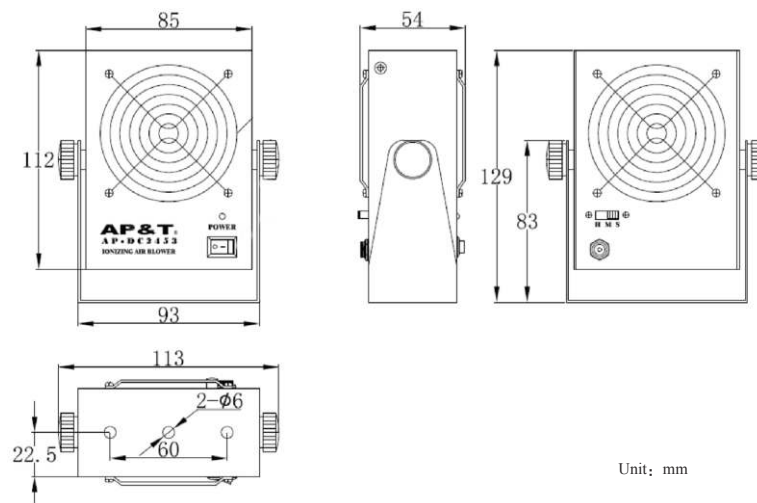
Product specifications

Product details / Product specifications / Product size

Product details



Product size



Product specifications

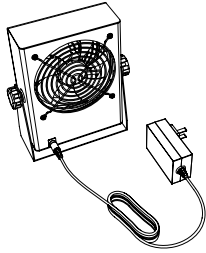
| | |
|-----------------------|--|
| Model | AP-DC2453 |
| Input voltage | DC12V |
| Power | 5.5W |
| Working voltage | ±DC3000-DC5000V |
| Ion emission | Steady-state DC |
| Emitter electrode | Tungsten Alloy |
| Discharge structure | Uncoupled electrical contact (discharge cylinder) |
| Discharge range | 450*300mm (L*W) |
| Discharge speed | ≤ 1.5s (150mm away from the air outlet) |
| Ion balance | -15V ~ +15V (150mm away from the air outlet) |
| Alarm indicator | The power indicator light on indicates working normally |
| Air volume | ≤ 48.2CFM |
| Noise | ≤ 38.9db (1m away from the air outlet) |
| Ozone thickness | ≤ 0.05ppm (150mm away from the air outlet) |
| Working temperature | 0-50℃ |
| Working humidity | 30-70%RH |
| Dimensions | 85*54*112mm (L*W*H) (Fan body size) |
| Shell material | Aluminum powder spray |
| Packaging accessories | 1 pair of U-shaped aluminum spray powder mounting bracket, 1 pair of bakelite screw handles(M5×10) |
| Power adapter | INPUT:AC100-240V 50/60Hz; OUTPUT:DC12V 1000mA |
| Net weight | 350g (Fan body, including mounting bracket and screw handle) |
| Gross weight | 600g |
| Warranty | 1Year |
| Certification | CE |

Products Use

Step of use/Installation position/Packing accessories

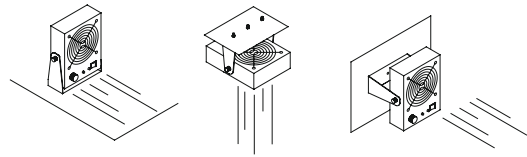
Step of use

1



Take out the power adapter from the packing box and connect the ionizing air blower.
Place the ionizing air blower close to the working area (about 150~450mm away from the object with electrostatic to be eliminated), and the air outlet of the ionizing air blower must be vertically aligned with the object to be eliminated.

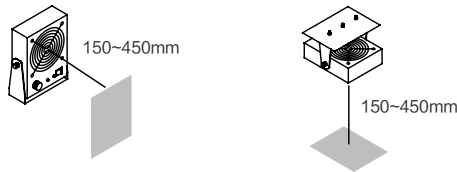
2



Use screws or bolts to fix on a firm and flat surface (such as a wall or shelf). The angle of ionizing air blower can be adjusted by the knobs on both sides of the bracket to achieve the best static elimination effect.

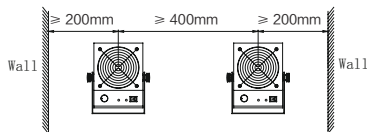
Installation position

1. Place the ionizing air blower in the working area where static electricity is to be eliminated. And the installation angle should be perpendicular to the surface of the charged body and about 150 to 450 mm away from the static electricity object.

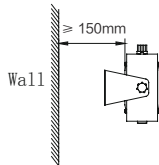


2. Ionizing air blower should be at least 300mm away from the metal conductor and metal grounding body.

3. Two ionizing air blowers should be installed side by side with an interval of more than 400mm and more than 200mm away from obstacles such as walls.



4. The air inlet is at least 150mm away from the wall.



Packing accessories

| Part name | Picture | Part No. | Specification |
|---------------|---------|-----------|--|
| Power Adapter | | 0DYK00602 | DSS28-1202000-F 100-240V~1.0A 50/60HZ 12V-2.0A |

▲ Safety warning

1. Read the operating instruction carefully before installing and using the device.
2. Do not use the device when the humidity is higher than 70%.
3. Do not use the device in inflammable and explosive environment.
4. It is strictly forbidden to disassemble products without authorization. Internal maintenance and repair must be carried out by professional personnel.
5. The product is strictly prohibited to touch liquid during use, otherwise there will be abnormal, resulting in electric shock or fire.
6. Power must be turned off during inspecting or replacing the product, otherwise it may cause electric shock or fire.
7. The product is specially designed for removing static electricity and is strictly prohibited for other purposes. Any abnormal use may cause machine failure, electric shock, fire and other hidden dangers.
8. It is strictly forbidden to touch the electrode needles when power is on, otherwise it is easy to cause fault and electric shock accident.
9. Discharge needle is a sharp metal object, please use it with care.
10. Please check the specifications of the power supply before powering on the product. Any power supply that does not meet the specifications may cause damage or even failure to the product.
11. Check the power cord regularly. If it is damaged, replace it immediately; otherwise, leakage and abnormal operation may occur.

▲ Trouble shooting

| NO | Problems | Reasons | Solutions |
|----|--|---|--|
| 1 | The indicator on the fan panel is off | Poor contact of the power cable | Check whether the power cable is in good condition and securely connected |
| | | Power supply mismatch | Confirm the power supply specification (INPUT: 100—240VAC 50/60Hz; OUTPUT: 12VDC 1000mA) |
| 2 | The electrostatic removal performance is obviously reduced | Discharge needle is polluted and damaged | Clean or replace the discharge needle |
| | | Bearing set of ionizing air blower is improper | Confirm the best bearing set |
| 3 | The electrostatic removal performance is reduced | There are conductors or other ionizing air blowers around | Remove (moving) conductors or other ionizing air blowers |
| 4 | Unable to discharge | High voltage module is damaged | Return to factory for maintenance |
| | | Main-board chip is damaged | Return to factory for maintenance |
| 5 | The product is smoky or burnt | The main control board components are burnt out | Return to factory for maintenance |

▲ Maintenance

1. The ionizing air blower should be cleaned and maintained in time according to the use environment and the required electrostatic protection requirements in order to ensure the good performance of the product. That is, gently remove the carbon deposits on the discharge electrode and metal net cover with electrostatic brush, dust-free cotton swab, dust-free cloth dipped in anhydrous alcohol.
Note:
A、 Operation must be done 10 minutes after power cut off.
B、 It must be cleaned when dust or white stuff appear on the tip of the needle during use.
C、 The ionizing air blower must be powered on after alcohol is completely volatilized after cleaning. No other organic solvent can be used to clean the ionizing air blower.
D、 The alloy electrode is a consumable product which is not included in the scope of warranty and will be charged for replacement when repairing.
2. Do not press or rotate the control buttons on the fan panel too hard; otherwise, the device will be permanently damaged.
3. If the working indicator light on the front panel of the fan is off or red, it should be stopped and repaired by professional maintenance personnel. It can be used only after the electrical performance index is normal.

▲ After-sales service

1. AP- DC2453 mini ionizing air blower has undergone rigorous testing and aging treatment before ex-work. Its performance has completely reached the relevant indicators marked in the usage instruction.
2. AP&T makes a commitment to the customer that any defective parts inspected by AP&T will be repaired or replaced free of charge within one year from the date of purchase. However, this commitment does not apply to: The device is incorrectly used or installed; Damage caused by negligence or accident during use; Modified, disassembled or repaired by other service departments not authorized by Anping Company.
3. AP&T shall not be liable for any incorrect use of the products except for repair or replacement of parts as specified above.

AP&T®

AP&T

Professional electrostatic intelligent monitoring/analysis
and elimination solution provider

Speciality Creates Value

Shanghai Anping Static Technology Co.,Ltd

Tel : +86-21-64517676

Fax : +86-21-64517673

Postcode : 200233

Website : www.ap-static.com

Address : 3/F, Building 27, No.69, Guiqing Road, Shanghai, China



AP&T