



# Mini Self-Cleaning Low Maintenance Ioniser



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# Mini Self-Cleaning Low Maintenance Ioniser

KS2451M

## Description

The KS2451M mini self-cleaning low maintenance ioniser adopts DC working method and is compact and small in size, measuring 85 x 45 x 112mm (LxWxH). This type of ioniser can be installed inside of a device for static elimination. The ioniser is safe and reliable with stable performance and has low power consumption with a long service life. Suitable for electronics, optoelectronics, semiconductor and other industries. The KS2451M features a button on the back of the ioniser to adjust the wind speed of high, middle and low. It has a standard tungsten alloy needle which offers longer lifetime compared to titanium and silicon materials. The KS2451M is CE certified ensuring a high-security and high-reliability static eliminator. Supplied with UK power supply as standard, EU power supply available on request.



85 x 45 x 112mm (LxWxH)

## Key Features

- Three-speed adjustment wind speed (high, middle and low)
- Can be installed inside other equipment for static removal
- CE certification with electromagnetic protection function
- Standard tungsten alloy needle with longer service life
- The front and rear mesh cover is removable
- Fan body size: 85 x 54 x 112mm (LxWxH)
- Compact size and easy to install
- Small power and long service life
- The circuit is stable, safe and reliable
- UK plug as standard, EU plug available on request
- Configure the dedicated external power adaptor
- Supplied with instruction manual

## Effectively solve the problems caused by static electricity



Prevent uneven scattering



Prevent adhesion of objects



Prevent blockage of adhesion



Control ink splashing



Static removal

# Mini Self-Cleaning Low Maintenance Ioniser

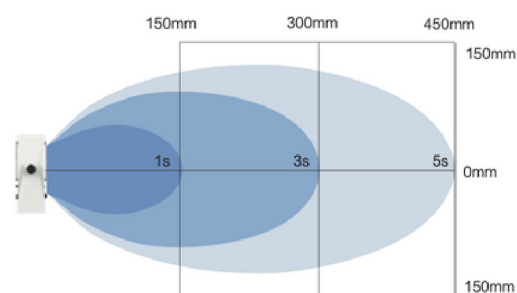
KS2451M

Properties	Value
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 x 300mm (LxW)
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°C
Working Humidity	30-70%RH
Dimensions	85 x 54 x 112mm (LxWxH) (Fan body size)
Packaging Accessories	1 pair of U-shaped aluminium spray powder mounting bracket, 1 pair of bakelite screw handles (M5×10)
Shell Material	Aluminum powder spray
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	1 Year
Certification	CE

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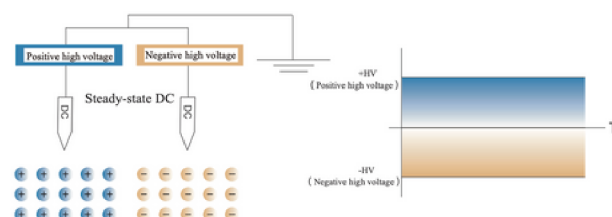
KS2451M

Discharge Effect	Value
Test Standard	ANSI/ESD.STM3.1, SJ/T 11446—2013
Test Instrument	Trek 157 static tester
Test Voltage	$\pm 1000V \rightarrow \pm 100V$ attenuation
Test Environment	Humidity $50 \pm 5\%$ ; Temperature $23 \pm 3^\circ C$

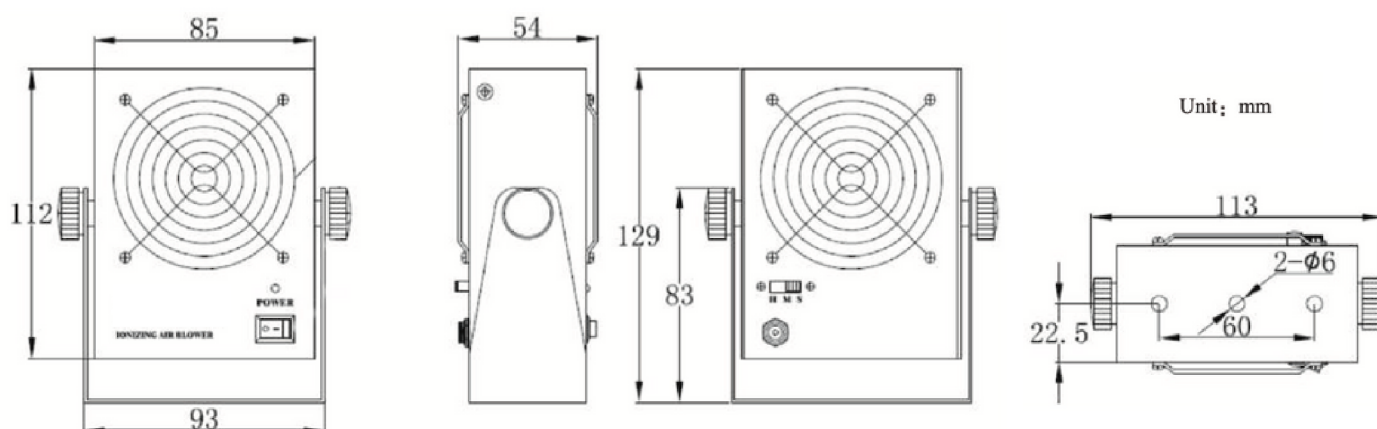


## Working Mode

KS2451M ioniser uses positive and negative synchronous emission electrodes to generate corona discharge through DC high voltage, ionise air molecules, produce a large number of positive and negative polar air ions, and blow them to the surface of the eliminated object by the axial flow fan for electrostatic elimination.



## Product Size

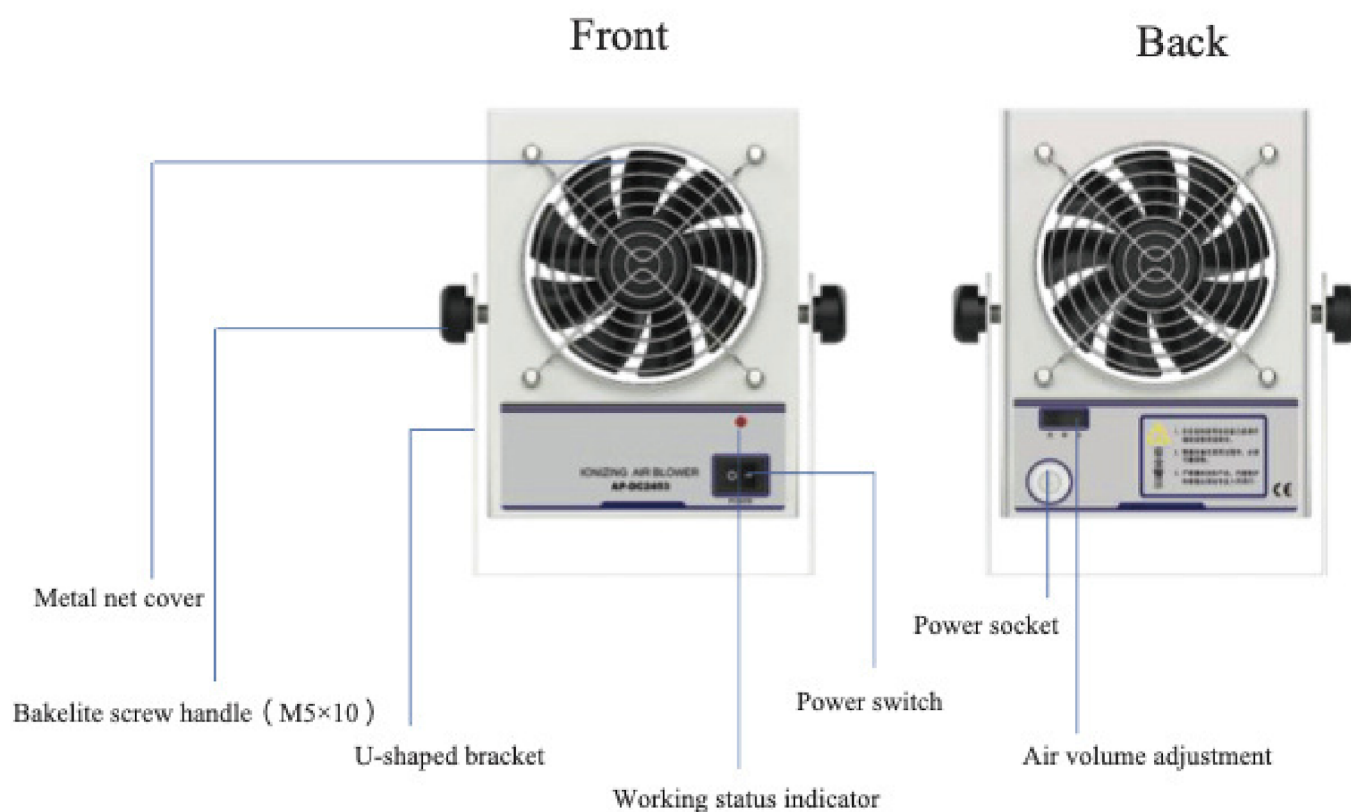




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KS2451M

## Product Details



# Mini Self-Cleaning Low Maintenance Ioniser

KS2451M

## Maintenance

**1)** The ionising 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 ionising 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)** KS2451M mini ionising 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)** Bondline makes a commitment to the customer that any defective parts inspected by Bondline 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 authorised by Anping Company.

**3)** Bondline shall not be liable for any incorrect use of the products except for repair or replacement of parts as specified above.



# Eliminate Costly Static Damage...

Whether you are experiencing unacceptable levels of damage in transit, need a specific cleanroom solution or simply don't know which ESD safe equipment is best for you, we can help!

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