

# Aerostat® Guardian™ Overhead Ioniser

Provides superior static charge decay efficiency over an entire work surface area. Equipped with task lighting and an integrated heater, the Guardian offers user-friendly operation while effectively protects sensitive components from ESD damage.



### **Features**

- Inherently balanced to 0 ± 5V
- Integrated heater and task lights
- AC technology
- Ionisation light
- Patented emitter point cleaner
- Enclosure: Aluminium
- Finish: Powder Coat
- Agency Approvals: UL and CUL Listed; CE Complaint

#### **Benefits**

- Protects even the most sensitive electronic components
- User friendly enhances operator comfort and efficiency
- Stable balance over extended periods of use
- Verifies that the unit is ionising
- Easy to maintain

# **Applications**

- Disk Drive Manufacturing
- Medical Device Parts Assembly and Packaging
- Semiconductor Manufacturing

| Size (W x H x D)             | 42 <sup>3</sup> / <sub>4</sub> x 4 x 6 <sup>3</sup> / <sub>4</sub> in. 108.6 x 10.2 x 17.1 cm |  |
|------------------------------|---|--|
| Weight                       | 16lbs (7.3kg)   |  |
| Air Volume Output            | Combined 3-fan output: 150CFM – 300CFM (low – high)   |  |
| Area Coverage                | 2 x 4 ft.   |  |
| Ion Balance (offset voltage) | 0 ± 5V  |  |
| Discharge Time               | 3.0 seconds   |  |
| Operating Temp.              | 32°F (0°C) – 122°F (50°C)   |  |
| Light Output                 | 1650 Lumens total   |  |
| Light Colour Temp.           | 3500°K  |  |
| Replacement Lamp             | 13W twin tube compact fluorescent   |  |
| Optional Air Filter          | 30ppi open cell polyurethane foam   |  |

<sup>\*</sup> Test conducted in accordance with EPA EQOA-0577-019 using Dashibi Ozone Monitor Model 1003AH.

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<sup>\*\*</sup> Discharge time in seconds (1000V – 100V) determined per EOS/ESD Association Standard No. 3; Unit at 18" above test plate, fans at high speed, model with diffusers. Discharge times slightly longer for 230 VAC, 50Hz



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## **Power Requirements**

- 120V AC, 60Hz:
- 0.5 Amps (fan speed low, heater and light off)
- 2.5 Amps (fan speed high, heater and light on)
- 230V AC, 50Hz:
- 0.2 Amps (fan speed low, heater and light off)
- 1.5 Amps (fan speed high, heater and light on)

### **Heated Temperature Above Ambient**

Measured 6 in. from front of centre fan:

• Fan Speed Low: 25°F (14°C)

Fan Speed High: 11°F (6°C)

### **Audible Noise**

Measured 2 ft. from unit:

Fan Speed Low: 50dB(A)

Fan Speed High: 60dB(A)

### **Ozone Production**

Measured 12 in. from unit:

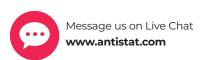
• 0.02ppm

| Product Code | Description                                | Additional notes |
|--------------|--|------------------|
| 095-0031     | Aerostat® Guardian™ Overhead Ioniser (UK)  | Each             |
| 095-0040     | Aerostat® Guardian™ Overhead Ioniser (USA) | Each             |









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