



Overhead Ionizing Blower

AEROSTAT[®] GUARDIAN

Simco-Ion's Aerostat Guardian Overhead Ionizing Blower provides superior static charge decay over an entire work surface area. Equipped with task lighting and an integrated heater, the Guardian offers user-friendly operation while effectively protecting sensitive components from ESD damage.

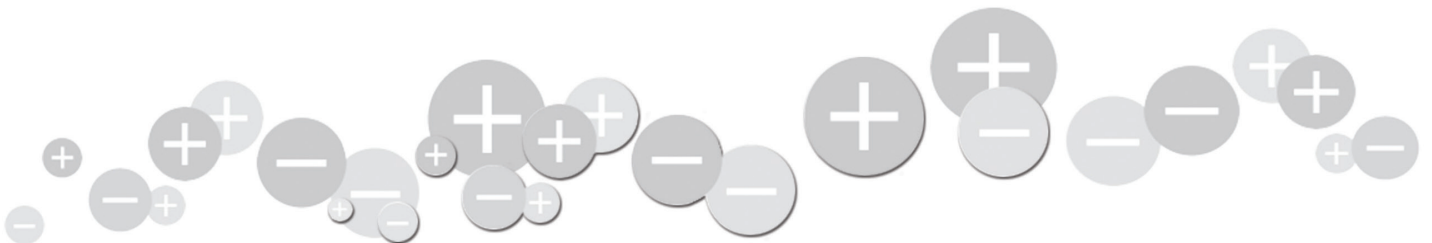
Featuring Simco-Ion's patented inherent balance and built-in emitter point cleaners, the Guardian is the lowest maintenance overhead ionizer available. Like Simco-Ion's other Aerostat series ionizing air blowers, the Guardian operates on Inherent Balanced AC Technology to provide stable balance performance over long periods of use. It is available with airflow diffusers for superior static charge decay efficiency over a large work surface area. Without diffusers, the Guardian provides fast charge decay directly under the unit for targeted work surface coverage.





Features

- Inherently balanced to $0 \pm 10V$
- Integrated heater and task lights
- Inherent Balanced AC Technology
- Ionization light
- Integrated manual emitter point cleaner

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 ionizing
- Easy to maintain



Aerostat Guardian	
Input Voltage	120 VAC, 60 Hz, 0.5A (fan low, heater/light off); 2.5A (fan high, heater/light on) 230 VAC, 50 Hz, 0.2A (fan low, heater/light off); 1.5A (fan high, heater/light on)
Discharge¹	3.0 sec @ 18" (45.7 cm) center of blower; 1000-100V fan high, no diffuser
Balance	0 ±10V @ 18" (45.7 cm) from blower face
Coverage	24"W x 48"L (61.0 cm x 121.9 cm) area
Ion Emission	Inherent Balanced AC Technology
Emitter	Stainless Steel
Cleanroom Class	ISO 14644-1 Class 5 (heater off)
LED Indicator	Orange IONIZATION STATUS, Orange within On/Off switches HEATER & TASK LIGHT
LED Lamp	2 ea x 5W, 508 Lumen
Control	Fan speed control knob BLOWER ON; On/Off switch HEATER & TASK LIGHT
Air Supply	Volume: 150-300 cfm (low to high); combined 3-fan output Filter: 30 ppi open cell polyurethane foam (optional) Heated Temp: 25°F (14°C) fan low, 11°F (6°C) fan high; measured 6" (15.2 cm) in front of center fan above ambient
Audible Noise	50 dBA (fan low), 60 dBA (fan high)
Ozone	0.02 ppm; measured 12" (30.5 cm) in front of blower
Operating Env	32-122°F (0-50°C); 30-70% RH, non-condensing
Mounting	Adjustable brackets and S-hooks provided
Enclosure	Powder-coated white enamel aluminum
Dimension	42.75"W x 4.44"H x 6.78"D (108.6 x 11.3 x 17.2 cm) with bracket
Weight	16 lb (7.26 kg)
Warranty	Two year limited warranty
Certification	 230V, 50 Hz  120V, 60 Hz  

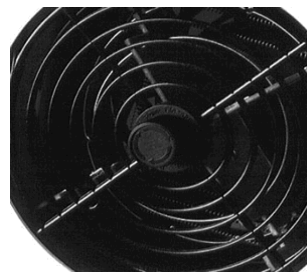
1. Tested in accordance with ANSI/ESD STM3.1-2015.

Ordering Information

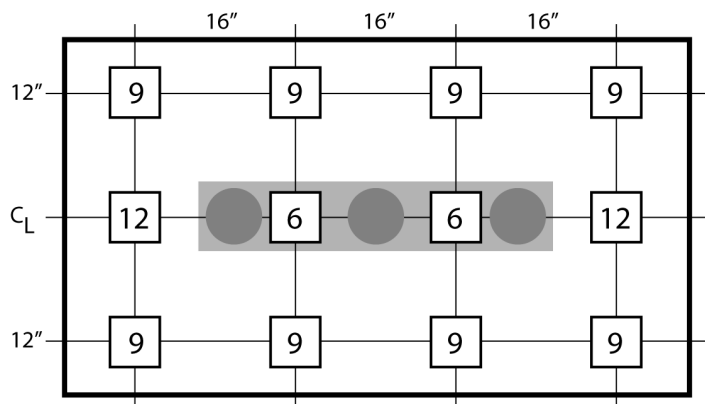
91-GUARDD-US01	Aerostat Guardian, 120V, 60 Hz
91-GUARD-US01	Aerostat Guardian (no diffusers), 120V, 60 Hz
91-GUARDD-EU01	Aerostat Guardian, 230V, 50 Hz, (EU)
91-GUARDD-UK01	Aerostat Guardian, 230V 50 Hz, (UK)
4710017	Aerostat Guardian Air Filter Retainer (1 per fan required)
4100810	Aerostat Guardian Air Filter Pack (6 filters)
13-20520	Aerostat Guardian Task Light LED Lamp, 13W (2 per blower)

Emitter Point Cleaner

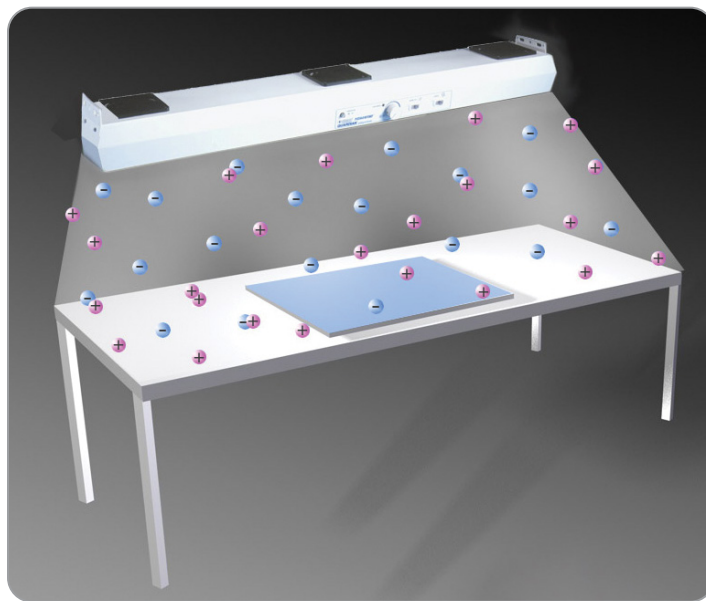
The Aerostat Guardian features a built-in manual emitter point cleaner for each fan. Using the emitter point cleaner takes only seconds. Cleaning the emitter points prevents the build-up of airborne debris. This keeps your Aerostat Guardian working in top form for the life of the unit.



Discharge Times Performance



Discharge time in seconds (1000-100V), fan speed set to high. Guardian blower 18" from CPM measuring plate. CPM test plate 1" from table. Discharge times slightly longer for 230 VAC, 50 Hz unit.



Overhead Ionization Application

SIMCO IONTM
An ITW Company

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