

Aerostat® PC™ Personalized Coverage Ionizing Air Blower



SIMCO's Aerostat PC Personalized Coverage Ionizing Air Blower provides superior static charge decay rates over a targeted work surface area. Small, quiet, and lightweight, yet uncompromising in performance, SIMCO's Aerostat PC is easy to position. It is designed to provide optimum protection from the destructive effects of ESD and to prevent contaminants from being attracted to surfaces.

The Aerostat PC is Inherently balanced to 0 ± 5 V, which ensures that even the most sensitive components are protected from ESD damage. It features variable fan speed control and SIMCO's patented emitter point cleaner for easy maintenance. A status light verifies the presence of ionization.

Features

- Quickly neutralizes static charges with targeted ionization
- Inherently balanced to 0 ± 5 V
- Patented emitter point cleaner
- Variable speed fan and integrated heater
- Ionization indicator
- Compact and portable

Benefits

- Superior ionizing performance
- Ensures ESD protection for sensitive components
- Simple, safe operation and maintenance
- Personalized control of airflow and temperature
- Indicates presence of ionization on emitter points
- Requires minimal space

Typical Applications

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

Aerostat PC provides targeted coverage on a work area.

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Specifications

Power Requirements

120 VAC, 60 Hz

0.1 Amp (fan speed low, heater off)

1.7 Amp (fan speed high, heater on)

230 VAC, 50 Hz

0.1 Amp (fan speed low, heater off)

0.9 Amp (fan speed high, heater on)

Size

5.5" W x 8.625" H x 3.25" D

Weight

5.3 lbs (2.4 kg)

Air Volume

35 CFM – 70 CFM (low – high)

Effective Coverage

1' x 5' area coverage

Ion Balance

0 ±5 V

Ionization Indicator

ON/OFF status light indicates presence of high voltage on emitter points

Discharge Time

1.5 second at 1'; fan speed high
(1000 V to 100 V)

Operating Temperature

32° F (0° C) – 122° F (50° C)

Heated Air Temperature

Fan Speed Above Ambient

Low 25° F (14° C)

High 11° F (6° C)

Ozone Production

0.005 ppm measured 6" in front of unit. Test conducted in accordance with EPA EQOA-0577019 using Dasibi Ozone Monitor model 1003AH

Air Velocity

Fan Speed 1 ft. 2 ft. 3 ft. 4 ft.

Low 250 200 150 125

High 500 400 300 250

Velocity in FPM measured at center line of air stream.

Audible Noise

Fan Speed Noise

Low 50 dB

High 57 dB

Measured 2' from unit.

Enclosure

Aluminum

Finish

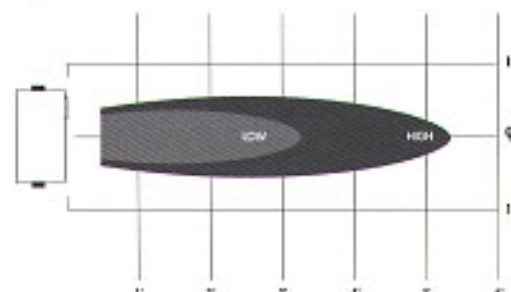
Acrylic Enamel

Agency Approvals

UL and CUL Listed; CE Compliant

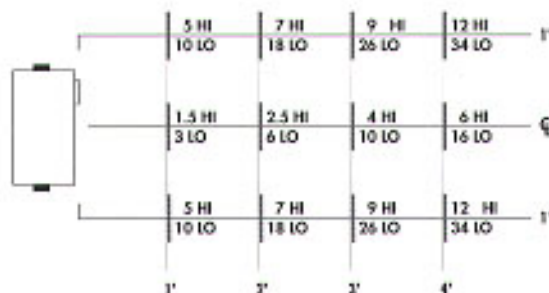
Aerostat PC Performance (Low and high fan speeds)

Each region represents a discharge time of less than 10 seconds. Discharge time determined per EOS/ESD standard No. 3, 1000 V to 100 V.



Charge Decay Efficiency (Discharge time)

Offset voltage and discharge time determined as per EOS/ESD Standard No. 3, using 6" x 6", 20 pF plate (charged plate monitor). Discharge times are in seconds from 1000 V to 100 V. (Discharge times are slightly longer for 230 V, 50 Hz.)



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YOUR LOCAL REPRESENTATIVE

