



# Ionizing Air Blower

## AEROSTAT<sup>®</sup> PC

Simco-Ion's Aerostat PC Ionizing Air Blower provides localized coverage with superior charge decay efficiency. The Aerostat PC operates on AC technology and is designed to provide ionization to a targeted work surface.

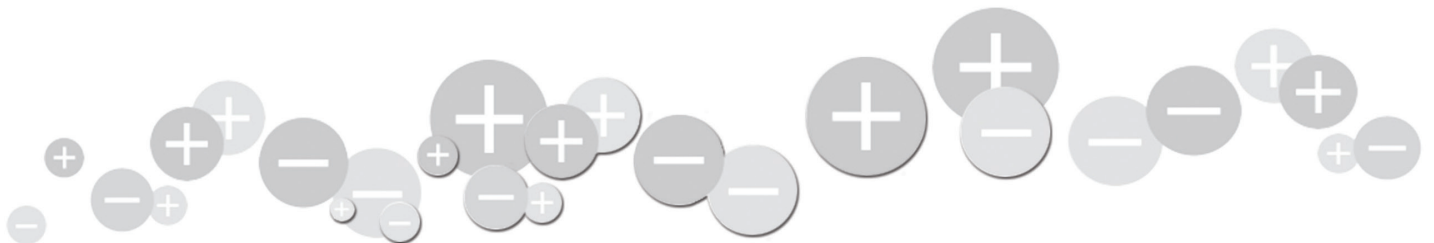
Distinguished by its variable fan speed control, heater element, and emitter point cleaner, the Aerostat PC is an excellent choice for eliminating static in production processes. While helping to protect products and personnel from the effects of static discharge, the Aerostat PC is lightweight, small, and quiet – making it easy for the user to direct the ionization where it is needed.





### Features

- Discharge time of 1.5 seconds at 1 foot\*
- Lightweight, compact and quiet for unobtrusive use
- Built-in emitter point cleaner
- Variable speed fan for airflow control
- Status lamp indicates high voltage is present at the emitter points
- Integrated heater for warm air flow
- Optional fan air filter

### Benefits

- Fast, targeted neutralization of static charges
- Directed ionization designed for workbench area
- Minimizes the time required to perform normal maintenance
- Matches ionization performance to targeted work area
- Minimizes component loss due to unintentional ionization stoppage
- User comfort helps to insure that ionization remains on
- Protection for internal components from environmental contamination



|                                 |  |     |     |     |    |    |          |     |     |     |     |           |     |     |     |     |
|---------------------------------|--|-----|-----|-----|----|----|----------|-----|-----|-----|-----|-----------|-----|-----|-----|-----|
| <b>Input Voltage</b>            | 120 VAC, 60 Hz: 1.7A (fan high, heater on); 0.1A (fan low, heater off)<br>230 VAC, 50 Hz: 0.9A (fan high, heater on); 0.05A (fan low, heater off)  |     |     |     |    |    |          |     |     |     |     |           |     |     |     |     |
| <b>Discharge<sup>1</sup></b>    | 1.5 sec @ 1' (1000-100V) fan high  |     |     |     |    |    |          |     |     |     |     |           |     |     |     |     |
| <b>Balance</b>                  | ±10V @ 1'  |     |     |     |    |    |          |     |     |     |     |           |     |     |     |     |
| <b>Ion Emission</b>             | AC Ionization  |     |     |     |    |    |          |     |     |     |     |           |     |     |     |     |
| <b>Emitter Points</b>           | Stainless Steel  |     |     |     |    |    |          |     |     |     |     |           |     |     |     |     |
| <b>Coverage</b>                 | 1' x 5' area   |     |     |     |    |    |          |     |     |     |     |           |     |     |     |     |
| <b>Controls</b>                 | HEATER ON/OFF switch; BLOWER ON fan speed control knob   |     |     |     |    |    |          |     |     |     |     |           |     |     |     |     |
| <b>Indicator Lights</b>         | Orange IONIZATION STATUS   |     |     |     |    |    |          |     |     |     |     |           |     |     |     |     |
| <b>Airflow</b>                  | 35-70 cfm  |     |     |     |    |    |          |     |     |     |     |           |     |     |     |     |
| <b>Heated Air Temp</b>          | Fan High: 12-15°F (7-8°C) above ambient; Fan Low: 6-8°F (4-5°C) above ambient, measured at 12" in front of blower (Heater optional)  |     |     |     |    |    |          |     |     |     |     |           |     |     |     |     |
| <b>Audible Noise</b>            | Fan speed low 50 dB; fan speed high 57 dB (2' from unit)   |     |     |     |    |    |          |     |     |     |     |           |     |     |     |     |
| <b>Air Velocity<sup>2</sup></b> | <table border="1"> <tr> <td></td> <td>1'</td> <td>2'</td> <td>3'</td> <td>4'</td> </tr> <tr> <td>Fan Low:</td> <td>250</td> <td>200</td> <td>150</td> <td>125</td> </tr> <tr> <td>Fan High:</td> <td>500</td> <td>400</td> <td>300</td> <td>250</td> </tr> </table>  |     | 1'  | 2'  | 3' | 4' | Fan Low: | 250 | 200 | 150 | 125 | Fan High: | 500 | 400 | 300 | 250 |
|                                 | 1'   | 2'  | 3'  | 4'  |    |    |          |     |     |     |     |           |     |     |     |     |
| Fan Low:                        | 250  | 200 | 150 | 125 |    |    |          |     |     |     |     |           |     |     |     |     |
| Fan High:                       | 500  | 400 | 300 | 250 |    |    |          |     |     |     |     |           |     |     |     |     |
| <b>Operating Env.</b>           | Temperature 59-95°F (15-35°C); humidity 30-70% RH, non-condensing  |     |     |     |    |    |          |     |     |     |     |           |     |     |     |     |
| <b>Ozone</b>                    | 0.005 ppm measured 6" in front of unit; test conducted in accordance with EPA EQQA-0577-019 using Dasibi Ozone Monitor Model 10030AH   |     |     |     |    |    |          |     |     |     |     |           |     |     |     |     |
| <b>Air Filter</b>               | 30 ppi open cell polyurethane foam (optional)  |     |     |     |    |    |          |     |     |     |     |           |     |     |     |     |
| <b>Mounting</b>                 | Metal Mounting Stand/Bracket included  |     |     |     |    |    |          |     |     |     |     |           |     |     |     |     |
| <b>Enclosure</b>                | Aluminum/Polyester Epoxy   |     |     |     |    |    |          |     |     |     |     |           |     |     |     |     |
| <b>Weight</b>                   | 5.7 lbs (2.6 kg)   |     |     |     |    |    |          |     |     |     |     |           |     |     |     |     |
| <b>Dimensions</b>               | 8.625H x 5.5W x 3.25D in. (14 x 22 x 8.4 cm)   |     |     |     |    |    |          |     |     |     |     |           |     |     |     |     |
| <b>Warranty</b>                 | Two year limited warranty  |     |     |     |    |    |          |     |     |     |     |           |     |     |     |     |
| <b>Certifications</b>           |  230V, 50 Hz  US 120V, 60 Hz   |     |     |     |    |    |          |     |     |     |     |           |     |     |     |     |

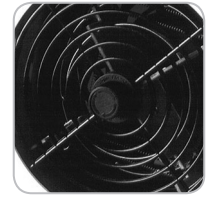
1. Tested in accordance with ANSI/ESD STM3.1-2015.  
2. Velocity is FPM measured at center line of airstream.

## Ordering Information

|         |  |
|---------|--|
| 4003367 | Aerostat PC with Heater, 120V, 60 Hz, North America            |
| 4003368 | Aerostat PC with Heater, 230V, 50 Hz, Continental Europe       |
| 4008087 | Aerostat PC with Heater, 230V, 50 Hz, United Kingdom           |
| 4015566 | Aerostat PC with Heater, 230V, 50 Hz, China                    |
| 4008465 | Aerostat PC without heater, 100 VAC, 50/60 Hz, Japan           |
| 4016616 | Aerostat PC without heater, 120 VAC, 60 Hz, North America      |
| 4010592 | Aerostat PC without heater, 230 VAC, 50 Hz, Continental Europe |
| 4016615 | Aerostat PC without heater, 230 VAC, 50 Hz, China              |
| 4710017 | Aerostat Air Filter Retainer                                   |
| 4100810 | Aerostat PC Air Filter (6-pack)                                |

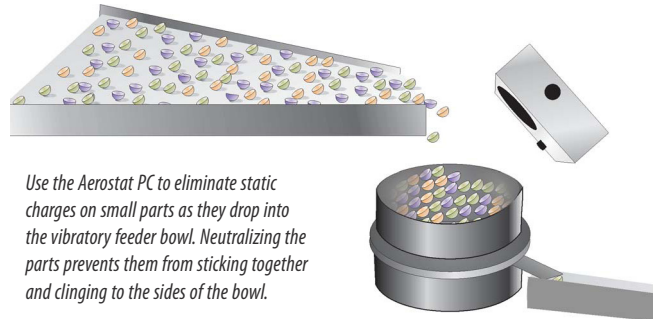
## Emitter Point Cleaner

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



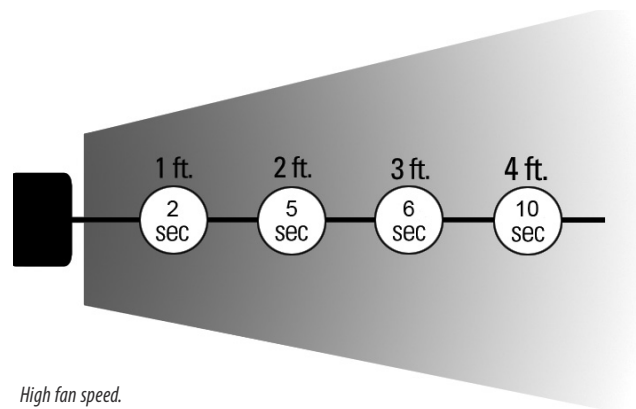
## Applications

The Aerostat PC was designed for use with sensitive electronic components, where electrostatic charge is a problem. The Aerostat PC can also be used where static electricity causes problems such as attraction of dirt to product, misalignment of small parts due to electrostatic "jumping" and undesirable adhesion of plastic films due to electrostatic charge.



Use the Aerostat PC to eliminate static charges on small parts as they drop into the vibratory feeder bowl. Neutralizing the parts prevents them from sticking together and clinging to the sides of the bowl.

## Discharge Times (typical)



High fan speed.

**SIMCO ION**™

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