SIMCO ION™
An ITW Company

Ionization Solutions

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Ionizing Air Blower

AEROSTAT® 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

* Tested in accordance with ANSI/ESD STM3.1-2006.

Specifications

Input Voltage	120 VAC, 60 Hz: 1.7A (fan high, heater on); 0.1A (fan low, heater off) 230 VAC, 50 Hz: 0.9A (fan high, heater on); 0.05A (fan low, heater off)
Discharge	1.5 sec @ 1′ (1000-100V)[1] fan high
Balance	±10V @ 1′
Ion Emission	AC Ionization
Emitter Points	Stainless Steel
Coverage	1′ x 5′ area
Controls	HEATER ON/OFF switch; BLOWER ON fan speed control knob
Indicator Lights	Orange IONIZATION STATUS
Airflow	35-70 cfm
Heated Air Temp	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)
Audible Noise	Fan speed low 50 dB; fan speed high 57 dB (2′ from unit)
Air Velocity[2]	1′ 2′ 3′ 4′ Fan Low: 250 200 150 125 Fan High: 500 400 300 250
Operating Env.	Temperature 59-95°F (15-35°C); humidity 30-70% RH, non-condensing
Ozone	0.005 ppm measured 6″ in front of unit; test conducted in accordance with EPA EQQA-0577-019 using Dasibi Ozone Monitor Model 10030AH
Air Filter	30 ppi open cell polyurethane foam (optional)
Mounting	Metal Mounting Stand/Bracket included
Enclosure	Aluminum/Polyester Epoxy
Weight	5.7 lbs (2.6 kg)
Dimensions	8.625H x 5.5W x 3.25D in. (14 x 22 x 8.4 cm)
Warranty	Two year limited warranty
Certifications	CE 230V, 50 Hz c UL us 120V, 60 Hz RoHS2

1. Tested in accordance with ANSI/ESD STM3.1-2006.
2. Velocity is FPM measured at center line of airstream.

Ordering Information

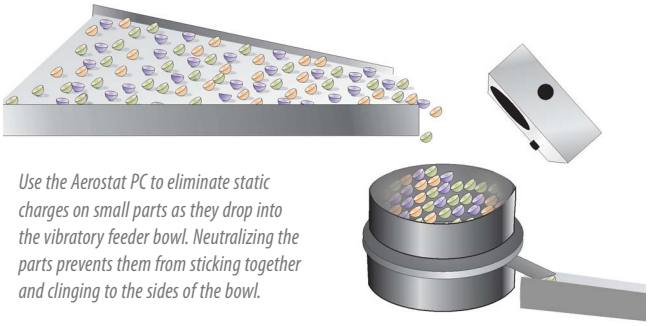
4003367	Aerostat PC with Heater, 120V, 60 Hz, North America
4003368	Aerostat PC with Heater, 230V, 50 Hz, Continental Europe
4008087	Aerostat PC with Heater, 230V, 50 Hz, United Kingdom
4015566	Aerostat PC with Heater, 230V, 50 Hz, China
4008465	Aerostat PC without heater, 100 VAC, 50/60 Hz, Japan
4016616	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.

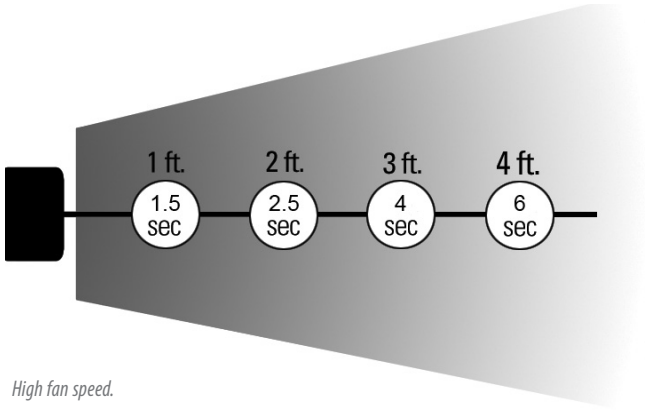
Applications

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.

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