



# Ionizing Air Blower

## AEROSTAT<sup>®</sup> PC2

Simco-Ion's new Aerostat PC2 provides complete mini environment ionization protection. As with its' predecessor, the Aerostat PC Ionizing Blower, the Aerostat PC2 is designed and built for reliable, long-term static control for a variety of electronic, semiconductor, flat-panel display and life science assembly applications. The PC2 offers outstanding charge neutralization for targeted mini environments and has sufficient air velocity to provide static control up to 4 feet (1.2m) across a bench-top work surface. The combination of size with the weight-saving design allows the Aerostat PC2 to be easily mounted inside process tools while creating a blanket of ionized air through out the inside tool area. Optional heater to provide user comfort.

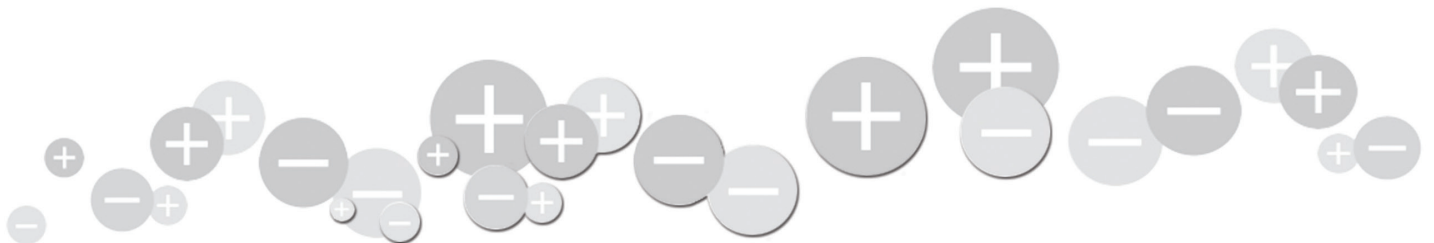
The Aerostat PC2 offers inherent balance to  $0 \pm 10V$  for protection of sensitive electronic components. The PC2 is loaded with usability features including an adjustable locking stand, fan speed control and separate balance and fan stall alarm LEDs with optional audible alarm. These features make the Aerostat PC2 the ideal mini environment ionization blower for assembly, test and packaging areas.





### Features

- Discharge time of <2.0 seconds at 1 foot
- Lightweight, compact and quiet for unobtrusive use
- Local alarm LEDs, Facility Monitoring System (FMS) connection and optional audible alarm
- $\pm 10V$  self-balancing ("Micropulse") technology
- Built-in emitter point cleaner
- Integrated heater for warm air flow

### Benefits

- Fast, targeted neutralization of static charges
- Directed ionization designed for both workbench or in-tool areas
- Worry free ionization status can easily be monitored locally and at a remote location
- High precision balance ensures controlled and consistent ion output
- Minimizes the time required to perform normal maintenance
- User comfort helps to insure that ionization remains on



<b>Input Voltage</b>	100-230 VAC, 50/60 Hz, 0.2A, 10W max, fuse 0.63A 250V Slo-Blo 120V Heater Option: 100-120 VAC, 50/60 Hz, 2.0A, 250W, fuse 2.5A 250V Slo-Blo 220V Heater Option: 220-230 VAC, 50/60 Hz, 1.0A, 250W, fuse 1.6A 250V Slo-Blo
<b>Discharge<sup>1</sup></b>	2.0 sec @ 1' (1000-100V high fan speed)
<b>Balance</b>	0 ±10V (typ)
<b>Coverage</b>	1'W x 4'L area
<b>Ion Emission</b>	Micropulse AC Ionization
<b>Emitter Points</b>	Stainless Steel
<b>Controls</b>	POWER ON/OFF, FAN SPEED control LOW/MEDIUM/HIGH
<b>Indicator Lights</b>	Green POWER on, red FAN alarm, red FAULT alarm
<b>Audible Alarm</b>	Fault and Fan stall (optional)
<b>FMS Connector</b>	RJ-9 4P/4C receptacle, relay contact rated +/-24 VDC @ 0.2A max
<b>Air Volume</b>	129 cfm (high fan speed)
<b>Air Velocity<sup>2</sup></b>	370 fpm @ 12", 240 fpm @ 24", 164 fpm @ 36", 120 fpm @ 48" (high fan)
<b>Audible Noise</b>	61 dB (low fan speed), 64 dB (high fan speed) measured 2' in front of blower
<b>Ozone</b>	<0.05 ppm measured @ 1' (305 mm) in front of blower
<b>Operating Env.</b>	Temperature 50-95°F (10-35°C); humidity 30-60% RH, non-condensing
<b>Mounting Stand</b>	Powder-coated aluminum with skid resistant rubber feet
<b>Enclosure</b>	Powder-coated aluminum
<b>Air Filter</b>	30 ppi open cell foam filter with bracket (optional)
<b>Dimensions</b>	9.1H x 6.8W x 3.3D in. (23.1H x 17.3W x 8.4D cm) with stand
<b>Weight</b>	2.8 lbs (1.25 kg) with stand with skid resistant rubber feet
<b>Warranty</b>	Two-year limited warranty
<b>Certifications</b>	   

1. Tested in accordance with ANSI/ESD STM3.1-2015.
2. High fan speed; velocity in fpm measured at centerline of the air stream.

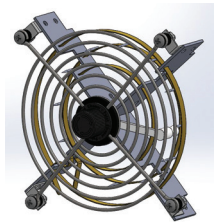
## Ordering Information

<b>91-PC2-xx-01</b>	Aerostat PC2 Ionizing Benchtop Blower
<b>91-PC2-xx-01H</b>	Aerostat PC2 ionizing Benchtop Blower with Heater
<b>91-PC2-xx-01A</b>	Aerostat PC2 Ionizing Benchtop Blower with Audible Alarm
<b>91-PC2-xx-01HA</b>	Aerostat PC2 ionizing Benchtop Blower with Heater and Audible Alarm
<b>33-6501-01</b>	Aerostat PC2 Air Filter Kit
<b>33-6004-01</b>	Aerostat PC2 Replacement Air Filters (6 pack)

Note: For part numbers shown above, xx = US (120V, 60 Hz with North America power cord); xx = EU (230V, 50 Hz with Continental Europe power cord); xx = UK (230V, 50 Hz with United Kingdom power cord); xx = CN (230V, 50 Hz with China power cord); xx = JP (100V, 60 Hz with Japan power cord).

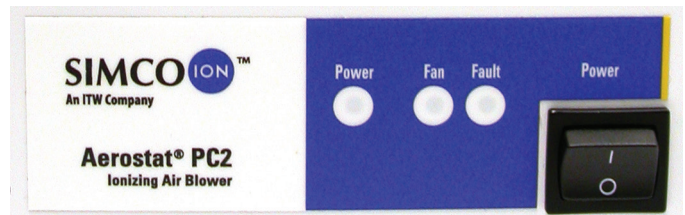
## Emitter Point Cleaner

The Aerostat PC2 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 PC2 working in top form for the life of the unit.

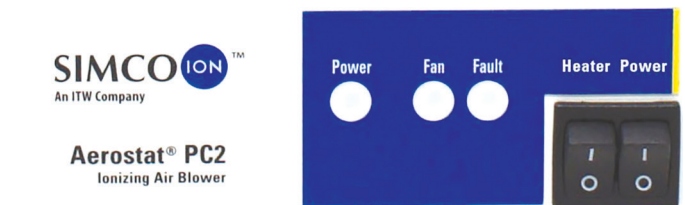


## Enhanced Alarm Capabilities

Separate alarm LEDs on the front of the blower for ionization balance fault and fan stall plus a facility monitoring system (FMS) interface for remote alarm status (accessible on the rear of the blower) offers worry free static control for the production area.

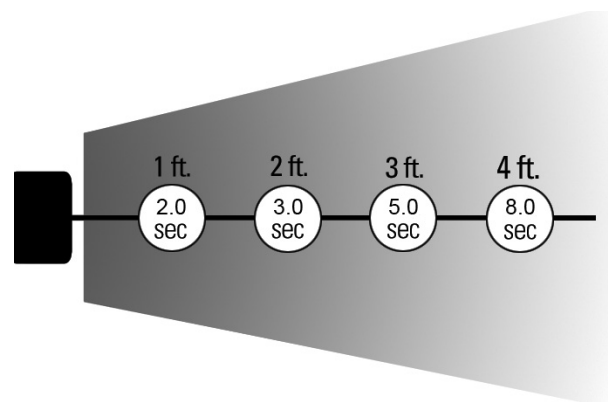


Standard



Heater Option

## Discharge Times (typical)



1. Discharge times are tested in accordance with ANSI/ESD STM3.1-2015.

**SIMCO ION**<sup>TM</sup>  
An ITW Company

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