



Ionizing Air Blower

AEROSTAT[®] PC2

Simco-Ion's 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 throughout the inside tool area. Optional heater to provide user comfort.

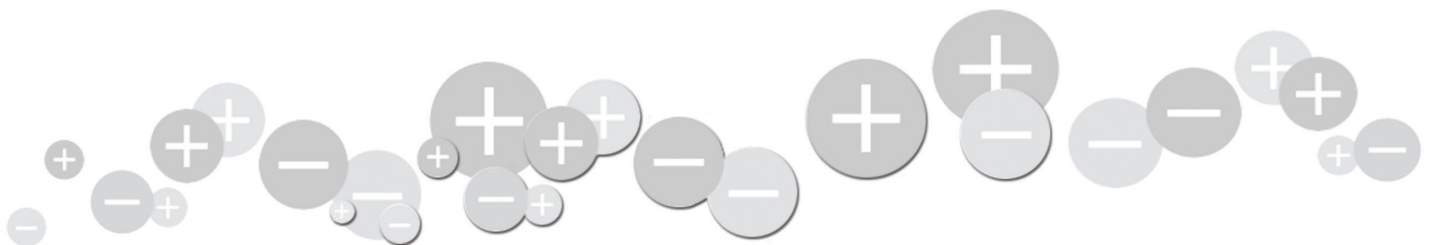
The Aerostat PC2 offers inherent balance to $0 \pm 10V$ for protection of sensitive electronic components. The PC2 is loaded with usability features including an adjustable locking stand, fan speed control and separate balance and fan stall alarm LEDs with an optional audible alarm. These features make 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 airflow

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
- Ensure a user-comfort environment



Aerostat PC2	
Input Voltage	100-230 VAC, 50/60 Hz, 0.2A, 10W max, fuse 0.63A 250V Slo-Blo 120V w/Heater: 100-120 VAC, 50/60 Hz, 2.0A, 250W, fuse 2.5A 250V Slo-Blo 220V w/Heater: 220-230 VAC, 50/60 Hz, 1.0A, 250W, fuse 1.6A 250V Slo-Blo
Discharge¹	2.0 sec @ 12" (30.5 cm); 1000-100V fan high
Balance	0 ±10V (typ)
Coverage	12"W x 48"L (30.5 x 121.9 cm) area
Ion Emission	Micropulse (µPulse) Technology
Emitter	Stainless Steel
Cleanroom Class	ISO 14644-1 Class 6 (heater off)
LED Indicator	Green POWER on, Red FAN alarm, Red FAULT alarm
Control	Power ON/OFF, fan speed LOW/MEDIUM/HIGH, optional Heater ON/OFF
Air Supply	Volume: 129 cfm (fan high) Speed ² : 370 fpm @ 12", 240 fpm @ 24", 164 fpm @ 36", 120 fpm @ 48" (fan high) Filter: 30 ppi open cell foam filter with bracket (optional)
Audible Alarm	Fault and Fan stall (optional)
Audible Noise	61 dB (fan low), 64 dB (fan high); measured 24" (61.0 cm) in front of blower
Connector	RJ-9 4P/4C receptacle, relay contact rated ±24 VDC @ 0.2A max
Ozone	<0.05 ppm; measured 12" (30.5 cm) in front of blower
Operating Env	50-95°F (10-35°C); 30-60% RH, non-condensing
Mounting	Powder-coated aluminum stand with skid resistant rubber feet
Enclosure	Powder-coated aluminum
Dimension	9.09"H x 6.81"W x 3.29"D (23.1 x 17.3 x 8.35 cm) with stand
Weight	2.8 lb (1.25 kg) with stand & skid resistant rubber feet
Warranty	Two-year limited warranty
Certification	   

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

2. High fan speed; velocity in fpm measured at centerline of the air stream.

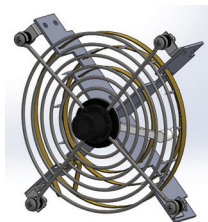
Ordering Information

91-PC2-xx-01	Aerostat PC2 Ionizing Benchtop Blower
91-PC2-xx-01H	Aerostat PC2 ionizing Benchtop Blower with Heater
91-PC2-xx-01A	Aerostat PC2 Ionizing Benchtop Blower with Audible Alarm
91-PC2-xx-01HA	Aerostat PC2 ionizing Benchtop Blower with Heater and Audible Alarm
33-6501-01	Aerostat PC2 Air Filter Kit
33-6004-01	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.

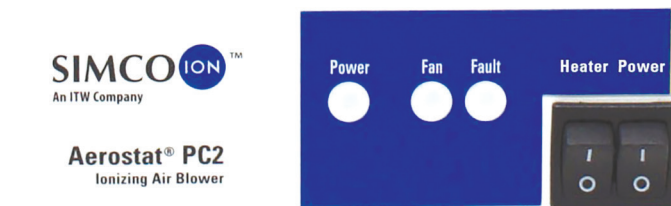


Enhanced Alarm Capabilities

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.

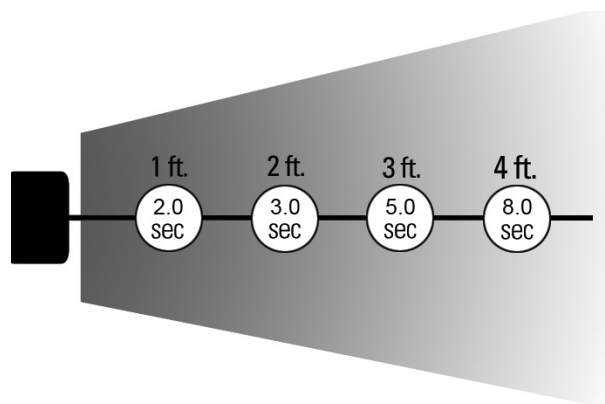


Standard



Heater Option

Discharge Times (typical)



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

SIMCO IONTM
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