Ionizing Air Blower

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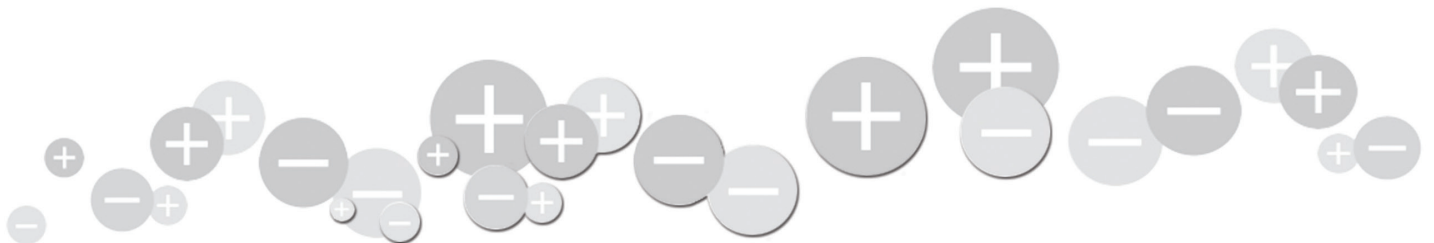
The Aerostat PC2 offers inherent balance to 0 ±10V for protection of sensitive electronic components. The PC2 is loaded with usability features including an adjustable locking stand, fan speed control and separate balance and fan stall alarm LEDs with optional audible alarm. These features make the Aerostat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

Input Voltage	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
Discharge[1]	2.0 sec @ 1' (1000-100V high fan speed)
Balance	0 ±10V (typ)
Coverage	1'W x 4'L area
Ion Emission	Micropulse AC Ionization
Emitter Points	Stainless Steel
Controls	POWER ON/OFF, FAN SPEED control LOW/MEDIUM/HIGH
Indicator Lights	Green POWER on, red FAN alarm, red FAULT alarm
Audible Alarm	Fault and Fan stall (optional)
FMS Connector	RJ-9 4P/4C receptacle, relay contact rated +/-24 VDC @ 0.2A max
Air Volume	129 cfm (high fan speed)
Air Velocity[2]	370 fpm @ 12",240 fpm @ 24", 164 fpm @ 36", 120 fpm @ 48" (high fan)
Audible Noise	61 dB (low fan speed), 64 dB (high fan speed) measured 2' in front of blower
Ozone	<0.05 ppm measured @ 1' (305 mm) in front of blower
Operating Env.	Temperature 50-95°F (10-35°C); humidity 30-60% RH, non-condensing
Mounting Stand	Powder-coated aluminum with skid resistant rubber feet
Enclosure	Powder-coated aluminum
Air Filter	30 ppi open cell foam filter with bracket (optional)
Dimensions	9.1H x 6.8W x 3.3D in. (23.1H x 17.3W x 8.4D cm) with stand
Weight	2.8 lbs (1.25 kg) with stand with skid resistant rubber feet
Warranty	Two-year limited warranty
Certifications	CE cULus KC RoHS2

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

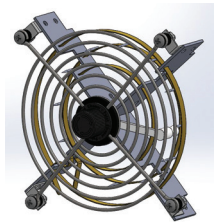## Ordering Information

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).
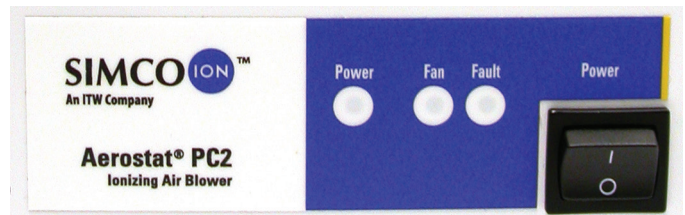
Emitter Point Cleaner

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.
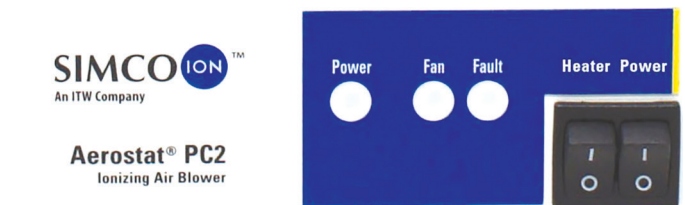
Enhanced Alarm Capabilities

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.
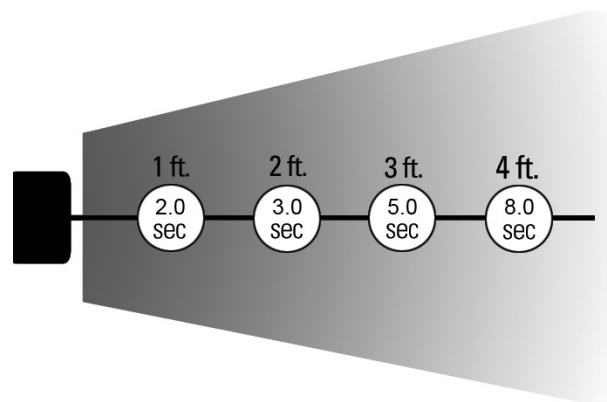
Standard

Heater Option

Discharge Times (typical)

1 ft.	2 ft.	3 ft.	4 ft.
2.0 sec	3.0 sec	5.0 sec	8.0 sec

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

w o r l d w i d e   l e a d e r s   i n   **s t a t i c   c o n t r o l**