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Extended Coverage Area Ionizing Blower

AEROSTAT® XC2

Simco-Ion's new Aerostat XC2 provides complete wide area ionization protection. As with its' predecessor, the Aerostat XC Ionizing Blower, the Aerostat XC2 is designed and built for reliable, long-term static control for a variety of electronic, semiconductor, flat-panel display and medical assembly applications. The XC2 offers outstanding coverage for larger areas with <12 second discharge times at 6 feet (1.8m) distance from the face of the blower. The weight-saving design allows the Aerostat XC2 to be mounted above the work surface, which is especially effective for flat panel display module assembly.

The Aerostat XC2 offers inherent balance to 0 ±10V for protection of sensitive electronic components. The XC2 is loaded with usability features including a built-in emitter point cleaner, adjustable locking stand, fan speed control, optional airflow heater and separate balance and fan stall alarm LEDs with an optional audible alarm. These features, plus its stylish design, make the Aerostat XC2 the ideal extended coverage ionization blower for assembly, test and packaging areas.

Features

- Large, near symmetric Ionization area coverage
- Weight-saving design
- Easy to use, built-in emitter cleaner
- ±10V self-balancing ("Micropulse") technology
- Local alarm LEDs, Facility Monitoring System (FMS) connection and optional audible alarm
- Integrated heater for warm airflow

Benefits

- Designed for complete static neutralization across the entire work surface area
- Light enough to be easily mounted on or above the work surface
- Ensures consistent, balanced performance over a long time
- Long-term balance stability
- Ionization status can easily be monitored locally and at a remote location
- User comfort helps to insure that ionization remains on

Specifications	
Input Voltage	100-240 VAC, 50/60 Hz
Input Current	0.5A, 55W max (no heater); 3.5A, 420W (with 100-120 VAC heater); 1.9A, 460W (with 220-240 VAC heater)
Discharge	1.0 sec @ 1′ (30 cm) (1000-100V high fan speed)[1]
Balance	0 ±10V
Coverage Area	3′W x 6′L (91 x 183 cm) (effective coverage area is up to 6′ from the blower face)
Ion Emission	Micropulse AC Ionization
Emitters	Stainless Steel emitter points
Controls	Power on/off, fan speed control low/medium/high, emitter point cleaner push button, balance adjust, heater on/off (optional)
Indicators	Green POWER on, red FAULT alarm, red FAN STALL alarm
Connectors	IEC AC Power Cord outlet, FMS fault alarm output connector
Air Volume	95 cfm (low), 150 cfm (high fan speed)
Air Velocity[2]	620 fpm @ 12″, 435 fpm @ 24″, 325 fpm @ 36″, 265 fpm @ 48″ (high fan)
Heated Air Temp	4-5°F (2-3°C) above ambient, measured at 12″ (30 cm) in front of blower (optional)
Audible Noise	58 dB (low fan speed), 70 dB (high fan speed) measured at 2′ in front of blower
Cleanroom Class	Meets ISO 14644 Class 6 (Fed Std. 209E Class 1000)
Ozone	<0.05 ppm measured at 1′ (30 cm) in front of blower
Operating Env[3]	Temperature 50-95°F (10-35°C), humidity 30-60% RH, non-condensing
Audible Alarm	Fault and fan stall (optional)
Mounting	Powder-coated steel stand with skid resistant rubber feet
Enclosure	Powder-coated aluminum chassis
Dimensions	14.13″W x 7.2″H x 6.55″D (35.9 x 18.3 x 16.6 cm) with stand
Weight	7 lbs (3.2 kg) with stand
Warranty	2 year limited warranty
Certifications	CE, KC, cULus, RoHS2

1. Tested in accordance with ANSI/ESD STM3.1-2015.
2. Velocity in fpm measured at center line of air stream; all values ±10%.
3. Will provide specified (to specification) performance when operated in an environment meeting the cleanliness requirements for ISO Class 6.

Adaptable Options

- An integrated heater which warms the air at the face of the XC2 for increased user comfort.
- An audible alarm that operates in addition to the visible red LED on the blower to indicate operational failures including a stopped fan or loss of ionization.

Ordering Information

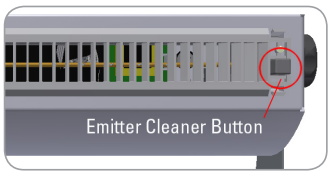
91-XC2-xx-05	Aerostat XC2 Ionizing Blower
91-XC2-xx-05A	Aerostat XC2 Ionizing Blower with Audible Alarm
91-XC2-xx-05H	Aerostat XC2 Ionizing Blower with Heater
91-XC2-xx-05HA	Aerostat XC2 Ionizing Blower with Heater and Audible Alarm
33-6002-01	Aerostat XC2 Replacement Emitter Cartridge
33-6003-01	Aerostat XC2 Air Filter Kit
33-6004-01	Aerostat XC2 Replacement Air Filters (6 pack)

Note: Part numbers above where 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).

Balance Stability with Low Product Maintenance

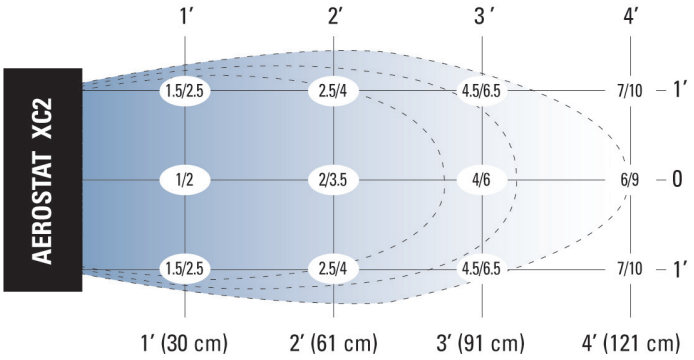
The Aerostat XC2 utilizes MicroPulse technology applied to an emitter system for optimal performance. MicroPulse technology reduces ion recombination at the emitter, thus increasing product efficiency and performance. Using this breakthrough technology, the Aerostat XC2 maintains long-term peak performance and balance stability for extended periods between cleanings.

The only maintenance required for the Aerostat XC2 is periodic cleaning of the emitter points using the easy, built-in push button. The cleaning mechanism slides over the emitter points, removing any debris and ensuring balanced, continuous ion output.

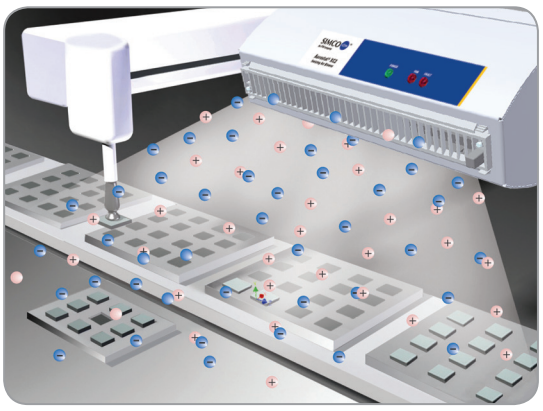


Discharge Times

Each point identifies the 1000V to 100V discharge times (in seconds) with high fan/low fan speed across the target area. Times are slightly higher with 230V/50 Hz unit. Times have shown to be less under typical operating environments.



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



Conveyor Application

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