



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 has shown to be specifically useful for larger areas, offering under 12 second discharge times at 6 foot workbench 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 $0 \pm 10V$ 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, and separate balance and fan stall alarm LEDs. 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
- $\pm 10V$ self-balancing ("Micropulse") technology
- Local alarm LEDs and Facility Monitoring System (FMS) connection

Benefits

- Designed for complete static neutralization across the entire work surface area
- Light enough to be easily mounted on or above the work surface
- Insures consistent, balanced performance over a long time
- High precision balance never needs calibrating
- Ionization status can easily be monitored locally and at a remote location



Specifications

Input Voltage	95-240 VAC, 50/60 Hz, 0.35A, 26.3W @ 120 VAC; 0.21A, 26W @ 230 VAC (high fan)
Discharge	1.0 sec @ 1' (1000-100V high fan speed) ¹
Balance	0 ±10V
Coverage Area	3'W x 6'L (effective coverage area is up to 6' from the blower face)
Ion Emission	Micropulse AC Ionization
Emitter Points	Stainless Steel
Controls	POWER ON/OFF, FAN SPEED control LOW/MEDIUM/HIGH, Emitter Point Cleaner Push Button
Indicator Lights	Green POWER on, red FAULT alarm, red FAN STALL alarm
Connectors	IEC AC Power Cord outlet, FMS fault alarm output connector
Air Volume	110 cfm (low), 150 cfm (high fan speed)
Air Velocity²	620 fpm @ 12", 435 fpm @ 24", 325 fpm @ 36", 265 fpm @ 48" (high fan)
Audible Noise	65 dB (low fan speed), 73 dB (high fan speed) measured at 2' in front of blower
Ozone	<0.05 ppm measured at 1' in front of blower
Operating Env.	Temperature 50-95°F (10-35°C), humidity 30-60% RH, non-condensing; will provide specified performance when operated in an environment meeting the cleanliness requirements for ISO Class 6 (Fed Std. 209e Class 1000)
Mounting	Powder-coated steel stand with skid resistant rubber feet
Enclosure	Powder-coated aluminum chassis
Air Filter	Optional 30 ppi open cell foam filter with bracket
Dimensions	14.13W x 7.2H x 6.55D in. (35.9W x 18.3H x 16.6D cm) with stand
Weight	8 lbs (3.1 kg) with stand
Warranty	2 year limited warranty
Certifications	RoHS 2 Compliant, CE and NRTL pending

1. Tested in accordance with ANSI/ESD STM3.1-2006.
2. Velocity in fpm measured at center line of air stream.

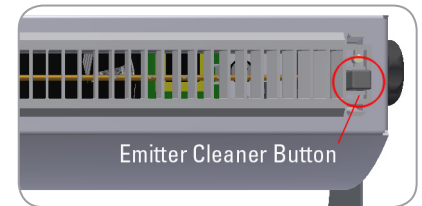
Ordering Information

91-XC2-US-02	Aerostat XC2, 120V, 60 Hz, North America Power Cord
91-XC2-EU-02	Aerostat XC2, 230V, 50 Hz, Continental Europe Power Cord
91-XC2-UK-02	Aerostat XC2, 230V, 50 Hz, United Kingdom Power Cord
91-XC2-JP-02	Aerostat XC2, 100V, 60 Hz, Japan Power Cord
91-XC2-CN-02	Aerostat XC2, 230V, 50 Hz, China Power cord
33-6002-01	Aerostat XC2 Replacement Emitter Cartridge
33-6003-01	Aerostat XC2 Air Filter Kit
33-6004-01	Aerostat XC2 Air Filter Replacement (6 pack)

Balance Stability with Low Product Maintenance

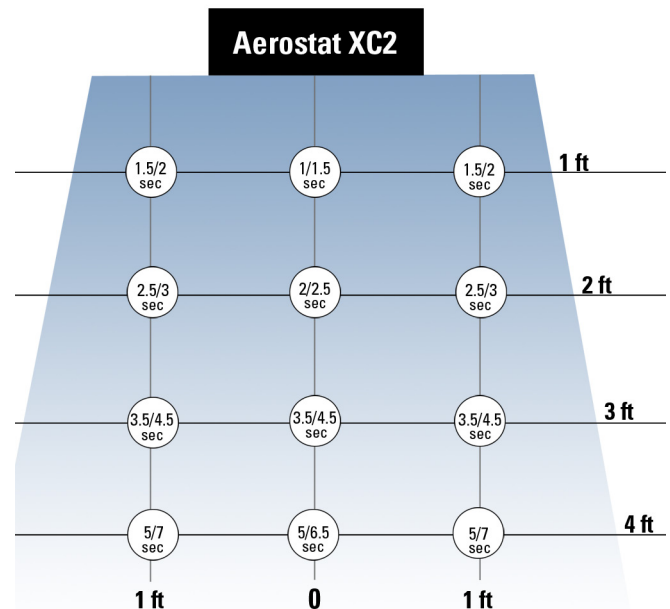
The Aerostat XC2 utilizes MicroPulse technology applied to a emitter system for optimal performance. MicroPulse technology reduces ion recombination at the emitter, thus increasing product efficiency and performance. Using this breakthrough technology, the Aerostat XC2 maintains peak performance for longer periods between cleanings, resulting in extended cleaning cycles compared with conventional products.

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.



Coverage Area Discharge Time Specification

Discharge times are tested in accordance with ANSI/ESD STM3.1-2006. Each point shows the discharge times (1000-100V) with high fan/low fan speed. Times are slightly higher with 230V/50 Hz unit. Times have shown to be less under normal operating environments.



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