SIMCO ION™
An ITW Company

Ionization Solutions

WWW.SIMCO-ION.COM

Extended Coverage Ionizing Blower

AEROSTAT® XC

Simco-Ion's Aerostat XC Extended Coverage Ionizing Blower provides excellent coverage, balance stability, and rapid static charge decay times. The XC can be used in a variety of electronics and medical assembly environments. It features inherent balance to 0 ±10V to protect sensitive electronic components. The XC features Simco-Ion's emitter point cleaner, an ionization status light and an integrated heater. The XC neutralizes static across a broad three-foot by six-foot area and operates on AC technology to provide stabled balanced performance over time.

Features

- Inherently balanced to 0 ±10V
- Rapid static charge decay times over a wide area
- Integrated emitter point cleaner
- Ionization status light
- Integrated Heater
- Optional Air Filter

Benefits

- Protects even the most sensitive electronic components
- Neutralizes charges over the entire workbench
- Easy to maintain sustainable static charge control
- Easy to verify the presence of ionization
- Provides a comfortable working environment for operators, ensuring continuous operation
- Adapts for use in extremely dusty environments

Specifications	
Input Voltage	120 VAC, 60 Hz: 0.6A (high fan/heater off); 3.6A (high fan/heater on) 220-230 VAC, 50 Hz: 0.3A (high fan/heater off); 1.8 (high fan/heater on)
Discharge	1.5 sec @ 1′ (30 cm); fan speed high (1000-100V)[1]
Balance	0 ±10V
Ion Emission	AC Ionization
Emitters	Stainless Steel
Controls	POWER ON/OFF switch, WARM AIR ON/OFF switch; FAN SPEED control LOW/ MEDIUM/HIGH, Emitter Point Cleaner Knob
Indicators	Orange IONIZATION status; orange within POWER and WARM AIR switches
Coverage	3′ x 5′ to 2.5′ x 6′ (91 x 152 cm) to (76 x 183 cm) area
Air Volume	70 cfm (low), 95 cfm (medium), 120 cfm (high)
Air Velocity[2]	Fan Speed: 1′ 2′ 3′ 4′ Low: 600 300 180 150 Medium: 800 400 220 180 High: 1000 500 250 200
Heated Air Temp (heater optional)	Fan high: 4-5°F (2-3°C) above ambient Fan medium: 4-5°F (2-3°C) above ambient; Fan low: 5-7°F (3-4°C) above ambient (measured @ 12″ in front of blower)
Operating Env.	Temperature 50-95°F (10-35°C); humidity 30-70% RH, non-condensing
Audible Noise	Fan speed: low 52 dB, medium 58 dB, high 64 dB
Ozone	0.05 ppm, measured @ 6″ in front of unit[3]
Air Filter	30 ppi open cell polyurethane foam (optional)
Mounting	Metal stand/bracket included (optional pedestal mount kit for elevated mounting and locking stand kit)
Enclosure	Powder-coated white steel
Dimensions	15.375″W x 4.5″H x 8.125″D (39.1 x 11.4 x 20.6 cm)
Weight	17.5 lb (7.9 kg)
Warranty	Two year limited warranty
Certifications	CE 230V, 50 Hz cULus 120V, 60 Hz RoHS2 KC

1. Tested in accordance with ANSI/ESD STM3.1-2015.
2. Velocity in fpm measured at center line of air stream.
3. Test conducted in accordance with EPA EQQA-0577-019 using Dasibi Ozone Monitor Model 1003AH.

Ordering Information

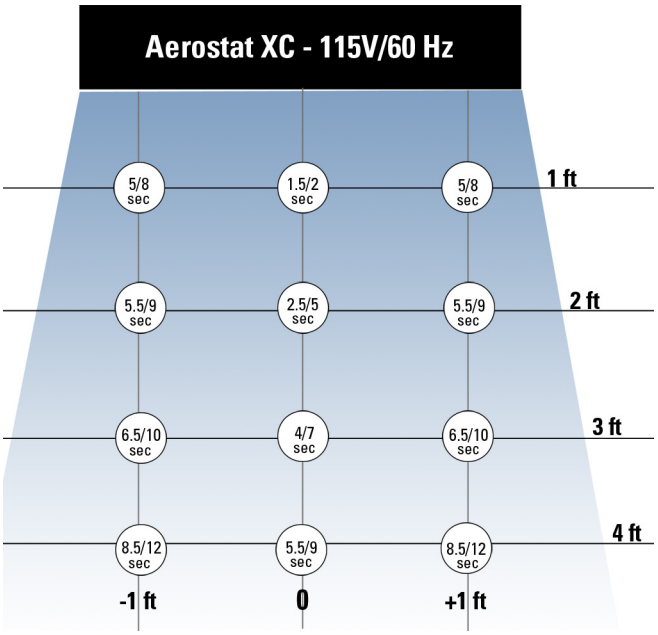
4002612	Aerostat XC, 120V, 60 Hz, North America
4002667	Aerostat XC, 230V, 50 Hz, Continental Europe
4009044	Aerostat XC, 230V, 50 Hz, United Kingdom
4015593	Aerostat XC, 230V, 50 Hz, China
4007151	Aerostat XC without heater, 230V, 50 Hz, China
5050282	Aerostat XC Pedestal Mount Kit
5051321	Aerostat XC Air Filter Kit
33-6010-01	Locking Stand Kit
4470059	Aerostat XC Air Filter Replacement

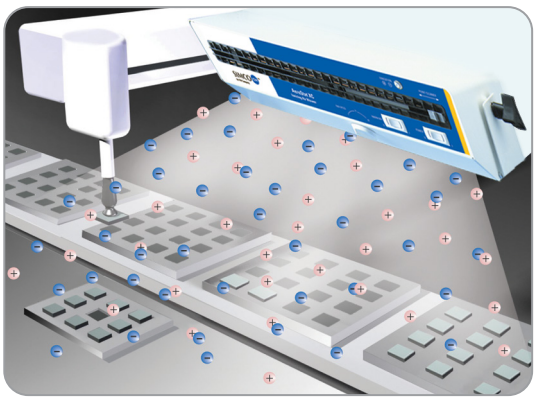
Wide Variety of Applications

The Aerostat XC is designed to control damage to sensitive components and products from both electrostatic discharge and electrostatic attraction in a wide variety of applications. The Aerostat XC is widely used in the electronics manufacturing and medical device assembly, test and packaging processes. The Aerostat XC is also designed for use in the module assembly and test processes within the flat panel display industry.

Discharge Times

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.





Conveyor Application

SIMCO ION™
An ITW Company

Simco-Ion, Technology Group
1141 Harbor Bay Parkway, Suite 201
Alameda, CA 94502
Tel: +1 (800) 367-2452 (in USA)
Tel: +1 (510) 217-0460
ioninfo@simco-ion.com
www.simco-ion.com

DS-AeroStat XC_V5 - 9/19