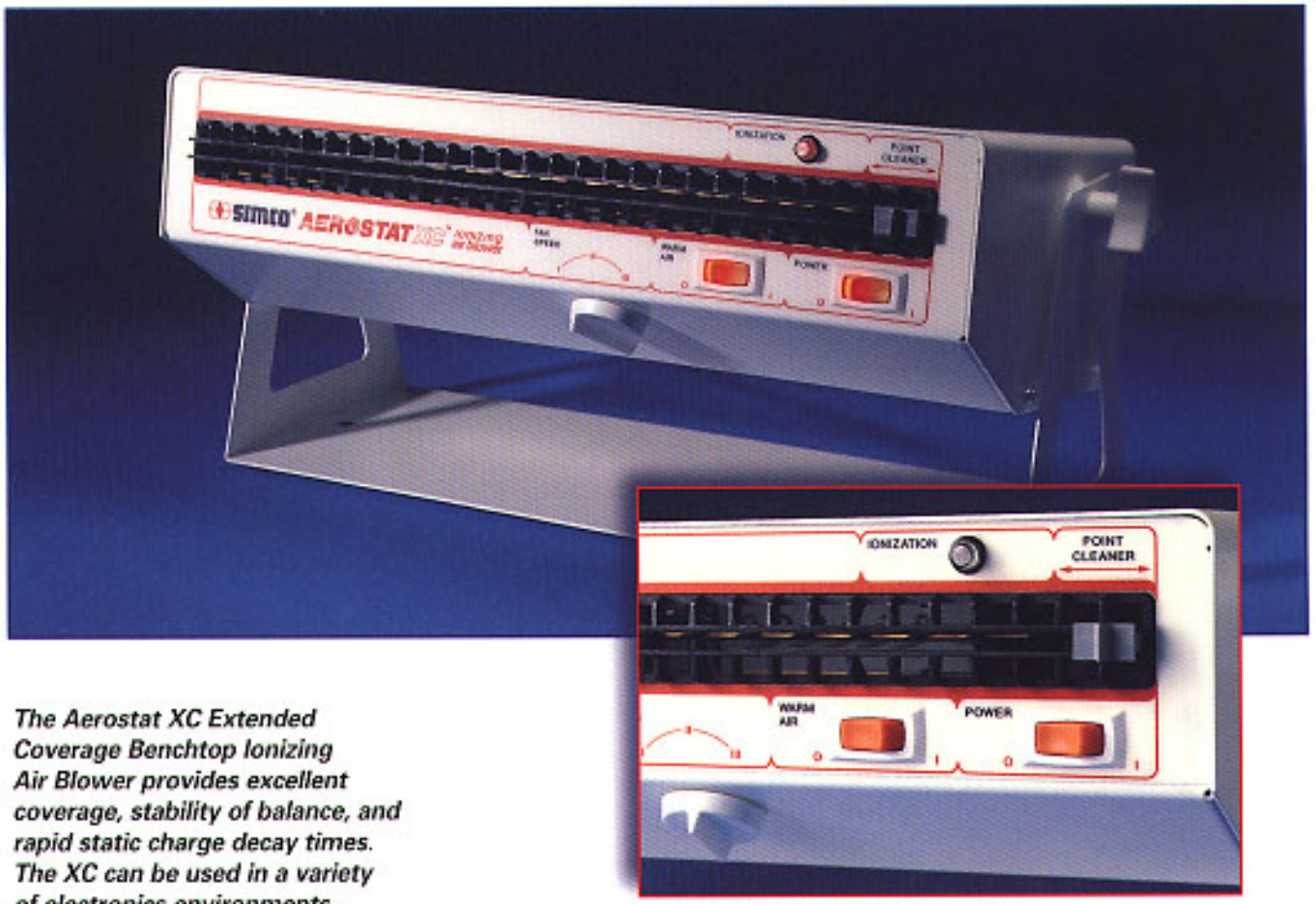
SIMCO
An Illinois Tool Works Company

Static Control and Cleanroom Products

Aerostat® XC Extended Coverage Ionizing Air Blower



Aerostat XC's Patented Emitter Point Cleaner

The Aerostat XC Extended Coverage Benchtop Ionizing Air Blower provides excellent coverage, stability of balance, and rapid static charge decay times. The XC can be used in a variety of electronics environments, including cleanrooms. It features inherent balance to 0 ±5 V to protect sensitive electronic components. The Aerostat XC features SIMCO's patented emitter point cleaner, an ionization status light, and an integrated heater. The Aerostat XC neutralizes static across a broad (3' x 6') area, and operates on AC technology to provide stable balance performance over time.

Features

- Inherently balanced to 0 ±5 V
- Rapid static charge decay times
- Patented emitter point cleaner
- Integrated heater and 3-speed fan
- Ionization status light
- AC technology

Benefits

- Protects even the most sensitive electronic components
- Neutralizes charges over the entire workbench
- Easy maintenance
- User-friendly
- Verifies the presence of ionization
- Stable balance

Typical Applications

- Electronics Assembly
- Medical Device Parts Assembly and Packaging
- Disk Drive Manufacturing

Aerostat® XC Extended Coverage Ionizing Air Blower

Specifications

Power Requirements
120 VAC, 60 Hz
0.6 Amp (heater off)
3.6 Amp (heater on)
220-230 VAC, 50 Hz
0.3 Amp (heater off)
1.8 Amp (heater on)

Size
15.375" W x 4.5" H x 8.125" D

Weight
17.5 lbs (7.9 kg)

Air Volume
70 CFM (low fan speed)
95 CFM (medium fan speed)
120 CFM (high fan speed)

Effective Coverage
3' x 6' area coverage

Ion Balance
0 ±5 V

Ionization Indicator
ON/OFF status light indicates high voltage present on emitter points

Discharge Time
1.5 second at 1'; fan speed high (1000 V to 100 V)

Operating Temperature
32° F (0° C) – 122° F (50° C)

Heated Air Temperature

Fan Speed	*Above Ambient*
Low	11° F (6° C)
Medium	9° F (5° C)
High	7° F (4° C)

Measured 6" in front of unit.

Ozone Production
0.005 ppm measured 6" in front of unit. Test conducted in accordance with EPA EQOA-0577019 using Dasibi Ozone Monitor model 1003AH

Air Velocity

Fan Speed	*1 ft.*	*2 ft.*	*3 ft.*	*4 ft.*
Low	600	300	180	150
Medium	800	400	220	180
High	1000	500	250	200

Velocity in FPM measured at center line of air stream.

Audible Noise

Fan Speed	*Noise*
Low	52 dB
Medium	58 dB
High	64 dB

Measured 2' from unit.

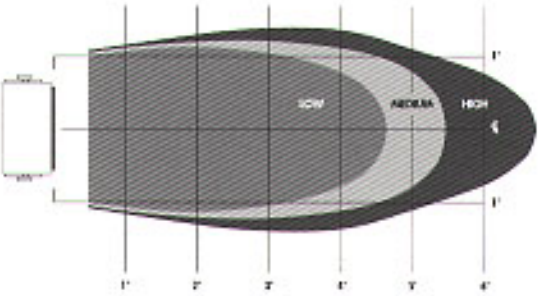
Enclosure
Steel

Finish
Acrylic Enamel

Agency Approvals
UL and CUL Listed; CE Compliant

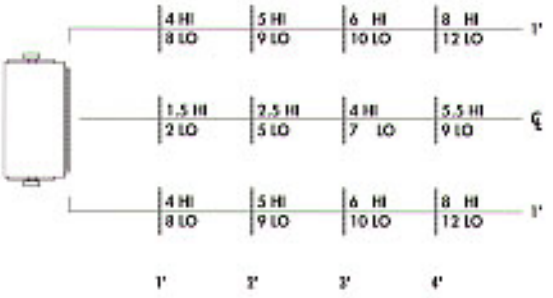
Aerostat XC Performance
(Low, medium and high fan speeds)

Each region represents a discharge time of less than 10 seconds. Discharge time determined per EOS/ESD standard No. 3, 1000 V to 100 V.



Charge Decay Efficiency
(Discharge time)

Offset voltage and discharge time determined as per EOS/ESD Standard No. 3, using 6" x 6", 20 pF plate (charged plate monitor). Discharge times are in seconds from 1000 V to 100 V. (Discharge times are slightly longer for 230 V, 50 Hz.)



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