Full Coverage Ionizing Blower

Model 6460

Efficient electrostatic protection over a wide area.

FEATURES	BENEFITS
IsoStat® Technology	Intrinsically balanced and never needs calibration
Steady-state DC ion emission	Efficient ion delivery at the workstation
Auto Clean System	Reduces manual emitter point cleanings
Alarm relay closure circuitry	Alarm notification output communicates system failure to a remote location
Multicolor LED indicator	Visual performance indicator: Green for normal operation and red signals a catastrophic alarm
Available in two sizes: 32" 2 fan and a 44" 3 fan	Multiple dimensions for flexibility in various manufacturing environments

Static control for the workbench

Using patented IsoStat technology[1], the Model 6460 blower guarantees consistent static control coverage. With its overhead mounting system, the Model 6460 doesn't compromise valuable space on the workbench, allowing for complete 3-dimensional neutralization of static charge. The blower's steady-state DC ion emission enables fast discharge with low airflow, providing a more comfortable work environment for operators. Emitter points are placed behind the fan to eliminate field-induced charge and to ensure a homogeneous mixture of ionized air. Also featured in the Model 6460 blower are open-cell foam filters on the fan intakes, protecting the internal components from environmental contamination.

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Patented IsoStat technology

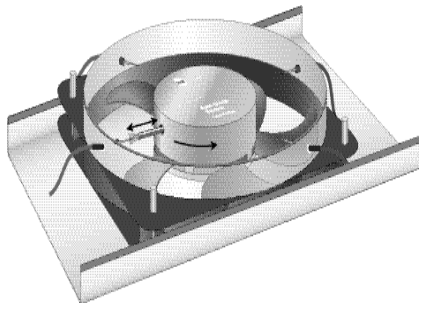
Ion Systems' patented IsoStat technology guarantees intrinsically balanced ionization and eliminates complicated feedback circuits. Ionizers incorporating this technology never need calibration and require very little maintenance. IsoStat is based on a law of physics, *Conservation of Charge*, which states that charge cannot be created or destroyed in an isolated system.

By isolating the ionizer's emitter points from ground, IsoStat ensures equal numbers of positive and negative ions to better protect sensitive products.

Auto-Clean System

The Auto-Clean System[2] features a brush mechanism which sweeps the emitter points when the blower is turned off and on, allowing the Model 6460 to always perform at optimum ion output and balance. This automated feature results in reduced operation costs due to lower maintenance.

During operation of the fan, the brush automatically retracts to prevent emitter point wear. The Auto-Clean System brush will extend as the fan slows to a stop. Ion Systems recommends activating the Auto-Clean System at least once a week. Cleaning schedules will vary depending on environmental conditions and application requirements.



Ion's patented Auto Clean System significantly reduces the need for manual cleaning.

6460 Full Coverage Ionizing Blower — *Specifications*

Ion Emission	Steady-state DC
Emitter Points	0.012" diameter tungsten wire, internally shielded, 2-year life
Ion Balance	Better than ± 15 V at 18"*
Discharge Time	10 seconds directly under each of the fanstacks at 18"*
Air Flow Volume	112 CFM (per fan, free-air typical)
Air Filters	Replaceable open-cell foam
Coverage Area	2 Fan-2' x 2.5' 3 Fan-2' x 4'
Audible Noise	59 dB*
Input Power	100-240 VAC, 50/60 Hz
Controls	Power/fan speed slide switch with 3 settings: High/Off/Low
Indicators	Multicolor LED: Power on-green, alarm-red
Chassis	Aluminum with epoxy-polyester powder coat
Mounting	Four eye bolts and 1 1/8" S-hooks provided
Dimensions	2 Fan-3.6"H x 6"W x 32"L (9.1 x 15.2 x 81.3 cm) 3 Fan-3.6"H x 6"W x 44"L (9.1 x 15.2 x 111.8 cm)
Weight	2 Fan - 8 lbs. (3.6 kg) 3 Fan - 10 lbs. (4.5 kg)
Operating Environment	Temperature Range 68-77F (20-25C) Humidity 30-50% RH (non-condensing)
Certifications	CE, cULus (pending), (pending)

***** Measurements taken at high fan speed and with periodic unit cleaning.

Footnotes

1. U.S. Patent No. 5,055,963

2. U.S. Patent No. 5,768,087

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