



## Full Coverage Ionizing Blower

Model 6460



*Efficient electrostatic protection over a wide area.*

### FEATURES

- IsoStat® Technology
- Steady-state DC ion emission
- Auto Clean System
- Alarm relay closure circuitry
- Multicolor LED indicator
- Available in two sizes:  
32" 2 fan and a 44" 3 fan

### BENEFITS

- Intrinsically balanced and never needs calibration
- Efficient ion delivery at the workstation
- Reduces manual emitter point cleanings
- Alarm notification output communicates system failure to a remote location
- Visual performance indicator: Green for normal operation and red signals a catastrophic alarm
- Multiple dimensions for flexibility in various manufacturing environments

### Static control for the workbench

Using patented IsoStat technology<sup>1</sup>, 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.

### Patented IsoStat technology

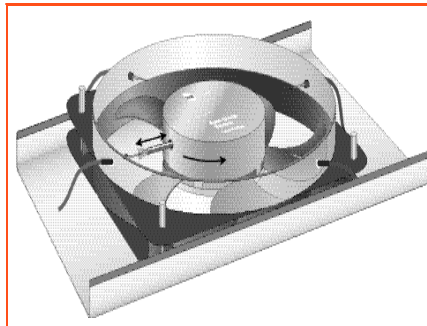
Ion Systems' patented IsoStat technology guarantees intrinsically balanced ionization and eliminates complicated feedback circuits. Ionizers incorporating this technology never need calibration and require very little maintenance. IsoStat is based on a law of physics, *Conservation of Charge*, which 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<sup>2</sup> 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

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



invisible problems  
visible results

**Ion Systems**  
1005 Parker Street, Berkeley, CA USA 94710  
Telephone 510.548.3640 or 800.367.2452  
Fax 510.548.0417  
www.ion.com

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