



# Full Coverage Ionizing Blower

## MODEL 6460

Using patented IsoStat technology<sup>1</sup>, the ION Systems Ionizing Blower 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 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 are open-cell foam filters on the fan intakes, protecting the internal components from environmental contamination.

### Features and Benefits

- Patented IsoStat® technology with steady-state DC ion emission
- Alarm relay closure circuitry
- Multicolor LED indicator
- Two sizes: 32 inches with two fans, or 44 inches with three fans
- Patented Auto-Clean System
- Self balanced; no calibration needed
- Alarm notification communicates operational failure to a remote location
- Visual performance indicator—green for normal operation and red signals an operational failure alarm
- Multiple dimensions for flexibility in various manufacturing environments
- Reduces manual emitter point cleanings

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

# Specifications

<b>Input Power</b>	100-240 VAC, 50/60 Hz, 30W max
<b>Indicators</b>	Multi-color LED, power on green; operational failure red
<b>Controls</b>	Power/fan speed rocker switch (high/off/low settings)
<b>Ion Emission</b>	IsoStat technology, steady-state DC
<b>Emitter Points</b>	0.012 in. dia. tungsten wire, internally shielded
<b>Ion Balance</b>	Better than $\pm 20V$ @ 24 in. (62 cm); measurements taken at high fan speed; tested in accordance with ANSI/ESD STM3.1-2000
<b>Coverage Area</b>	32 in. length 2 x 3 ft; 44 in. length 2 x 4 ft typical; directly under blower
<b>Discharge Time</b>	<8 sec directly under each fanstack at 24 in.; tested in accordance with ANSI/ESD STM3.1-2000
<b>Airflow Volume</b>	114 CFM max per fan; free-air typical
<b>Air Filters</b>	Replaceable open-cell foam
<b>Audible Noise</b>	58 dB (measurements taken at high fan speed)
<b>Mounting</b>	4 eyebolts and 1 1/8 in. S-hooks provided
<b>Chassis</b>	Aluminum with epoxy-polyester powder coat
<b>Operating Environment</b>	Temperature 50-95°F (10-35°C); humidity 20-55% RH (non-condensing)
<b>Dimensions</b>	3.6H x 6W x 32 or 44L in. (10.16H x 15.4W x 81.3 or 111.76L cm)
<b>Weight</b>	32 in. length, 8 lb (3.6 kg); 44 in. length, 10 lb (4.5 kg)
<b>Warranty</b>	2 year limited warranty
<b>Certifications</b>	  

## Auto-Clean System

The Auto-Clean System<sup>1</sup> features a brush mechanism that 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. 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. This automated feature results in reduced operation costs due to lower maintenance.



ION Systems patented Auto-Clean System significantly reduces the need for manual cleaning.  
1. U.S. Patent No. 5,768,087.

## Patented IsoStat Technology

ION Systems patented IsoStat technology is the first balancing technology for ionizers to guarantee intrinsically balanced ionization and elimination of complicated feedback circuits. 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. Characteristics of IsoStat ionizers include:

- Ionizers never need calibration and require very little maintenance
- Small size and operation without grounding wires.

## Ordering Information

91-6460-32	32 in. blower with Auto-Clean System
91-6460-44	44 in. blower with Auto-Clean System
31-2107	Replacement air filters (qty 10)
25-20660	IEC power cable, US plug, 8.2 ft (2.5m)
25-20710	IEC power cable, UK plug, 8.2 ft (2.5m)
25-20735	IEC power cable, German Schuko plug, 8.2 ft (2.5m)
25-20750	IEC power cable (China plug), 8.2 ft (2.5m)



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