

# ION 75 Point-of-use Ionizing Blower

DATA SHEET



**The Ion 75** is designed for confined spaces, controlling static charge wherever build-up can cause contamination, ESD, material-handling problems or microprocessor lock-up. The blower's small size is ideal for use inside or on top of production equipment. In fact, the ultra-compact Ion 75 delivers pinpoint coverage wherever needed. With its universal mounting bracket, the unit can be used to control static at virtually any location. The Ion 75 comes with a UL-listed 24 vac wall transformer that can power up to four blowers daisy-chained together with telephone-style cable and connectors. This feature enables users to mount several units around the workstation or completely surround production equipment with ionized air.


## FEATURES:

- ▶ IsoStat® Technology
- ▶ Steady-state DC ion emission
- ▶ Compact Size
- ▶ Low voltage
- ▶ Shielded emitter points
- ▶ Universal mounting bracket/stand
- ▶ Audio or visual notification of system failure not included with this model


## BENEFITS:

- ▶ Intrinsically balanced; no calibration needed
- ▶ Efficient ion delivery
- ▶ Safe, UL-listed
- ▶ No high electrostatic fields
- ▶ Flexibility of placement
- ▶ Takes up little workspace; cleanroom-compatible (minimizes disruption of laminar flow)

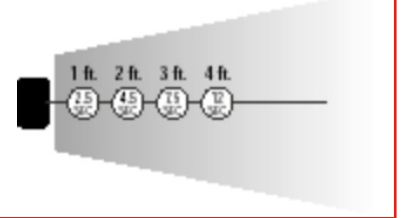
**SPECIFICATIONS:**

<b>Input:</b>	24 VAC, 5 watts, from wall transformer
<b>Power Indicator</b>	Green incandescent power switch
<b>Ion Emission</b>	Steady-state DC
<b>Emitter Points</b>	Tungsten alloy; internally shielded; 5-year life
<b>Ion Balance</b>	Better than $\pm 20$ volts at 1 foot
<b>Discharge Time</b>	<6 seconds at 1 foot
<b>Air Volume</b>	22 CFM maximum
<b>Mounting</b>	Universal "L" bracket with 1/4" mounting hole
<b>Dimensions</b>	4.5"H x 3.3"W x 2.5"D (11.4 x 8.3 x 6.4 cm); 5" (12.7 cm) high with bracket
<b>Weight</b>	0.75 lbs (341 g)
<b>Warranty</b>	2-year limited warranty
<b>Certifications</b>	

**WALL TRANSFORMER:**

<b>Input</b>	120 VAC, 50/60 Hz, 32 watts; alternate transformer available for 230 VAC operation
<b>Output</b>	24 VAC, 1.0 amp
<b>Cabling</b>	8' cable with RJ-11 connectors, custom lengths available
<b>Dimensions</b>	3.2"H x 2.6"W x 1.9"D (8.1 x 6.6 x 4.8 cm)
<b>Weight</b>	16 oz. (454g)
<b>Certifications</b>	 ( 120 VAC model)

Testing was performed at high speed with a charged plate monitor in accordance with Ionization Standard ANSI EOS/ESD S3.1- 1991 of the ESD Association.

**Patented IsoStat Technology**

The ION 75's 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.

**High Reliability**

Patented IsoStat technology makes The ION 75's blowers the most reliable ionizers available. IsoStat enables them to operate without grounding wires or cables and still maintain ionizer balance. The ION 75's internal emitter points are electrostatically shielded to eliminate field-induced charging. Steady-state DC ion emission provides fast discharge with low airflow, for greater operator comfort.



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