



## **STOPESD** affordable ESD solutions **Ionizing Blow-off Gun – ION 115**

### **Ionizing Blow-off Gun - ION 115**



The Ion 115 was designed with the operator in mind. The Ion 115 lightweight, flexible airhose—just 3/8" in diameter—moves with the operator and makes work easier. No high voltage cable means improved operator safety. The gun's ergonomic design—with a light touch trigger and easy-view LED—minimizes fatigue and eliminates wrist hyperextension. The compact console can be mounted anywhere, so it doesn't take up valuable workspace but is still easily accessible. To make the work environment more pleasant, the Ion 115 also features low audible noise.

Strong blow-off power makes the Ion 115 effective in removing particle contamination. Steady-state DC ion emission provides efficient ionization with an average discharge time of less than 1.0 second. Results are even better because Ion Systems' patented IsoStat technology means static charge is controlled with constantly balanced ionization.

#### **FEATURES**

- ☀ Ergonomic gun design
- ☀ Flexible, lightweight air hose/low voltage power cable
- ☀ Replaceable emitter point assembly and quick-eject filter
- ☀ Strong blow-off force
- ☀ Steady-state DC ion emission
- ☀ IsoStat® technology
- ☀ Durable static-dissipative materials

#### **BENEFITS:**

- ☀ Reduces fatigue and wrist hyperextension
- ☀ Moves with operator and does not interfere with work
- ☀ Minimizes maintenance downtime
- ☀ Effective removal of particle contamination
- ☀ Fast discharge times; efficient ion delivery
- ☀ Intrinsically balanced; no calibration needed
- ☀ Holds up to high impact; ESD-safe



The ION 115 is lightweight, flexible and easy-to-use. With strong blow-off power the ION 115 is effective in removing particle contamination.

#### **Patented IsoStat Technology**

The ION 115'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 115's blowers the most reliable ionizers available. IsoStat enables them to operate without grounding wires or cables and still maintain ionizer balance. The ION 115'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.




P.O. Box 19338, Rye, CO 81019  
**Direct:** 719-676-2544 **Fax:** 719-676-2549  
**Email:** sales@stopesd.com  
www.stopesd.com



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**SPECIFICATIONS:**

<b>Audible Noise</b>	70 dBA at @ 1 m, 30 psi
<b>Conducted EMI</b>	29 dBµV; Average level 100 KHz to 1.1 MHz
<b>Ozone</b>	<0.005 ppm (24-hour accumulation); conforms to OSHA requirements
<b>Blow-off Force</b>	41 grams at 30 psi; measured at 3" from a 2" diameter target
<b>Discharge time</b>	<_ 1.0 seconds at 6", 30 psi
<b>Balance</b>	±30 volts
<b>Warranty</b>	2-year limited warranty
<b>Certifications</b>	
<b>HAND UNIT</b>	
<b>Construction</b>	Static-dissipative polycarbonate
<b>Ion Indicator</b>	Green LED indicator
<b>Ion Emission Type</b>	Steady-state DC
<b>Emitter Points</b>	Machined titanium; field-replaceable
<b>Air Hose</b>	Static-dissipative polyurethane, 3/8" outside diameter; 7' (213.4 cm)/65 psi
<b>Gun Hanger</b>	302 stainless steel; optional mounting stand for hands-free operation
<b>Dimensions</b>	8.0"L x 3.0"W x 1.0"D
<b>Weight</b>	12 oz. (341 g) with 7' air hose
<b>CONSOLE</b>	
<b>Construction</b>	Static-dissipative polycarbonate
<b>Power Requirement</b>	24 VAC, <_ 10 watts powered from wall transformer
<b>Power Indicator</b>	Green LED
<b>Gas Input</b>	20-65 psi, Clean Dry Air or Nitrogen
<b>Gas Connection</b>	1/4" Male Industrial Interchange quick disconnect
<b>Air Filter</b>	99.9% efficient, 0.1 micron or larger
<b>Mounting Metal</b>	Mounting plate attaches to back of unit
<b>Dimensions</b>	8.5" x 3.0"W x 1.6"D (21.6 x 7.6 x 4.1 cm)
<b>Weight</b>	11.5 oz. (326 g)
<b>WALL TRANSFORMER</b>	
<b>Input Options</b>	120 VAC, 50/60 Hz, 32 watts; alternate transformer available for 100 VAC and 230 VAC operation
<b>Cabling</b>	10' 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)



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