Installation / Operation / Maintenance

Heated Ionizing Blower
Model 6215

Description

The heated ionizing blower produces an airflow that is rich in both positive and negative ions. Directing the airflow of the blower onto an object that has a static charge will neutralize the charge.

The heated ionizing blower is a portable ionized air blower. It uses a small fan to produce airflow. The volume of airflow is controlled by a three position speed control switch, which provides a wide range of airflow settings. The high voltage AC is applied to a circular arrangement of tungsten steel ion emitter points, which results in an intense alternating electric field at the tip of the emitter points. It is this electric field that creates alternating polarity ions in the airflow. To assure that the unit is working properly, the high voltage AC is monitored by an ionization indicator lamp.

The heated ionizing blower features a patented balancing circuit. The blower also features a patented built-in emitter point cleaner. Using the point cleaner takes only seconds. Cleaning the emitter points on a weekly basis prevents the build-up of airborne debris all electrical ionizers are prone to. This keeps your blower working in top form for the life of the unit.

The heated ionizing blower was designed for use with sensitive electronic components, where electrostatic discharge is a problem. The heated ionizing blower can also be used where static electricity causes problems such as: attraction of dirt to product, misalignment of small parts due to electrostatic "jumping" and undesirable adhesion of plastic films due to electrostatic charge.

Features

- Warm air function
- Small, lightweight and portable
- Rapidly neutralizes static charges
- Inherently balanced ion output
- Ionization indicator lamp
- Built-in Emitter Point Cleaner

NRD ADVANCED STATIC CONTROL

2937 Alt Boulevard / PO Box 310 / Grand Island, NY 14072-0310 / ***PHONE*** 716 773 7634 /
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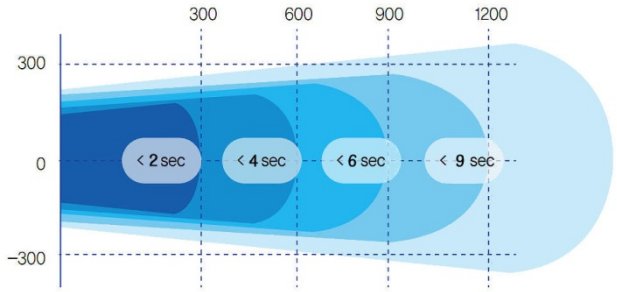
Specifications

Link voltage	100v/60Hz，220v/50Hz
Current Draw	2.70 Amp (with warm air)
	0.2 Amp (without warm air)
Air Volume output	Fan speed Flow
	Low 45 CFM
	Medium 70 CFM
	High 90 CFM
Air Flow characteristics	30cm×30cm Area Coverage
Operating Temperature	32° F(0° C) - 122° F(50° C)
Enclosure	Alloy housing
Finish	Powder Coat
Size	(18cm L × 11cm W × 25cm H)
Ion Balance (offset voltage)	0v +/- 25v

ION OUTPUT (DISCHARGE TIME):



1. Distance measured in mm, decay time measured in seconds.
2. Test data available using ME 268A charge plate analyzer.
3. Test figures are subject to the variation in the atmospheric conditions.
4. Discharge times are in seconds from 1000 volts to 100 volts.

Maintenance

1. Emitter Point Cleaning - Rotate point cleaner knob, located at the center of outlet, clockwise to the stop (approximately one turn) and then counterclockwise to the stop.
2. Air Inlet and Outlet Cleaning - The air inlet and ionized air outlet should remain clean to prevent restriction of airflow. They can be cleaned with a soft brush or vacuum.
3. Ion Output Check - Use a charge plate monitor to test the unit for ion output. Discharge time should be measured and checked. If a charge plate monitor is not available, but a hand held electrostatic field meter is available, ion output may be checked using the following procedure.
   a) Take a piece of plastic and rub it with cloth until a static charge can be read with the static meter.
   b) Turn on the Model 6215 unit and set fan speed to high.
   c) Hold the plastic 1-foot away from center ionized air outlet for five seconds.
   d) Remove plastic from ionized air stream and measure static charge. The plastic should be neutralized.

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CAUTION ELECTRICAL SHOCK HAZARD

- Do not insert objects through intake or outlet grill.
- Do not try to verify operation of unit by drawing a spark from an ion emitter point. The design of the balancing circuit makes the ”spark” test Inconclusive. Sustained grounding of ion emitters may damage balancing circuit.

Ion Balance Check

- Use a charge plate monitor to test unit for ion balance of +/- 10V.
- Do not try to determine ion balance by holding a static meter in the ionized air stream. This will result in a meaningless reading.

Calibration

- Ion output of the Heated Ionizing Blower Model 6215 unit is inherently balanced by design. As a result, there are no calibration adjustments. If, after checking ion balance as outlined above, an unbalance or offset voltage exists in excess of +/- 10 volts, contact NRD Customer Service.

Limited Warranty

NRD expressly warrants that for a period of one (1) year from the time of purchase, the ionizer will be free of defects in material (parts) and workmanship (labor). Within the warranty period, the Ionizer will be tested, repaired, or replaced at discretion of NRD, free of charge. Any ionizer under warranty should be shipped prepaid to the NRD factory. Call Customer Service at (716) 773-7634 for a Return Authorization number and shipping instructions. Include a copy of your original packing slip, invoice, or other proof of purchase date.

If the ionizer is out of warranty, NRD LLC will quote repair charges necessary to bring your ionizer up to factory standards.

Warranty Exclusions

The forgoing express warranty is made in lieu of all other product warranties, expressed and implied, including merchantability and fitness for a particular purpose that is specifically disclaimed. The express warranty will not apply to defects or damage due to accidents, neglect, misuse, alterations, operator error, or failure to properly maintain, clean or repair products.

Limit of Liability

The user shall determine the suitability of the product for their intended use, and the user assumes all risk and liability whatsoever in connection therein.