



## Intellistat Ion Air Gun



# Intellistat Ion Air Gun™

## Lightweight solution for static and particulate elimination in sensitive processes!

### What is the Intellistat Ion Air Gun?

The patent pending Intellistat is the newest innovation in a long line of EXAIR static elimination solutions. This intelligent product utilizes balanced and ionized compressed air to neutralize static and remove troublesome particulates during clean processes, test procedures and sensitive assembly work. With a +/-30 volt offset, the Intellistat was designed to consume minimal compressed air while simultaneously delivering precise blow-off and exceptional static decay rates capable of reducing 5000 volts to less than 500 in under one second. The design hosts an efficient, and low voltage transformer converting 120V or 240V to 24V to assure safety, while also utilizing EXAIR engineered air nozzles ensuring it meets all OSHA requirements for sound level and dead-end pressure.



### Why the Intellistat Ion Air Gun?

Coming equipped with a short-throw, fast acting and effortless trigger, the Intellistat's lightweight frame (less than 200 grams) allows extended use without fatigue, while also providing a dependable and low maintenance solution. The Model 8500 Intellistat Ion Air Gun is also fitted with handy features such as a 6mm air connection, red and green LED lights to signify ionized air is being produced, and a hook for convenient hanging and storage. The 316SS emitter point is so simple to change, it can be completed in less than one minute. It's fashioned from durable dissipative polycarbonate to assure its usefulness in applications requiring non-conductivity such as circuit boards or electronics manufacturing, and utilizes clean, ionized compressed air essential for removing dust, static, or particulate contaminants in sterile environments such as laboratories, clean rooms, or scientific testing.



See page 4 for complete details.

### Applications

- Precision parts assembly
- Maintain charge neutrality in laboratory processes
- Remove particles from parts and surfaces in clean environments
- Printed circuit board manufacturing
- Maintain cleanliness during electronics manufacturing and assembly
- Eliminating electrostatic discharge
- Remove debris from medical products
- Clean glass containers, slides and lenses

### Advantages

- Rapid static decay
- Low voltage operation
- Quick change emitter point
- Comfortable, short throw trigger for ionization
- Light weight for prolonged use
- OSHA safe air outlet
- LED indicators for proper and improper functionality

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## How The Intellistat Ion Air Gun Works



Pressing the full finger, short throw trigger (1) activates the static eliminating ions and airflow. Proper or improper functionality is indicated by a green or red LED (2). The non-marring nozzle (3) provides quiet performance and OSHA compliance. A hanger hook (4) is included to keep the Intellistat conveniently stored.

## Intellistat Ion Air Gun Specifications

**Certifications:** The Intellistat Ion Air Gun is UL listed and CE and RoHS compliant.



**Power Supply Input:** 100-240V — 50/60 Hz 0.7A Max

**Power Supply Output:** EXAIR Model 902067 Power Supply (24VDC, 1.0A Max) is required for Intellistat Ion Air Gun operation. Included with Intellistat Ion Air Gun.

**Electrical Hazard:** Shockless (less than 40 microamperes short circuited)

**Do not use near flammable materials or gases.**

**Balance:** ±30V

**Size of Hand Unit:** 6-3/8"W x 6-3/4"L x 1"H

**Weight of Hand Unit:** 0.42 lbs

**Operating Temperature:** 32°F to 105°F (0-41°C)

**Materials of Construction:** Static Resistant Polycarbonate

**Emitter:** Stainless Steel

**Gas Input:** 30psi - 125psi Clean Dry Compressed Air or Nitrogen

**Air Connection:** 6mm tube

## Intellistat Ion Air Gun Performance

Flow		Air Consumption		Sound Level
PSIG	BAR	SCFM	SLPM	dBa
30	2.1	2.7	76.46	76
80	5.5	5.8	164.21	81

## Intellistat Ion Air Gun Force / Discharge Time

Pressure Supply		Force*			Discharge Time**
PSIG	BAR	LBS	OZ	GRAMS	SECONDS
30	2.1	0.02	0.32	9.1	0.8
80	5.5	0.1	1.6	45.4	0.5

\* 12" (305mm) from target. \*\*Discharge rate taken from 1" away.

## Intellistat Ion Air Gun

### Model # Description

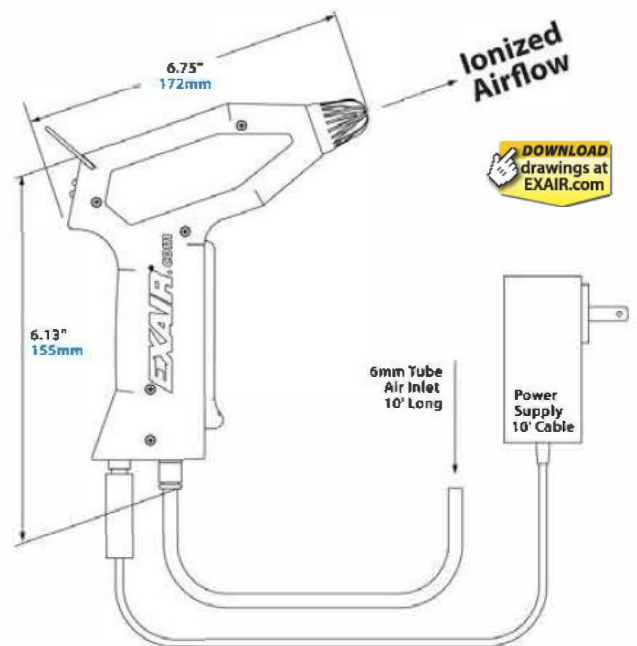
**8500** Intellistat Ion Air Gun includes 24VDC Power Supply with Power Cable and 10 feet x 6mm OD compressed air tubing.

## Accessories and Components

### Model # Description

**9004** Automatic Drain Filter Separator, 1/4 NPT, 43 SCFM (1,218 SLPM)  
**9008** Pressure Regulator with Gauge, 1/4 NPT, 50 SCFM (1,415 SLPM)  
**7905** Static Meter  
**902067** 24VDC Power Supply

## Intellistat Ion Air Gun Dimensions



Static Eliminators

# EXAIR® Standards Compliance

As the leader in standards compliance, EXAIR's products come with more than engineered performance, peak efficiency, the best technical knowledge and unmatched customer service... .

EXAIR is dedicated to providing products that have been manufactured to meet the strict requirements of the following standards. These standards provide confidence that you are receiving reliable, high quality products which will perform as stated within the performance charts provided.

Our products meet or exceed the strict safety standards of OSHA and the European Union to ensure the safety of your personnel. Many of these standards will allow your products a smoother transaction when selling your products into international markets.

**OSHA and CE Compliance:** EXAIR compressed air products comply with OSHA's Safety Requirements (29 CFR 1910.242(b)), the EU General Product Safety Directive (2001/95/EC) and meet the noise limitation requirements (29 CFR-1910.95(a)), of the EU Machinery Directive (2006/42/EC). EXAIR's Electronic Flow Control and Electronic Temperature Control meet the low voltage standards of the EU Low Voltage Directive (2006/95/EC). Some EXAIR products display the CE mark where there are applicable directives. All sound level measurements are taken at 3 feet from product.



**RoHS:**



Electrical portions of EXAIR's Static Eliminators, EFC, ETC, Digital Flowmeter solenoid valves, and thermostats comply with the RoHS (Restriction of Hazardous Substances) Directive 2011/65/EU, including the amendment outlined in the European Commission decision L 214/65.

**Conflict Mineral Free:**



Look for this symbol to designate conflict mineral free products throughout our catalog. EXAIR supports Section 1502 of the Dodd-Frank Wall Street Reform and Consumer Protection Act. We are committed to compliance with the conflict minerals rule in order to curb the illicit trade of tin, tantalum, tungsten and gold in the DRC region. EXAIR is using the CMRT 4.20 template to document our supply chain and commitment to conflict free products.

**Reach:**



Per Regulation (EC) No 1907/2006 Title I, Article 3, paragraph 3, the European Union has recently enacted legislation to register chemicals and substances imported into the EU to ensure a high level of protection of human health and the environment.

Per Title II, Article 7, paragraph 1, articles (products) must be registered when a substance is intended to be released under normal or reasonably foreseeable conditions of use and it is present in those articles in quantities totaling over 1 metric ton per producer or importer per year. Registration of EXAIR products is not required since they do not contain substances that are intentionally released.