



INTELLISTAT[®] Ion Air Nozzle

**An INTELLIGENT
COMPRESSED AIR[®]
Product**

INTELLISTAT[®] Ion Air Gun[™]

Lightweight solution for static and particulate elimination in sensitive processes!

Rated Class 5 for clean rooms and controlled environments per ISO 14644-1

What is the INTELLISTAT[®] Ion Air Gun?

The patented 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 blowoff and exceptional static decay rates capable of reducing 5000 volts to less than 500 in under one second. The design hosts an efficient, low voltage transformer converting 120V to 24V to assure safety, while also utilizing an EXAIR engineered air nozzle 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. The housing is made of durable static dissipative polycarbonate to further minimize any potential for static electricity discharge around sensitive electronics, sensors or materials. It will produce clean, ionized compressed air essential for removing dust, static, or particulate contaminants in sterile environments such as laboratories, clean rooms, or for scientific testing.

EU Regd. Des. No. 00770318-0001

Pat. D903,817

©EXAIR LLC, Mexico No. 60723, Canada No. 194141

Static
Eliminators

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



11510 Goldcoast Drive • Cincinnati, OH 45249-1621 • Phone (513) 671-3322
FAX (513) 671-3363 • E-mail: techhelp@exair.com • www.exair.com

Order Direct
We Ship From Stock

143

INTELLISTAT® Ion Air Gun

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.

Static
Eliminators

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)

Do not use near flammable materials or gases.

Materials of Construction

Plastic Parts: Static Resistant Polycarbonate

Emitters: Stainless Steel

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

Air Connection: 6mm tube

Cleanroom Classification: ISO 14644-1 Class 5, operational.

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 Nozzle Force / Discharge Time

Pressure Supply		Force*			Discharge Time**	
PSIG	BAR	LBS	OZ	GRAMS	SECONDS	
30	2.1	0.02	0.32	9.1	1.2	1000V down to 100V
					1.2	5000V down to 500V
80	5.5	0.1	1.6	45.4	0.6	1000V down to 100V
					0.6	5000V down to 500V

* 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

