





INTELLISTAT Ion Air Nozzle COMPRESS



INTEXLISTAT Ion Air Gun™

Lightweight solution for static and particulate elimination in sensitive processes!

Rated Class 5 for clean rooms and controlled environments per ISO 1 4644-1



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 **INTEXLISTAT** 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

EU Regd. Des. No. 00770318-0001 Pat. D903,817 ©EXAIR LLC, Mexico No. 60723, Canada No. 194141 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 contaminates in sterile environments such as laboratories, clean rooms, or for scientific testing.

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





INTEXLISTAT Ion Air Gun

How The INTEXLISTAT 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: $\pm 30 \text{V}$

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: $32^{\circ}F$ to $105^{\circ}F$ (0- $41^{\circ}C$) 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

Flo	ow	Air Cons	umption	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

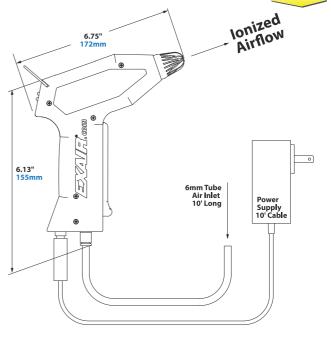
	sure oply	Force*		Discharge Time**		
PSIG	BAR	LBS	OZ	GRAMS	SECONDS	
30 2.1	2.1	0.02	0.32	9.1	1.2	1000V down to 100V
	0.02	0.32	9.1	1.2	5000V down to 500V	
80 5.5	0.1	1.6	45.4	0.6	1000V down to 100V	
	5.5	5.5 0.1	1.0	45.4	0.6	5000V down to 500V

* 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		















drawings at EXAIR.com