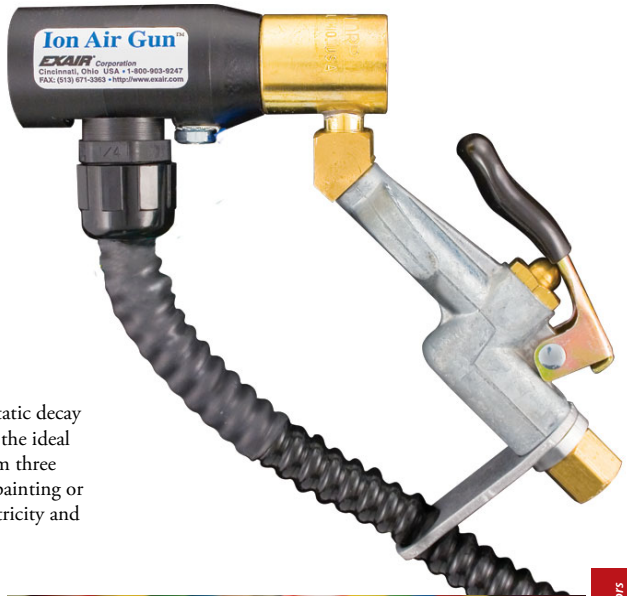




Ion Air Gun™

Rugged, ergonomic static eliminating gun is a lightweight, effective spot cleaner!



What Is The Ion Air Gun?

EXAIR's Ion Air Gun combines incredibly fast static decay rates with low compressed air consumption. It is the ideal way to remove static, contaminants and dust from three dimensional parts prior to assembly, packaging, painting or finishing. The Ion Air Gun neutralizes static electricity and cleans at distances up to 15 feet (4.6m).

Why The Ion Air Gun?

The Ion Air Gun induces surrounding airflow through the gun at a ratio of 5:1, minimizing compressed air usage and maximizing ionized airflow. The force can be adjusted from a "blast" to a "breeze". A comfortable grip and hand position allows hours of continuous use without fatigue.

The Ion Air Gun is quiet, lightweight and features a hanger hook for easy storage. The 10 foot (3m) shielded power cable is extremely flexible, designed for rugged industrial use.



Static Eliminators

The Model 7293 Ion Air Gun neutralizes and cleans plastic bottles prior to labeling.

Applications

- Pre-paint dust removal
- Clean and neutralize three dimensional parts
- Removing dust from optics
- Cleaning molded parts
- Photo finishing
- Lens cleaning
- Furniture finishing
- Package cleaning
- Container neutralization

Advantages

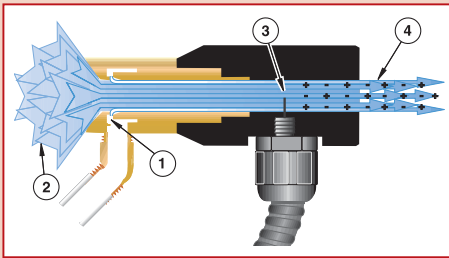
- Rugged, lightweight, easy to use
- Rapid static decay
- Low air consumption
- Quiet
- Effective up to 15 feet (4.6m)
- Shockless, non-radioactive
- Strong blowoff force and flow
- Low maintenance
- Meets OSHA pressure and noise level requirements



The Model 7293 Ion Air Gun cleans plastic parts prior to packaging.

Ion Air Gun

How The Ion Air Gun Works



The Ion Air Gun incorporates a High Velocity Air Jet and electrically energized emitter point. A small amount of compressed air is injected into the air jet (1) inducing high volume flow of surrounding air (2) to pass through it.

The emitter point (shockless) at the discharge end of the gun (3) ionizes the entire airstream. **The result is a high volume flow of ionized air (4) capable of neutralizing high static charges in fractions of a second.** An optional filter and regulator clean the compressed air and allow infinite adjustment of airflow and velocity.

Ion Air Gun Specifications

EXAIR Model 7901, 7907, 7940 or 7941 Power Supply (5kV) is required for operation. See page 83 of the Catalog for details.

Certifications: The Ion Air Gun is UL Component Recognized to U.S. and Canadian safety standards. Power supplies are UL Listed to U.S. and Canadian safety standards, and are CE and RoHS compliant.

Electrical: For use with 5 kVrms, 5 milliamperes (max.) power supply.

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

Do not use near flammable materials or gases.

Materials of Construction:

Metal Parts: Brass, Zinc and Stainless Steel

Plastic Parts: UL rated 94 HB

Emitter: Stainless Steel

Maximum Ambient Temperature: 165°F (74°C)

Compressed Air: 1/4 NPT inlet provided.



Ion Air Gun Performance

Pressure Supply		Air Consumption		Sound Level	Dissipates 5kV*
PSIG	BAR	SCFM	SLPM	dBA	SECONDS
20	1.4	7.4	209	67	0.45
40	2.8	11.5	325	74	0.33
60	4.1	15.8	447	79	0.24
80	5.5	22.0	622	82	0.18
100	6.9	24.0	679	85	0.18

* 6" (152mm) from target. For airflow pattern, see Model 6013 High Velocity Air Jet on page 50 of the Common Catalog.



80% of the delivered air is induced, minimizing air consumption of the Ion Air Gun.

Ion Air Gun

Model #	Description
7193	Ion Air Gun Only includes 10' (3m) shielded cable*
7293	Ion Air Gun and Power Supply
7493	Ion Air Gun Kit includes the Ion Air Gun, Model 7901 Power Supply, filter separator and pressure regulator (with coupler).

* For special length cables, please contact the factory.

Accessories and Components

Model #	Description
7901	2 Outlet Power Supply (115V, 50/60Hz)
7902	Extension Cable (1-Male end 1-Female end), shielded, 5' (1.52m) length. Multiple lengths available.
7907	2 Outlet Power Supply (230V, 50/60Hz)
7940	4 Outlet Power Supply (115V, 50/60Hz)
7941	4 Outlet Power Supply (230V, 50/60Hz)
9001	Auto Drain Filter Separator, 3/8 NPT, 65 SCFM (1,841 SLPM)
9005	Oil Removal Filter, 3/8 NPT, 15-37 SCFM (425-1,048 SLPM)
9008	Pressure Regulator with Gauge, 1/4 NPT, 50 SCFM (1,416 SLPM)
7905	Static Meter



Model 7493 Ion Air Gun Kit includes the Ion Air Gun, Model 7901 Power Supply, filter separator and pressure regulator (with coupler).