



GEN4™ Ion Air Gun



GEN4™ Ion Air Gun™



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

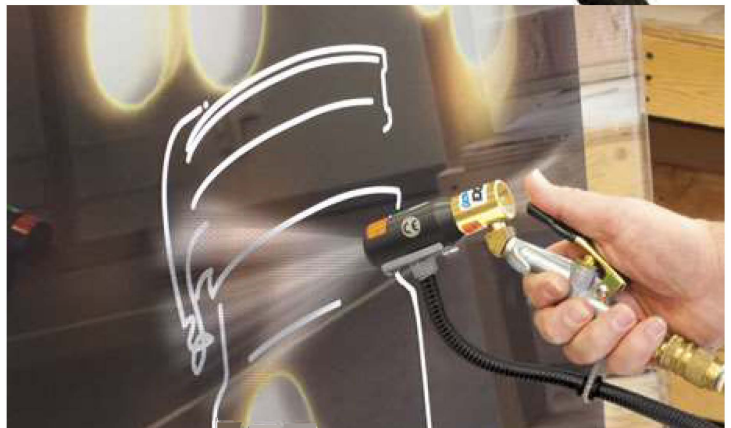
What Is The GEN4 Ion Air Gun?

EXAIR's Gen4 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 Gen4 Ion Air Gun neutralizes static electricity and cleans at distances up to 15 feet (4.6m).

Why The GEN4 Ion Air Gun?

The Gen4 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 Gen4 Ion Air Gun is quiet, lightweight and features a hanger hook for easy storage. The 10 foot (3m) armored and electromagnetic shielded power cable is extremely flexible, designed for rugged industrial use.



The Model 8293 Gen4 Ion Air Gun cleaning artwork and glass prior to framing.

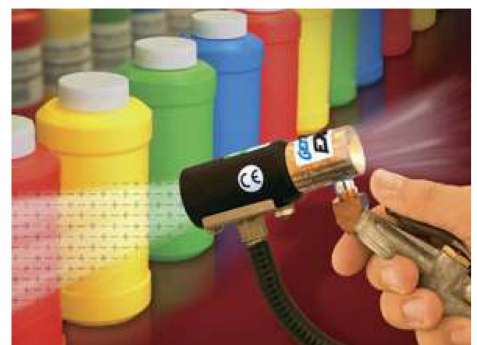
Static Eliminators

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

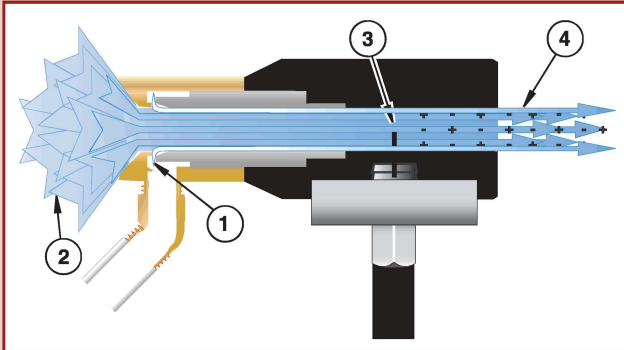
Advantages

- Electromagnetically shielded high voltage cable
- Armored high voltage cable protects against abrasion, cuts
- Integrated ground design requires no separate ground connection
- Replaceable emitter point
- Rugged, lightweight, easy to use
- Rapid static decay
- Low air consumption
- Quiet
- Shockless, non-radioactive
- Strong blowoff force and flow
- Low maintenance
- Meets OSHA pressure and noise level requirements



The Model 8293 Gen4 Ion Air Gun neutralizes and cleans plastic bottles prior to labeling.

How The GET4 Ion Air Gun Works



The Gen4 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.

GET4 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 59.



Model 8493 Gen4 Ion Air Gun Kit includes the Gen4 Ion Air Gun, Model 7960 Gen4 Power Supply, filter separator and pressure regulator (with coupler).

GET4 Ion Air Gun Specifications

EXAIR Model 7960 or 7961 Gen4 Power Supply (5kV) is required for bar operation. See page 129 for details.

Certifications: The Gen4 Ion Air Gun and Gen4 Power Supply are UL Component Recognized 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.



Static Eliminators

80% of the delivered air is induced, minimizing air consumption of the Gen4 Ion Air Gun.

GET4 Ion Air Gun

| Model # | Description |
|---------|---|
| 8193 | Gen4 Ion Air Gun Only includes 10' (3m) shielded cable* |
| 8293 | Gen4 Ion Air Gun and Gen4 Power Supply |
| 8493 | Gen4 Ion Air Gun Kit includes the Gen4 Ion Air Gun, Model 7960 Gen4 Power Supply, filter separator and pressure regulator (with coupler). |

* For special length cables, please contact the factory.

Accessories and Components

| Model # | Description |
|---------|---|
| 7960 | 2 Outlet Selectable Voltage Gen4 Power Supply (115V, 230V, 50/60Hz) |
| 7961 | 4 Outlet Selectable Voltage Gen4 Power Supply (115V, 230V, 50/60Hz) |
| 9001 | Auto Drain Filter Separator, 3/8 NPT, 65 SCFM (1,841 SLPM) |
| 9008 | Pressure Regulator with Gauge, 1/4 NPT, 50 SCFM (1,415 SLPM) |
| 7905 | Static Meter |



GET4™ Power Supplies

Selectable Voltage:
For use with all Gen4 Static Eliminators!

Why Use GET4 Power Supplies?

The two and four outlet Gen4 Power supplies have selectable voltage which allows you to choose input voltages of 115VAC or 230VAC. The modular cable with electromagnetic shielding protects sensitive electronics against electromagnetic interference while easing connections and routing. An integrated fuse on the primary protects against voltage spikes.

GET4 Power Supplies

The Two and Four Outlet selectable voltage Gen4 Power Supplies require an input of 115VAC, 50/60 Hz or 230VAC, 50/60 Hz. A 6' (1.83m) modular power cord and lighted power switch are included. Power Supplies are UL Component Recognized to U.S. and Canadian safety standards, and are CE and RoHS compliant.



The Model 7960 Gen4 Power Supply has 115VAC or 230VAC selectable voltage, lighted power switch, integral fuse on the primary, electromagnetically shielded modular power cable and (2) 5kV outlets.



The Model 7961 Gen4 Power Supply has 115VAC or 230VAC selectable voltage, lighted power switch, integral fuse on the primary, electromagnetically shielded modular power cable and (4) 5kV outlets.

Static Eliminators



GET4 Power Supplies: Selectable Voltage

| Model # | Description |
|---------|---|
| 7960 | 2 Outlet Selectable Voltage Gen4 Power Supply (115V, 230V, 50/60Hz) |
| 7961 | 4 Outlet Selectable Voltage Gen4 Power Supply (115V, 230V, 50/60Hz) |

Advantages

- Replaceable rocker switch
- Durable, stainless steel high voltage connections
- Selectable voltage 115VAC or 230VAC
- Electromagnetically shielded modular power cable
- Fuse protects against voltage spikes
- Modular power supply cable eases connections and routing.

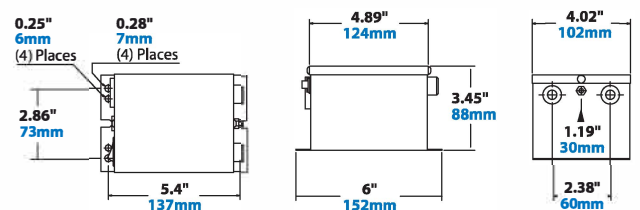
GET4 Power Supply Dimensions



INPUT VOLTAGE: 115/230 VAC
 INPUT CURRENT: .2/1 A MAX
 FREQUENCY: 50/60 HZ

OUTPUT VOLTAGE: 5000 Vrms
 OUTPUT CURRENT: 5 mA MAX

Model 7960



Model 7961

