

## Top Gun™ Ionizing Air Gun



*SIMCO's Top Gun is a high-performance ionizing air gun designed for electronics and cleanroom applications. Balanced to  $0 \pm 15V$ , the Top Gun features high blow-off force to provide efficient cleaning and rapid static charge decay. A filter at the exit of the gun ensures that the air is clean.*

*The gun body is lightweight but durable. It features a light-touch trigger, making it comfortable even for extended use. All functionality is built into the gun, including a flow control valve, a balance adjustment for calibration, and a two-level LED which indicates both power and ionization. The gun and cable are static dissipative. A hanger is provided for easy mounting.*

### Features

- Filter at the exit of the gun
- Lightweight gun with ergonomic design
- Flow control valve
- Electrical activation of ionization and air flow
- Ionization indicator light
- Electronically balanced ion output to  $0 \pm 15V$

### Benefits

- Ensures that the air is clean
- Designed for user comfort
- Airflow can be adjusted for the specific application
- Extends effectiveness of emitter with no maintenance
- Verifies that ionization is present
- Protects ESD-sensitive components and assemblies

### Typical Applications

- Electronics Assembly
- Medical Device Manufacturing and Packaging
- Semiconductor and Flat Panel Display Processes

# Top Gun™ Ionizing Air Gun

## Gun Specifications

### Weight

6.5 oz. (185 g.)  
(integral gun and 7-ft. hose assembly)

### Flow

2.4 SCFM at 30 psi (68 l/min at 2 bar)  
4.6 SCFM at 60 psi (130 l/min at 4 bar)  
7.4 SCFM at 100 psi (210 l/min at 7 bar)

### Blow-off Force

180 grams at 100 psi;  
3" from a 2"-diameter target

### Outlet Air Pressure

Pressure relief in nozzle; complies  
with OSHA requirements

### Ion Balance

0 ±15 V

### Discharge Time

1.3 seconds at 6" and 30 psi  
(1000 V to 100 V)

0.5 seconds at 2" and 60 psi  
(1000 V to 100 V)

### Construction

Gun body: static dissipative  
polycarbonate ABS blend

Gun hanger: stainless steel; UHMW PE

### Cable/Hose

Material: static dissipative polyurethane  
7 ft. (integral to gun and control module);  
14 ft. (optional)

Weight: 1.25 oz./ft. (115 g/m)

Operating Temperature  
32° F (0° C) to 104° F (40° C)

### Ozone Production

0.001 ppm measured 18" (450 mm)  
from gun, operating at 15 psi (1 bar)

### Noise

76 dbA at 30 psi input (2 bar)  
89 dbA at 60 psi input (4 bar)  
97 dbA at 100 psi input (7 bar)  
measured 24" (600mm) from nozzle

### Filter

0.01 micron;  
replacement filters available

## Control Module Specifications

### Power Requirements

120 V AC, 50/60 Hz, 0.10 A  
230 V AC, 50/60 Hz, 0.05 A

### Size

5.20" W x 6.45" H x 3.35" D  
(132 mm W x 164 mm H x 85 mm D)

### Material

Powder-coated steel

### Weight

6 lbs. (2.7 kg.)

### Power Inlet

IEC 320

### Maximum Pressure

100 psi (7 bar)(CDA or dry nitrogen)

1/8" NPT connector-female

### Agency Approvals

UL and CUL, CE

## Sidekick Offers "Hands-Off" Operation

*The flexible gun neck feature frees the operator's hands during assembly and manufacturing processes. A foot pedal controls both ionization and airflow, which reduces compressed air costs and extends the life of the ionizer. The flexible gun mount allows the operator to focus the ionization airflow where it is needed. The stand includes a steel bracket for easy benchtop mounting.*

### Features

- Fully adjustable 18" neck
- Tabletop bracket
- Remote operational foot pedal
- Direct focus of ionization airflow
- Provides easy mounting
- Frees hands for work



**Static Control and Cleanroom Products**

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