

Top Gun™ Ionizing Air Gun

SIMCO Industrial Static Control's Top Gun is a high-performance ionizing air gun designed for a wide variety of industrial applications. Balanced to $0\pm 15V$, the Top Gun features high blow-off force and low air consumption providing high efficiency cleaning and maximum 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. Both the gun and cable are static dissipative. A hanger is provided for easy mounting.

For the maximum in static neutralizing blow-off power, choose the Top Gun Ionizing Air Gun. available only from Simco.

Typical Applications

- Medical device manufacturing and packaging
- Precision parts assembly
- Particulate removal in optics
- Cleaning glass or molded parts prior to finishing
- Cleaning thermoformed trays



Top Gun Sidekick



Top Gun Features and Benefits

- Filter at the exit of the gun ensures air contacting the target surface is clean
- Lightweight, ergonomic design for user comfort
- Flow control valve adjusts air flow level for each specific application
- Ionization indicator light verifies that ionization is present
- Electrically balanced ion output to $0\pm 15V$ protects sensitive components and assemblies

Specifications

Top Gun Ionizing Air Gun

- Weight 6.5 oz. (185 g.) (for integral cable weight see Cable/Hose Section)
- Flow 2.4 SCFM at 30 psi (68/min at 2 bar)
4.6 SCFM at 60 psi (130/min at 4 bar)
7.4 SCFM at 100 psi (210/min at 7 bar)
- Blow-off Force 180 grams at 100 psi, 2" diameter target 3" from the gun
- Outlet Air Pressure Pressure relief in nozzle complies with OSHA requirements
- 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 is static dissipative polycarbonate/ABS blend; gun hanger is stainless steel, MHMW PE
- Cable/Hose Material is static dissipative polyurethane and weighs 1.25 oz per foot (115 g/m) ; 10 ft (integral to gun and control module); 20 ft optional
- Operating Temperature 32° F (0°C) to 104° F (40°C)
- Ozone Production 0.001 ppm measured 18" (450 mm) from gun, operation 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" (600 mm) from nozzle
- Filter 0.01 micron; replacement filters available
- Agency Approvals UL and CUL, CE Listed

Control Module Specifications Top Gun Ionizing

- Power Requirements 120 VAC, 50/60 Hz, .10 A;
230 VAC, 50/60 Hz, .05 A
- Size 5.20"W x 6.45"H x 3.35"D
(132mm W x 164mm H x 85 mmD)
- Material Powder-coated steel
- Weight 6 lbs (2.7kg.)
- Power Inlet IEC 320
- Maximum Pressure 100 psi clean dry air or nitrogen (7 bar) 1/8" NPT connector, female

Optional Top Gun Sidekick



The Top Gun Sidekick offers hands-free operation and flexible positioning. The sidekick includes:

- Top Gun Ionizing Air Gun
- 18" Flexible Hose
- Foot Pedal
- Mounting Bracket

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

Top Gun Sidekick Features and Benefits

- Fully adjustable 18" neck focuses the ionized air-flow
- Tabletop bracket provides easy mounting
- Foot pedal permits hands-free operation