AirForce Ionizing Blow-off Gun

MODEL 6115

SIMCO ION™
An ITW Company



The AirForce Ionizing Blow-off Gun Model 6115 is designed with the operator in mind. The AirForce's lightweight, flexible air hose—just 3/8" in diameter—moves with the operator and makes work easier. No high voltage cable means improved operator safety. The gun's ergonomic design—with a light touch trigger and easy-view LED—minimizes fatigue and eliminates wrist hyperextension. The compact console can be mounted anywhere, so it doesn't take up valuable workspace but is still easily accessible. To make the work environment more pleasant, the AirForce Model 6115 also features low audible noise.

Strong blow-off power makes the AirForce effective in removing particle contamination and ideal for use in clean process applications. The Model 6115 is the only gun product rated at ISO 14644-1 Class 4 cleanliness. Steady-state DC ion emission provides efficient ionization with an average discharge time of less than 1.0 second. Results are even better because Simco-Ion IsoStat® Technology means the static charge is controlled with constantly balanced ionization.

FEATURES

- ✔ IsoStat Technology
- ✔ ISO 14644-1 Class 4 cleanliness operation
- ✔ Ergonomic gun design in durable static dissipative material
- ✔ Flexible, lightweight air hose with integral low voltage power cable
- ✔ Strong blow-off force
- ✔ Replaceable emitter point assembly and quick-eject filter

BENEFITS

- ✔ Intrinsically balanced; no calibration needed
- ✔ Suitable for use in cleanroom applications for semiconductor, medical, and HDD applications
- ✔ Reduces fatigue and wrist hyperextension, and holds up to high impact; ESD safe
- ✔ Moves with the operator and does not interfere with work
- ✔ Effective removal of particle contamination
- ✔ Minimizes maintenance downtime

Model 6115	
Input Voltage	24 VAC, 10W powered from a wall transformer (P/N 33-14xx-01, where xx = 20, 30, 33, 45)
Discharge[1]	1.0 sec @ 6" (15.2 cm), 30 psi; ±1,000 to 100V
Balance	±30V @ 6" (15.2 cm), 30 psi
Ion Emission	IsoStat Technology
Emitter	Tungsten
Cleanroom Class	ISO 14644-1 Class 4
LED Indicator	Green ON both console and gun
Air Supply	Input: 20-65 psi, Clean Dry Air (CDA) or Nitrogen Blow-off Force: 0.041 kg @ 30 psi; measured @ 3" (7.62 cm) from a 2" (5.08 cm) dia. target Connection: 1/4" male industrial interchange quick disconnect Hose: Static-dissipative polyurethane, 3/8" outside diameter; 8 ft (2.4m) Filter: 99.9% efficient, 0.01 micron or larger air particles; 99.9% coalescing efficiency
Audible Noise	70 dBA @ 1m, 30 psi
EMI	29 dbµV; average level 100 KHz to 1.1 MHz
Ozone	<0.005 ppm (typ)
Mounting	Metal mounting plate attaches to back of console
Enclosure	Gun/Console: Static-dissipative polycarbonate (Gun Hanger 302 Stainless Steel) Optional mounting stand for hands-free operation
Dimension	Gun: 8.0"L x 3.1"W x 1.0"D (20.3 x 7.94 x 2.54 cm) Console: 8.2"L x 3.0"W x 1.7"D (20.9 x 7.59 x 4.29 cm)
Weight	Gun: 0.75 lb (0.34 kg) with 8 ft (2.4m) air hose Console: 0.72 lb (0.33 kg)
Warranty	2 year limited warranty
Certification	CE cULus IonTest2 UKCA

1. Tested in accordance with ANSI/ESD STM3.1.

Ordering Information

91-6115-NXFMR	Model 6115 with 8' Hose
92-6115-US	Model 6115 with 8' Hose and 120 VAC Wall Transformer Kit
33-6115	Optional Gooseneck Mounting Stand
91-6115SWT	Optional Foot Switch
91-6115FLT	Replacement In-line Air Filter (3-pack)
91-6115T-EMT	Replacement Tungsten Emitter Point
33-1420-01	Wall Transformer Kit, 120V/24 VAC 500 mA, Interconnect Cable with RJ-11 6P/4C plug, US
33-1430-01	Wall Transformer Kit, 230V/24 VAC 500 mA, Interconnect Cable with RJ-11 6P/4C plug, EU
33-1433-01	Wall Transformer Kit, 230V/24 VAC 500 mA, Interconnect Cable with RJ-11 6P/4C plug, UK
33-1445-01	Wall Transformer Kit, 230V/24 VAC 500 mA, interconnect cable with RJ11 6P/4C plug, AU/CN

IsoStat Technology

Simco-Ion's IsoStat technology is the first balancing technology for ionizers to guarantee intrinsically balanced ionization and elimination of complicated feedback circuits. IsoStat is based on a law of physics, Conservation of Charge, which states that charge cannot be created or destroyed in an isolated system. By isolating the ionizer's emitter points from ground, IsoStat ensures equal numbers of positive and negative ions. Because of IsoStat, AirForce Gun Model 6115 will never need calibration and will require very little maintenance.

High Reliability

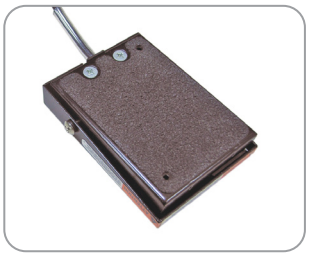
When the air filter or emitter points need replacement, they snap in and out in less than a minute—reducing gun downtime and improving long-term performance. To avoid replacement costs, the AirForce is made from durable polycarbonate that holds up to high impact. The gun body, air hose and control console are static-dissipative and ESD-safe. And an extremely low EMI level ensures the AirForce Model 6115 won't interfere with other electronic equipment or operations.



The AirForce is lightweight, flexible and easy-to-use. With strong blow-off power, the AirForce is effective in removing particle contamination.



Optional hands-free Gooseneck Mounting Stand



Optional hands-free Foot Pedal

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worldwide leaders in **static control**