



## AirForce Ionizing Blow-off Gun

### MODEL 6115

The Simco-Ion 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.

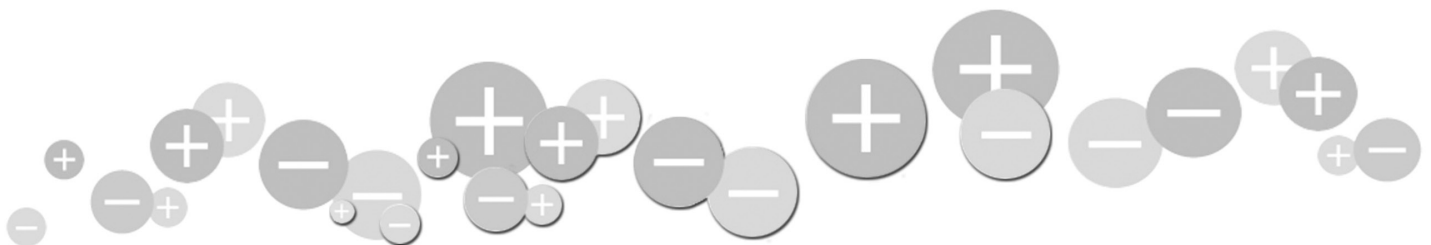
Strong blow-off power makes the AirForce effective in removing particle contamination and ideal for use in clean process applications. The Model 6115 is the only gun product rated at ISO 14644-1 Class 4 cleanliness. Steady-state DC ion emission provides efficient ionization with an average discharge 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	
<b>Input Voltage</b>	24 VAC, 10W powered from a wall transformer
<b>Discharge<sup>1</sup></b>	1.0 sec @ 6" (15.2 cm), 30 psi; ±1,000 to 100V
<b>Balance</b>	±30V @ 6" (15.2 cm), 30 psi
<b>Ion Emission</b>	IsoStat Technology
<b>Emitter</b>	Tungsten
<b>Cleanroom Class</b>	ISO 14644-1 Class 4
<b>LED Indicator</b>	Green ON both console and gun
<b>Air Supply</b>	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)/65 psi Filter: 99.9% efficient, 0.01 micron or larger air particles; 99.9% coalescing efficiency
<b>Audible Noise</b>	70 dBA @ 1m, 30 psi
<b>EMI</b>	29 dBµV; average level 100 KHz to 1.1 MHz
<b>Ozone</b>	<0.005 ppm (typ)
<b>Mounting</b>	Metal mounting plate attaches to back of console
<b>Enclosure</b>	Gun/Console: Static-dissipative polycarbonate (Gun Hanger 302 Stainless Steel) Optional mounting stand for hands-free operation
<b>Dimension</b>	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)
<b>Weight</b>	Gun: 0.75 lb (0.34 kg) with 8 ft (2.4m) air hose Console: 0.72 lb (0.33 kg)
<b>Warranty</b>	2 year limited warranty
<b>Certification</b>	CE cULus UK CA
Wall Transformer 33-1420-01	
<b>Input Voltage</b>	120 VAC ±10%, 60 Hz
<b>Output Voltage</b>	24 VAC ±5% @ 500 mA
<b>Dimension</b>	3.2"L x 2.2"W x 1.9"H (8.15 x 5.65 x 4.85 cm)
<b>Weight</b>	0.9 lb (0.45 kg)
<b>Certification</b>	cULus
Wall Transformer 33-1430-01 & 33-1433-01	
<b>Input Voltage</b>	230 VAC ±10%, 50 Hz
<b>Output Voltage</b>	24 VAC ±5% @ 500 mA
<b>Dimension</b>	3.2"L x 2.2"W x 1.9"H (8.15 x 5.65 x 4.85 cm)
<b>Weight</b>	0.9 lb (0.45 kg)
<b>Certification</b>	CE

1. Tested in accordance with ANSI/ESD STM3.1-2015.

## IsoStat Technology

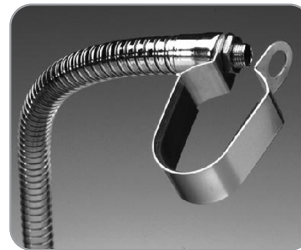
Simco-Ion's IsoStat technology is the first balancing technology for ionizers to guarantee intrinsically balanced ionization and elimination of complicated feedback circuits. IsoStat is based on a law of physics, Conservation of Charge, which states that charge cannot be created or destroyed in an isolated 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*

## Ordering Information

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

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