



# Ionization Systems

## AirForce Ionizing Blow-off Gun

### MODEL 6115




The AirForce ionizing Blow-off Gun was 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 also features low audible noise.

Strong blow-off power makes the AirForce effective in removing particle contamination. Steady-state DC ion emission provides efficient ionization with an average discharge time of less than 1.0 second. Results are even better because ION Systems patented IsoStat technology<sup>1</sup> means static charge is controlled with constantly balanced ionization.

### Features and Benefits

- Ergonomic gun design
- Flexible, lightweight air hose with integral low voltage power cable
- Replaceable emitter point assembly and quick-eject filter
- Strong blow-off force
- Steady-state DC ion emission
- IsoStat® technology
- Durable static-dissipative materials
- Reduces fatigue and wrist hyperextension
- Moves with operator and does not interfere with work
- Minimizes maintenance downtime
- Effective removal of particle contamination
- Fast discharge times; efficient ion delivery
- Intrinsically balanced; no calibration needed
- Holds up to high impact; ESD-safe

# Specifications

<b>Audible Noise</b>	70 dBA @ 1m, 30 psi
<b>Conducted EMI</b>	29 dB $\mu$ V; average level 100 KHz to 1.1 MHz
<b>Ozone</b>	<0.005 ppm (24-hour accumulation); conforms to OSHA requirements
<b>Blow-off Force</b>	41g @ 30 psi; measured @ 3 in. (7.6 cm) from a 2 in. (5.1 cm) dia. target
<b>Discharge Time</b>	$\pm$ 1000-100V 1.0 sec @ 6 in. (15.2 cm), 30 psi; tested in accordance with ANSI/ESD STM3.1-2000
<b>Ion Balance</b>	$\pm$ 30V
<b>Construction</b>	Gun/console, static-dissipative polycarbonate; gun hanger, 302 stainless steel; optional mounting stand for hands-free operation
<b>Console Power Requirements</b>	24 VAC, 10W powered from wall transformer
<b>Indicators</b>	Green LED on both console and gun
<b>Ion Emission</b>	Steady-state DC
<b>Emitter Points</b>	Tungsten emitter points
<b>Airhose</b>	Static-dissipative polyurethane, 3/8 in. outside diameter; 7 ft (2.1m)/65 psi
<b>Console Gas Input</b>	20-65 psi, Clean Dry Air (CDA) or nitrogen
<b>Gas Connection</b>	1/4 in. male industrial interchange quick disconnect
<b>Gas Air Filter</b>	99.9% efficient, 0.1 micron or larger
<b>Mounting</b>	Metal mounting plate attaches to back of console
<b>Dimensions</b>	Gun 8L x 3W x 1D in. (20.3L x 7.6W x 2.5D cm); console 8.5L x 3.0W x 1.6D in. (21.6L x 7.6W x 4.1D cm)
<b>Weight</b>	Gun 12 oz (341g) with 7 ft (2.1m) air hose; console 11.5 oz (326g)
<b>Warranty</b>	2 year limited warranty
<b>Certifications</b>	  

## Ordering Information

<b>91-6115-NXFMR</b>	Model 6115 AirForce Gun, 8 ft hose
<b>33-6115</b>	Optional gooseneck mounting stand
<b>91-6115SWT</b>	Optional footswitch
<b>14-1306</b>	100 VAC transformer
<b>14-1310</b>	120 VAC wall transformer
<b>14-1523</b>	230 VAC transformer

## High Reliability

IsoStat technology also guarantees that the AirForce is calibration-free and requires little maintenance when used with CDA or nitrogen. When the air filter or emitter points need replacement, they snap in and out in less than a minute—reducing gun down-time 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 won't interfere with other electronic equipment or operations.

## Patented IsoStat Technology

ION Systems patented 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. Characteristics of IsoStat ionizers include:

- Ionizers never need calibration and require very little maintenance.
- Small size and operation without grounding wires.



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



## ION Systems

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