



# Air Ionizing Cartridge

## MODEL 6110/6110A

Simco-Ion's self-contained compressed Air Ionizing Cartridge controls static charge in production, packaging, laboratory and other environments where static build-up can cause contamination, ESD, material handling problems or microprocessor lock-up. Compact and rugged, the cartridge can be used either for in-line ionization or as an ionizing blow-off gun. For in-line use, connect the 6110 to a compressed air source and it is ready to ionize any type of production equipment.

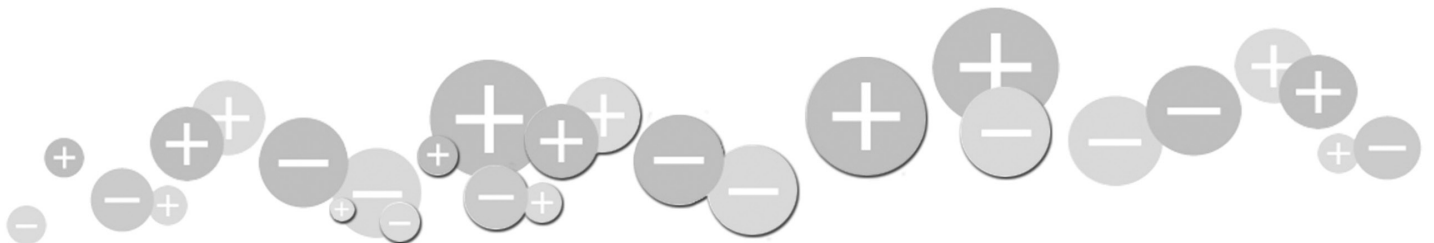
Model 6110A has an internal sensor initiates ionization only when the cartridge is triggered, ensuring on-demand control of static charge. Attached the 6110A to an ordinary air gun and the airstream is ionized for effective particle removal.










### Features

- IsoStat® Technology
- Shielded emitter points
- Compact size
- Internal airflow sensor (Model 6110A)
- Optional blow-off gun kit

### Benefits

- Intrinsically balanced; no calibration needed
- No shock hazard
- Adapts to compressed air lines
- On-demand ionization during gun operation
- Fits any air gun



Model 6110/6110A	
Input Voltage	24 VAC, <1W from a wall transformer
Discharge <sup>1</sup>	<4 sec @ 6" (15.2 cm); ±1,000 to 100V
Balance	<±25V @ 6" (15.2 cm)
Ion Emission	IsoStat Technology
Emitter	Tungsten
LED Indicator	Green POWER
Air Supply	Flow: At least 2 scfm Connection: 1/4" NPT female (input and output); 1/8" NPT adapter available
Airflow Sensor	Model 6110A: Internal Airflow Sensor turns the ionizer off automatically when air is not flowing Model 6110: For continuous flow applications (without Airflow Sensor)
Dimension	2.4" x 2.125" L (6.10 x 5.40 cm) not including fittings
Weight	0.375 lb (0.17 kg)
Warranty	2 year limited warranty
Certification	   
Wall Transformer 33-1420-01	
Input Voltage	120 VAC ±10%, 50 Hz
Output Voltage	24 VAC ±5% @ 500 mA
Dimension	3.2" L x 2.2" W x 1.9" H (8.15 x 5.65 x 4.85 cm)
Weight	0.9 lb (0.45 kg)
Certification	 
Wall Transformer 33-1430-01 & 33-1433-01	
Input Voltage	230 VAC ±10%, 60 Hz
Output Voltage	24 VAC ±5% @ 500 mA
Dimension	3.2" L x 2.2" W x 1.9" H (8.15 x 5.65 x 4.85 cm)
Weight	0.9 lb (0.45 kg)
Certification	  

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

## Ordering Information

91-6110	Model 6110 Air Cartridge Ionizer
92-6110-US	Model 6110 Air Cartridge Ionizer & 120 VAC Wall Transformer Kit
91-6110A	Model 6110A Air Cartridge Ionizer with Airflow Sensor
92-6110A-US	Model 6110 Air Cartridge Ionizer with Airflow Sensor & 120 VAC Wall Transformer Kit
91-6150	Optional Air Gun/Hose Kit
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

## IsoStat Technology

Simco-Ion's IsoStat Technology guarantees intrinsically balanced ionization and eliminates complicated feedback circuits. Ionizers incorporating this technology never need calibration and require very little maintenance. 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.

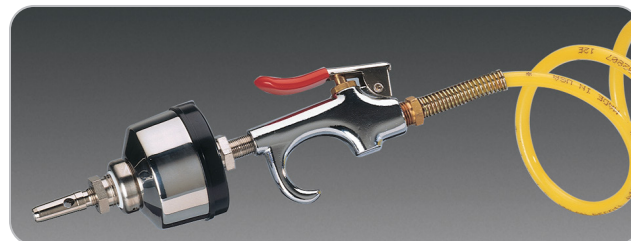
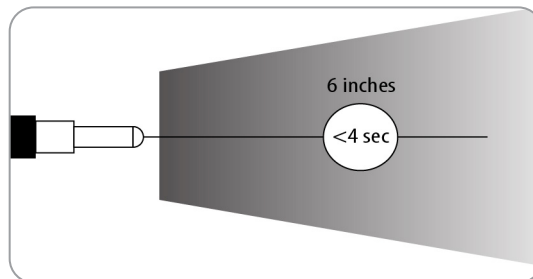
## Applications

**In-line Ionization:** Reduces ESD damage and microprocessor lock-up in:

- IC packaging and marking
- Surface-mount equipment
- Device testing equipment

**Ionizing Blow-Off Gun:** Removes particles in:

- Printed circuit board assembly
- Medical device manufacturing
- Film processing



Optional Gun/Hose Kit (P/N 91-6150).

**SIMCO ION**<sup>TM</sup>  
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