

**LEADER ON THE MARKET**

Since 2010 Simco and Ion System, the leaders in the production of Ionization System for the Electronic Industry, belong to the same Group. It is the beginning of a real and effective partnership. This will sort big benefits for all the End User, which will find a combined offer with the best solution offered by the two producers. Big benefits too for the Research and Development of new products as they will join and merge knowledge to reach the top level of technology and quality.

**IONIZATION SIMCO-ION**

- low decay time
- reduced airflow
- clean room compatible
- balanced
- IEC 61340-5-1

**ACTIVE PROTECTION SYSTEM**

Where grounding of some equipment or parts of equipment through traditional earthing techniques is impractical, where it is impossible to exclude all charging materials from the area, the use of suitable ionizers is highly recommended. Air ionization systems work by flooding the atmosphere with positive and negative ions.

When the ionized air comes in contact with a charged surface, the surface attracts ions of the opposite polarity. As a result the static electricity that has built up on products and equipment is neutralized.

Ions do remove small particles or smoke and pollens from the air, and subjective research suggest that people working in ionized area are happier.

The generated ozone is lower than 0.002ppm after 24 hours accumulation, conform to OSHA requirements.



**6422/E POINT OF USE IONIZING BLOWER**

The smallest and most versatile blower available for equipment or local area ionization. It is ideal for use inside or on top of production equipment. Battery operated model is very useful on field service call.

Discharge time	from $\pm 1000V$ to $100V \leq 10s$ at 60cm
Emitter points	Tungsten alloy, internally shielded, 5 year life
Air flow:	15m <sup>3</sup> /h
Power requirement	24Vac 5W
Dimensions:	11.4 x 8.4 x 5.1 cm
<b>9265.560</b>	Point-of-use ionizing blower, 24Vac
<b>9265.577</b>	Wall transformer 230Vac/24Vac 32W

**6432/E LOCAL AREA IONIZING BLOWER**

Controls static discharge in mid-sized areas, it is indicated for general workbenches applications, conveyors, equipment.

Discharge time	from $\pm 1000V$ to $100V \leq 7s$ at 60cm
Emitter points	Tungsten alloy, internally shielded, 5 year life
Air flow:	80m <sup>3</sup> /h
Coverage area	122x46cm
Power requirement	230Vac / 6W

**9265.576**

Local area ionizing blower



**LOCAL AREA IONIZING BLOWER AEROSTAT PC**

High performance compact ionizing blower, features an adjustable air flow speed and integrated heater. Suitable for workbenches, conveyors, robotics, packaging.

Decay Time:	$\pm 1000V$ to $100V \leq 2.5s$ at 60cm
Emitter:	Patented emitter point cleaner
Air Flow:	120 m <sup>3</sup> /h at high speed
Coverage Area:	150x30cm
Power requirement:	230Vac
Auto-balance:	0 $\pm 5 V$

**9265.578**

Local Area Ionizing Blower AEROSTAT PC, 230V



## TURBO IONIZING BLOWER XC2

The Turbo Blower is designed to achieve full control in any environment, it is ideal to cover large areas.

The fan can work at 3 different speed and has heater incorporated to grant a good comfort (heater can be turned on or off). Easy cleaning of the emitters with the "Emitter Clear Button". The decay time is minimum due to the high performance of this ionizer.

Decay Time:	$\pm 1000V$ to $100V \leq 3.5s$ at 60cm
Emitter cleaning:	"Emitter Clear Button"
Air Flow:	$250 \text{ m}^3/\text{h}$ at high speed
Power requirement:	230Vac
Auto-balance:	$0 \pm 10 V$

9265.602

Turbo Ionizing Blower XC2, 230V



## OVERHEAD IONIZING BLOWER GUARDIAN



Decay Time:	$\pm 1000V$ to $100V \leq 6s$ at 45cm
Emitter:	Patented emitter point cleaner
Air Flow:	$500 \text{ m}^3/\text{h}$ at high speed
Coverage Area:	$120 \times 60 \text{ cm}$
Power requirement:	230Vac
Auto-balance:	$0 \pm 5 V$

9265.610

Overhead Ionizing Blower GUARDIAN, 230V

It is a 3 fan smart ionizer that provides reliable, adaptable performance in the most static-sensitive environment.

Designed for mounting over the benches, conveyors, it allows a complete 3D neutralization of the static charges, without compromising space over the table, and in the most comfortable environment.

Equipped with 3 fan, adjustable air flow, heater, 13W twin tube fluorescent light, and emitter cleaning system.

## CR2000 OVERHEAD IONIZER FOR CLEAN ROOM



Decay Time:	$\pm 1000V$ to $100V \leq 3s$ at 45cm
Emitter:	Patented emitter point cleaner
Air Flow:	$450 \text{ m}^3/\text{h}$ at high speed for the 3 fan $300 \text{ m}^3/\text{h}$ for the 2 fan
Coverage Area:	$120 \times 60 \text{ cm}$ for the 3 fan version / $90 \times 60 \text{ cm}$ for the 2 fan
Power requirement:	230Vac
Auto-balance:	$0 \pm 5 V$
Clean room:	Compatible with Class 10

9265.620

CR2000 overhead ionizing blower for clean room  
2 Fan, 230V – length 81cm

9265.622

CR2000 overhead ionizing blower for clean room  
3 Fan, 230V – length 109cm

This ionizer has been designed specifically for critical clean room environment, up to Class 10. It is powerful and efficient with a minimum decay time.

It is normally used suspended over the benches, conveyors and assembling areas.

Equipped with 3 fan, adjustable air flow and emitter cleaning system. Available in 2 version, with 2 or 3 fan.

# IONIZING GUNS

Ionizing guns neutralize static charges and clean surfaces using compressed air that is ionized. Like all the ionizers they find application in the electronic industry, but they can be useful in many other contest like mechanical industry, painting works, packing areas, displays cover removing, etc... This because the neutralization of static charges simplifies the cleaning works and prevents the risk that airborne particles and dust will be attracted again.



## 6115 LIGHT ANATOMIC GUN

Usable also in clean room, ergonomically designed, light, it is used to blow off charged dust particles from electronic cards and other equipment or materials. Extremely light, anatomic, and with a flexible soft cable (no HIGH voltage passing through this cable)

Gun ergonomic, low-noise, weight 0.34kg  
 Discharge time from 1000 to 100V  $\leq 0.5$ seconds at 6", 30psi  
 Emitter points: Machined Titanium, field-replaceable  
 Gas input 20-87psi(1.4-6 bar), Clean dry air or Nitrogen  
 Ozone 0.005ppm (24 hour accumulation)  
 Noise 70dba at 1m, 30psi  
 Power requirement 24Vac - 10W

9265.530

9265.532

Complete kit including hand unit, console, air filter and transformer 220/24Vac  
 Additional Filter pack, (Pack of 3) - 0.1µm 99,99%EFF

## HEAVY DUTY TOP GUN

Designed for heavy duty jobs, due to its high performance, reliability and durability.

There is a flow control valve to adjust airflows for the specific application. It is completely ESD and can be used even in clean rooms. The version with sidekick allows "hands free" operation.

Discharge time from 1000 to 100V  $\leq 0.5$ seconds at 5cm at 60 psi  
 Air Input: adjustable to 100 psi (7 bar) max.  
 Power requirement: 230Vac  
 Noise: 76 dBA at 60cm, 30 psi

9265.520

9265.523

Ionizing Gun TOP-GUN, 230Vac  
 Ionizing Gun TOP-GUN, 230Vac  
 with flexible support and Sidekick (foot pedal switch)



9265.520



9265.523

## 6110A AIR CARTRIDGE

The cartridge can be used either for in-line ionization or as ionizing blow-off gun, adapts to compressed air lines. Two models available, one turns off ionizer when air is not flowing.

Weight 170g  
 Power 24Vac, 1W, from 9265.544 wall transformer

9265.542

9265.544

Ionizing cartridge, air flow triggered - 24Vac  
 Transformer 230/24Vac



**ATTENTION:** the cartridge don't withstand high air pressure. It should be installed downstream from any system valves or shutoffs