



**SIMCO ION**<sup>TM</sup>  
An ITW Company

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# Compact Ionizing Blower

## minION<sup>TM</sup>2

Simco-Ion's minION2 Ionizing Blower is designed to control electrostatic charges in sensitive electronics assembly and automated tool applications requiring stable operation with fast discharge time performance. The minION2 is built to deliver big performance and reliability in a compact package with a practical feature set.

A combination of unique, patented features incorporated in this product make it possible for the minION2 to deliver industry-leading performance. Simco-Ion's steady-state DC corona ion technology provides a patented control circuitry to deliver consistent performance. Performance is enhanced by use of patented radial ion emitter design. Our unique geometry and airflow control provide performance meeting the demands of electronics and critical assembly manufacturers with corona ion technology.

minION2 uses a modular wiring system that allows power delivery by "daisy-chaining" up to 3 units on one standard, modular power supply. Hard wiring of power can be accommodated by use of a terminal block located on the back of the unit. The terminal block also features a relay contact output of the fault signal to enable remote monitoring.

An optional clamp-on articulating arm stand is available for applications requiring an elevated position or to save work surface space.

### Features



- Compact Design
- Self-balancing control circuit technology
- Modular Wiring System
- Local LED and relay contact alarm signal

### Benefits

- Portable enough for field service applications; large enough for permanent benchtop or in-tool operation
- Self-monitoring to ensure controlled and consistent ion output
- 24 VDC input power supplied by wall ac adapter or by local tool power; up to 3 units daisy chained from one power source
- Convenient indication of fault ionization operation



## Specifications

<b>Input Voltage</b>	24 VDC, 250 mA, 6W
<b>Balance</b>	±10V using auto-adjust
<b>Discharge</b>	2 sec @ 1'; fan high (1000-100V)*
<b>Coverage</b>	1' x 3' area
<b>Controls</b>	Two position OFF/ON
<b>Fan Speed</b>	Recessed potentiometer.
<b>LED Indicators</b>	Green POWER; Red FAULT
<b>Airflow</b>	21-42 cfm
<b>Audible Noise</b>	52 dBA (max), fan speed high (2' from unit)
<b>Operating Env.</b>	Temperature 32-122°F (0-50°C); humidity 30-70% RH, non-condensing
<b>Emitters</b>	Six stainless steel
<b>Connectors</b>	Two 4P4C "handset" modular/power; plug-type terminal block/power and fault signal
<b>Power Supply</b>	Universal 100-240 VAC input (IEC-320)/24 VDC, 1.66A output (suitable to power up to 3 units)
<b>Mounting</b>	Stainless steel; optional articulating arm
<b>Enclosure</b>	White reinforced polycarbonate
<b>Dimensions</b>	3.875W x 5.375H x 2.375D in. (98 x 136 x 60 mm)
<b>Weight</b>	1.1 lb (0.5 kg)
<b>Warranty</b>	Two year limited warranty
<b>Certifications</b>	  RoHS 2 Compliant

\* Tested in accordance with ANSI/ESD STM3.1-2006.

## Ordering Information

4112230	minION2 (no DC power supply), locking stand, 4P cable
4011424	minION2 (no DC power supply)
4011425	minION2 with 100/120 VAC to 24 VDC power supply, North America
4011426	minION2 with 230 VAC to 24 VDC power supply, Continental Europe
4011427	minION2 with 230 VAC to 24 VDC power supply, United Kingdom
4025592	MinION2 with 230 VAC to 24 VDC power supply, China
5051141	Articulating Arm Kit

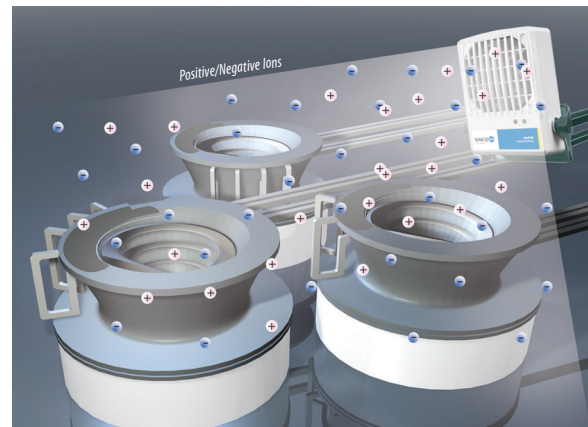
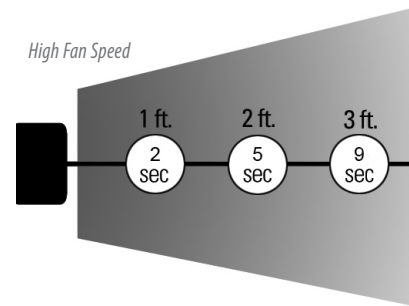
## Designed for Convenient Mounting

The minION2 ionizer is designed for portable or permanent operation. The stand provided can be used in a permanent operation by bolting it to a sturdy flat surface such as a wall or shelf. The optional Articulating Arm offers flexibility for directed ionization into hard to reach target areas.



minION2 with Optional Articulating Arm

## Discharge Time (typical)



minION2 ionization for bowl feeder application.



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