

SIMCO ION™
An ITW Company

Ionization Solutions

WWW.SIMCO-ION.COM

Compact Ionizing Blower

minION™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 makes it possible for the minION2 to deliver industry-leading performance. Simco-Ion's technology provides a patented control circuitry to deliver consistent performance. Performance is enhanced by the use of patented radial ion emitter design. Our unique geometry and airflow control provides performance meeting the demands of electronics and critical assembly manufacturers.

minION2 uses a modular wiring system that allows power delivery by "daisy-chaining" up to 3 units on one standard, modular power supply. Hardwiring of power can be accommodated by the 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.

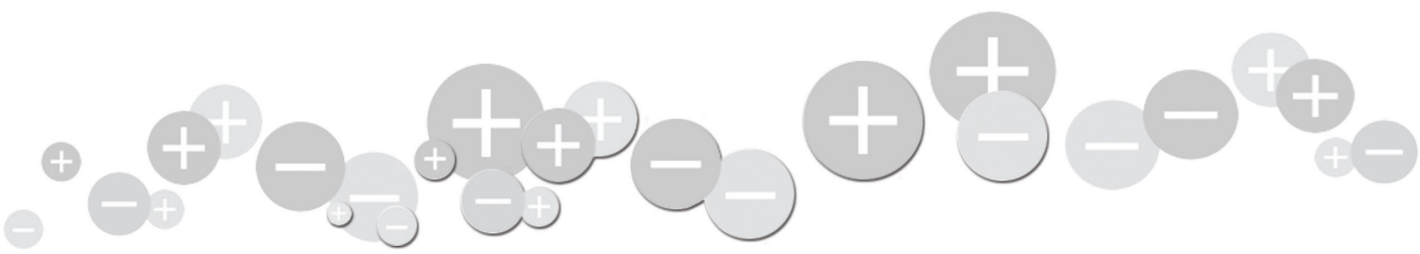
An optional clamp-on articulating arm stand is available for applications requiring an elevated position or to save work surface space.

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, consistent ion output
- 24 VDC input power supplied by a wall AC adapter or by local tool power; up to 3 units daisy-chained from one power source
- Convenient indication of fault ionization operation



minION2	
Input Voltage	24 VDC, 0.25A, 6W; available with Simco-Ion power adapter; 100-240 VAC input/24 VDC, 1.66A output; suitable to power up to 3 units
Discharge	2 sec @ 12" (30.5 cm); 1000-100V fan high
Balance	±10V
Coverage	12" x 36" (30.5 x 91.4 cm) area
Ion Emission	Steady-state DC Technology
Emitter	Stainless Steel
Cleanroom Class	ISO 14644-1 Class 5
LED Indicator	Green POWER; Red FAULT
Control	Power ON/OFF; fan speed, variable by recessed potentiometer
Airflow	21-42 cfm
Audible Noise	52 dBA (max), high fan; measured 24" (61.0 cm) in front of blower
Connector	Two 4P4C "handset" modular/power; plug-type terminal block/power and fault signal
Mounting	Stainless steel; optional articulating arm
Operating Env	32-122°F (0-50°C); 30-70% RH, non-condensing
Enclosure	White reinforced polycarbonate
Dimension	3.81" x 5.37" x 2.05" (9.68 x 13.6 x 5.21 cm) without stand
Weight	1.10 lb (0.50 kg)
Certification	CE c UL us RoHS2 UK CA

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

Ordering Information

4011424	minION2 without power supply
4011425	minION2 with 100/120 VAC Japan/N. American power supply
4011426	minION2 with 230 VAC Continental Europe power supply
4011427	minION2 with 230 VAC with United Kingdom power supply
4015592	minION2 with 230 VAC China power supply
4012230	minION2 without power supply, locking bracket, 4P cable
4012231	minION2 with locking bracket with 100/120 VAC Japan/N. American power supply
5051141	Articulating Arm Kit

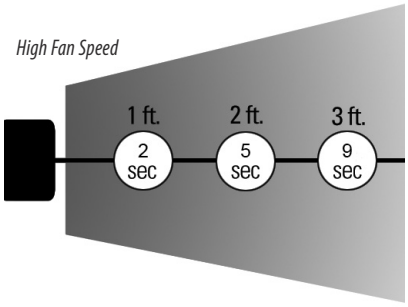
Designed for Convenient Mounting

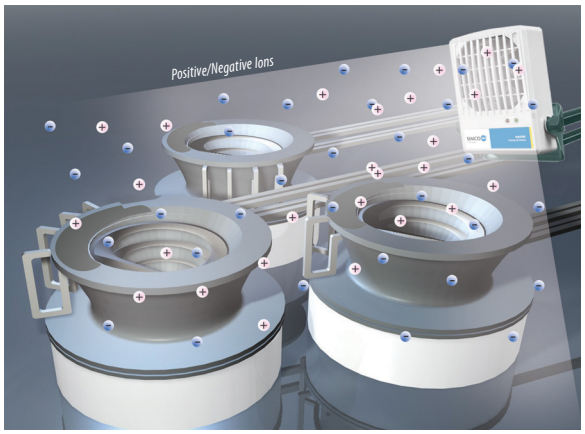
The minION2 ionizer is designed for portable or permanent operation. The stand provided can be used in a permanent operation by bolting it to a sturdy flat surface such as a wall or shelf. The optional Articulating Arm offers flexibility for directed ionization into hard to reach target areas.



minION2 with Optional Articulating Arm

Discharge Time (typical)





minION2 ionization for bowl feeder application.

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