



Extended Coverage Benchtop Ionizing Blower

VSE 3000

Simco-Ion's Volume Static Eliminator 3000 Extended Coverage Benchtop Ionizing Blower is an efficient workstation ionizer which effectively eliminates electrostatic charges quickly and reliably. The VSE 3000's variable speed fan and integral air flow diffuser floods the entire workstation with static eliminating ions for superior performance.

Reliable ion balance is maintained even during input voltage fluctuation occurrences. The VSE 3000's self-balancing circuitry maintains a balance range of $0 \pm 5V$. Designed using sound absorbing materials, the VSE 3000 is exceptionally quiet while delivering a powerful air flow with low energy loss.

The VSE 3000 features an integrated user controlled heater for operator comfort, rear panel blower controls for easy operation when mounting overhead or on a wall and an optional air filter assembly for use in extremely dirty environments.

Features



- Self-balancing circuit for reliable $0 \pm 5V$ balance
- Rapid static charge decay times over a wide coverage area
- Removable emitter assembly for fast, efficient cleaning
- Integrated heater
- Variable speed fan control
- Optional air filter

Benefits

- Protects even the most sensitive electronic components
- Neutralizes charges over the entire workbench
- Easily to maintain for sustainable static charge control
- Provides a comfortable working environment for operators ensuring continuous operation
- Precisely controls the airflow for efficient ionization
- Adapts for use in extremely dusty conditions



Specifications

Input Voltage	115V, 60 Hz: 5A (heater on/high fan); 230V, 50 Hz: 2.5A (heater on/high fan)
Discharge	<1.0 sec @ 1'; fan speed high (1000-100V) ¹
Balance	0 ±5V
Ion Emission	AC Ionization
Emitter Points	Stainless Steel
Controls	POWER ON/OFF switch, HEATER ON/OFF switch, variable FAN SPEED control
Indicator Lights	Green POWER lamp
Effective Coverage	2' x 4'; angled ionized air 60 degrees
Air Volume	80-160 cfm (low to high fan speed)
Air Velocity	550 fpm @ 2' measured at centerline
Heated Air Temp	Fan speed: min 16°F (8.8°C) above ambient; max 8°F (4.4°C) above ambient
Operating Env.	Temperature 32-95°F (0-35°C); humidity 30-70% RH, non-condensing
Audible Noise	63 dBA (max) measured 2' from unit, fan speed (max)
Ozone	<0.05 ppm measured @ 6" in front of unit ²
Air Filter	30 ppi open cell polyurethane foam (optional)
Mounting	Metal stand 12.5" x 5.5" (316 x 140 mm) footprint, included
Enclosure	Blue G.E. Noryl polymer plastic
Dimensions	12W x 6.25H x 10D in. (305 x 159 x 254 mm)
Weight	8 lbs (3.6 kg)
Warranty	Two year limited warranty
Certifications	 230V, 50 Hz  120V, 60 Hz

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

2. Test conducted in accordance with EPS EQQA-9577-019 using Dashibi Ozone Monitor Model 1003AH.

Ordering Information

10735-001	VSE 3000, 115, 60 Hz, UL, United States
10735-014	VSE 3000, 230V, 50Hz CE, Continental Europe
10735-015	VSE 3000, 230V, 50Hz CE, United Kingdom
10790	VSE 3000 Air Filter Kit (frame +5 filters)
5050974	VSE 3000 Air Filter Pack (10 filters)

Wide Variety of Applications

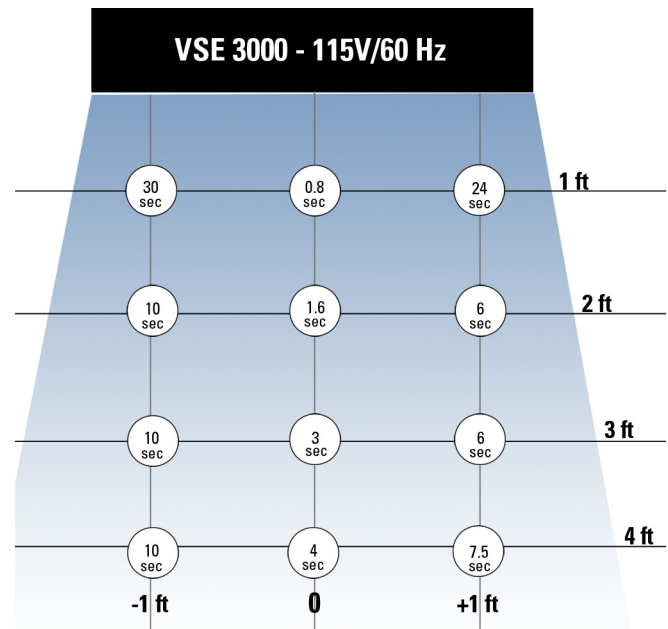
The VSE 3000 is designed to control damage to sensitive components and products from both electrostatic discharge and electrostatic attraction in a wide variety of applications. The VSE 3000 is widely used in the electronics manufacturing and medical device assembly, test and packaging processes. The VSE 3000 is also designed for use in the module assembly and test processes within the flat panel display industry.



Individual power, heater and variable fan speed controls for convenient and precise blower operation.

Coverage Area Discharge Times

Discharge times are tested across the workstation area in accordance with ANSI/ESD STM3.1-2006. Each point shows the discharge times (1000-100V) with high fan speed. Times are slightly higher with 230V/50 Hz unit.



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