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Find the *Chapman VSE 3000* at our website: *Click HERE*

VSE 3000 Volume Static Eliminator





Individual heater and fan speed controls.

The Chapman VSE 3000 Volume Static Eliminator (manufactured by SIMCO) 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 patented self-balancing circuitry maintains a balance range of 0+/-5V. Exceptionally quiet, the unit delivers a powerful air flow with low energy loss. Noise levels are low due to sophisticated sound absorbing materials. An individually-controlled heater provides operator comfort. The VSE 3000 can also be mounted overhead or on walls. Optional air filter if required.

Features

- Self-balancing circuit for reliable 0 +/-5V balance
- Long-life emitter points
- Removable emitter assembly for fast, efficient cleaning
- Rugged enclosure

Benefits

- Powerful, precisely-controlled airflow even at slow speed
- Individually controlled heater provides operator comfort
- Wide-angle air diffuser spreads ions for ideal work surface coverage

Typical Applications:

- Electronics Assembly
- Disk Drive Assembly
- Medical Device Assembly

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VSE 3000 Volume Static Eliminator

Specifications

Part Numbers

VSE 3000, ... 10735-001
115V, 60 Hz, UL listed
VSE 3000, ... 10735-014
230V, 50 Hz, CE compliant

Replacement Filter Kit 10790CC
(5 filters and holder)

Discharge Time

<1.0 sec (1000 V to 100 V) at 12”

Size

12” W X 6.25” H x 10” D

(305 mm W x 159 mm H x 254 mm D)

Footprint of Stand

12.5” x 5.5” (316 x 140 mm)

Weight

8 lbs. (3.6 kg.)

Air Volume Output

Variable: 80 to 160 cubic ft/min
(38 to 76 liters/sec)

Air Velocity

550 ft/min at 2 ft at max fan speed
(2.8 m/sec at 0.6 m)

Power

35 Watts with heater off;
435 Watts with heater on

Angle of Ionized Air Coverage

60 degrees

Effective Coverage

2’ x 4’ Area

Ion Balance (offset voltage)

0V ±5V self-balancing at all normal conditions

Operating Temperature Range

32° F (0° C) to 122° F (50° C)

Heated Air Temperature

Fan Speed	*Above Ambient*
Minimum	16° F (8.8° C)
Maximum	8° F (4.4° C)

Ozone Production

<0.05 ppm per UL 867

EMI/RFI

Complies with FCC Part 15 Requirements for Class A equipment

Noise Level

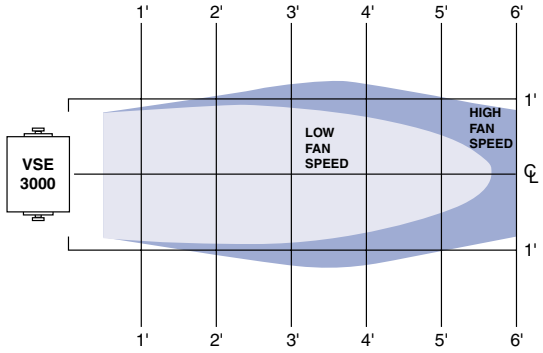
Fan Speed High: 63 dB(A) max, measured 2 ft. (61 cm) from unit

Enclosure

G.E. Noryl (polyphenylene oxide), enameled

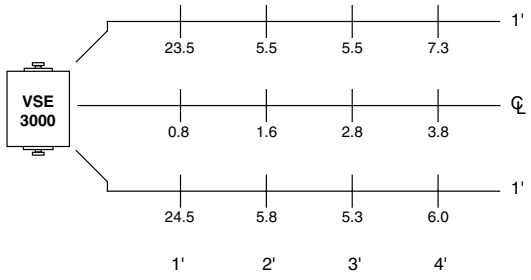
VSE 3000 Performance

Each region represents a discharge time of less than 10 seconds. Discharge time determined per EOS/ESD Association Standard 3, 1000 Volts to 100 Volts



Charge Decay Efficiency

Discharge time determined as per EOS/ESD Association Standard 3, using 6" x 6", 20 pF plate (charged plate monitor). Discharge times are in seconds from 1000 V to 100 V. (Discharge times slightly longer for 230 V, 50 Hz.)



SIMCO®
An Illinois Tool Works Company

Static Control and Cleanroom Products

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