



Static Eliminator

Straight louver

Wide-angle louver

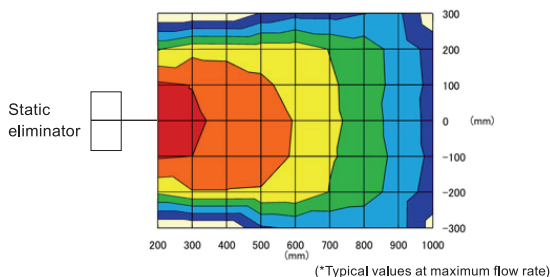
HAKKO FE-510
STATIC ELIMINATOR

Choice of two louvers lets you select static elimination area

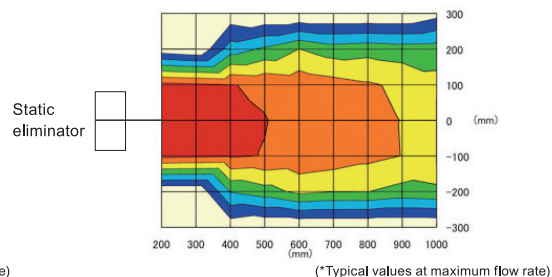
Louvers snap on and off for easy handling. This safe design ensures that the unit cannot be turned on unless the louver is attached correctly.

HAKKO FE-510 Typical static elimination area and characteristics ($\pm 1000\text{ V} \rightarrow \pm 10\text{ V}$)

● With wide-angle louver



● With straight louver

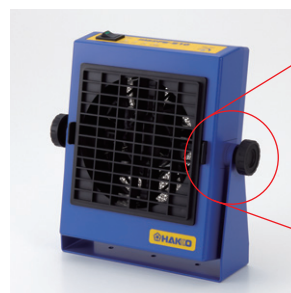


Static charge removal time (s)

15-18
12-15
9-12
6-9
3-6
0-3

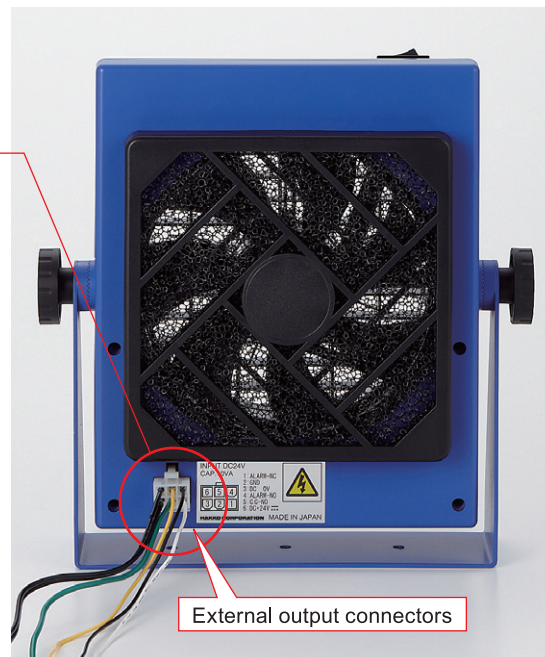
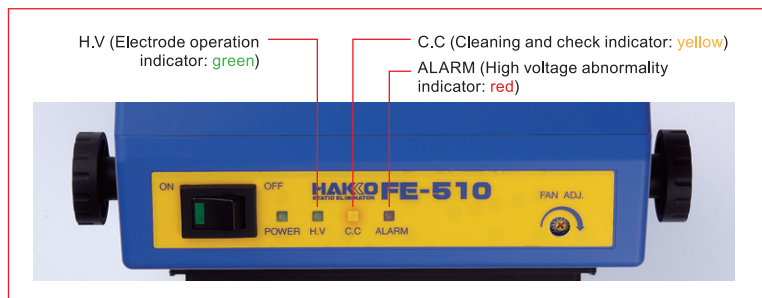
Locking mechanism maintains angle of eliminator unit

If you've ever found that a static eliminator wasn't working because vibration had shaken it out of alignment, you'll appreciate the FE-510's handy locking mechanism. This handy feature lets you lock the unit securely in place and puts an end to worries about misalignment problems caused by vibrating equipment.



Handy error output signal perfect for built-in applications

This feature can be used to warn the operator when the discharge electrode is dirty or worn. When used on a desktop, these warnings are provided by indicators.



Superb ease of maintenance

Discharge electrode can be replaced simply by turning it gently in a clockwise direction.

Also comes with a handy brush for cleaning the discharge electrode.



Packing List

HAKKO FE-510 Static Eliminator

Static eliminator unit, wide-angle/straight louver, cleaning brush, filter, AC adapter, output signal connection leads (set of 3), and instruction manual



*Filter is housed inside static eliminator unit itself.

Replacement Parts

Part No	Part Name
A1449	Filter
B3643	Discharge electrode

*Filter is the same as that used for HAKKO 443.

Option

HAKKO FG-450 Static level meter

Use to check ion balance of static eliminator unit.



Specifications

Model name	HAKKO FE-510
AC adapter output	24 V DC
Capacity	10 VA
Discharge method	High-frequency corona
High voltage output	2,000 V AC
Ion balance*	±10 V or less
Static charge removal time*	Straight louver: Approx. 1.5 s Wide-angle louver: Approx. 2.5 s
High voltage abnormality output (ALARM)	MOS FET relay non-voltage contact output Max. current: 100 mA, Applied current: 30 V DC or less
Cleaning check output (C.C.)	MOS FET relay non-voltage contact output Max. current: 100 mA, Applied current: 30 V DC or less
Airflow	1.5 to 3.0 m ³ /min
Airflow out angle	Vertically 360° (variable in 10° increments)
Quantity of produced ozone	0.04 ppm or less (typical value at distance of 150 mm from center of fan outlet)
Ambient temperature	0 to 40°C
Ambient humidity	15 to 65% (No condensation allowed)
Dimensions	150 (W) x 182 (H) x 50 (D) mm (excluding projections)
Weight	Approx. 790 g (including stand)
Materials	Enclosure: ABS, Discharge electrode: Tungsten, Stand: SECC
Accessories	Instruction manual, AC adapter, straight louver, output signal connection leads (set of 3), and cleaning brush

*Typical pre-shipment value at distance of 300 mm from center of fan outlet at maximum airflow.

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