

STAT·CLEAN[®] Series

Built-in DUAL-PIEZO

INTELLIGENT STATIC ERASER, Ion Balance Sensor, Fan type

STAT·CLEAN SF9-E (EDP No. 621364)

Integrated sensor and static erasing fan type **CE RoHS**

Combination of an ultra-small piezo element with microcomputer control produces the best performance in its class.

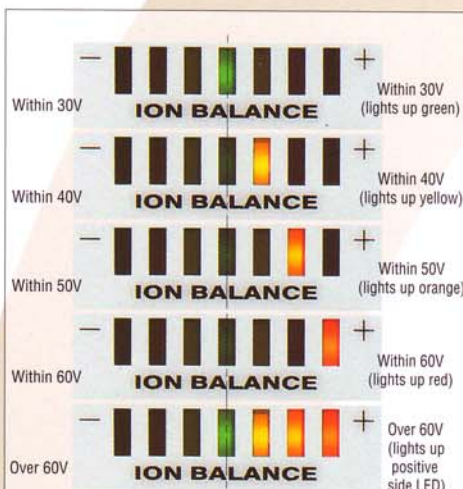


[Features]

- ① Propriety feedback sensor maintains a highly accurate ion balance of ± 5 V or less.
- ② Equipped with 2 piezoelectric transformers. High static erasing capability even during long-term use. $+1.2$ sec/ -1.6 sec
- ③ Low-voltage transformers generate little ozone. 0.05 ppm or less.
- ④ Fan speed can be adjusted to 3 speeds: High, Medium, and Low. Quiet 52 dB (At maximum fan speed)
- ⑤ With warning signal external output terminal.
- ⑥ Comes with an ion balance indicator that shows when maintenance is required and changes in ion balance.

Operation panel allows for centralized control

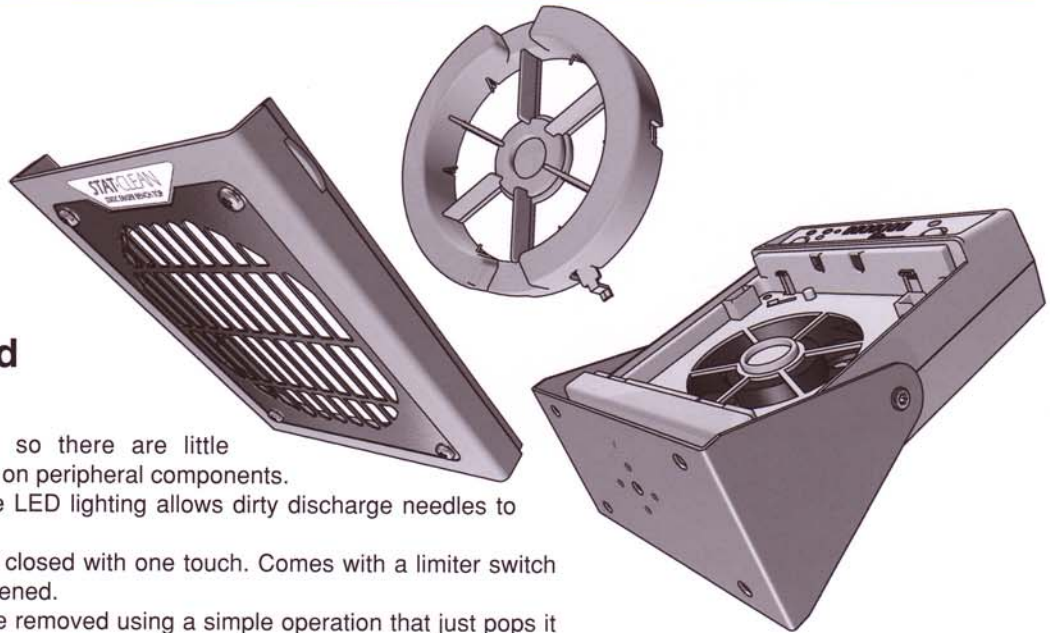
- Lighting
- Blinking



Reference value (When the ion balance shifts to a positive value)
The display may fluctuate depending on the environment.



CE RoHS



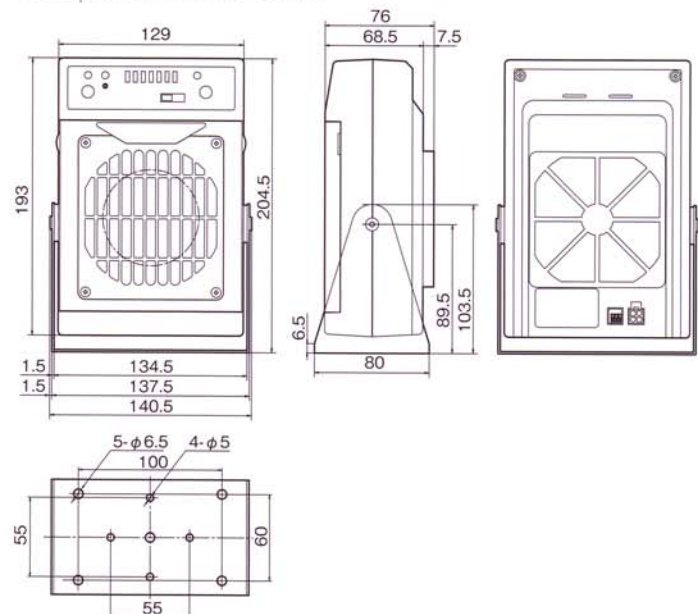
Pursuing safety and easy maintenance

- Uses 24V low-voltage wiring, so there are little current leaks or negative impact on peripheral components.
- First in industry. High luminance LED lighting allows dirty discharge needles to be recognized visually.
- Front guard can be opened and closed with one touch. Comes with a limiter switch that turns off the power when opened.
- The needle electrode unit can be removed using a simple operation that just pops it out.
- Built-in function for monitoring fan stoppage and high voltage stoppage. External output of the warning signal is also possible.
- Passed the CE low-voltage order/EMC order. This static eraser unit has low noise characteristics and very little impact on other components.

Specification

| | |
|---------------------------------|---|
| Model | No.SF-9 |
| Ion generation method | High voltage DC corona discharge |
| Output voltage | DC4.0kV — 8.0kV |
| Input voltage | DC24V ± 5% 340mA (TYP.) |
| Dimensions | H193×W129×D76 (H204.5×W140.5×D80 Including stand) mm |
| Weight | 980g |
| Fan speed | 1.8m ³ /min (Max. Fan Speed Catalog value) |
| Noise emission | HI:52dB, MID:46dB, LO:37dB (A, Measured at 1m) |
| Ozone generation | 0.05ppm or less (Measured at 50mm) |
| Working ambient | 0 — 60°C / 35 — 65%RH (No dewing) |
| Temperature/humidity | |
| Distance from target area | 150 — 900mm (Installation location: Non-dangerous indoor location) |
| Static electricity removal time | Refer to the items in the capabilities chart. |
| Ion balance | Within ±5V (At 300mm) |
| Accessories | Adapter No.AD24-IT-EX |
| Consumables | Wire plate : SF-9H Filter : SF-9F |

Component dimensions



Static removal function

| | | | | |
|--|-----------|-----------|------------|-------|
| | 300mm | 600mm | 900mm | 150mm |
| | -1.0V | -2.0V | 0.0V | |
| | + 2.8 sec | + 4.5 sec | + 8.0 sec | |
| | - 5.1 sec | - 6.3 sec | - 9.9 sec | |
| | -3.0V | -1.0V | 2.0V | |
| | + 1.2 sec | + 3.1 sec | + 6.8 sec | |
| | - 1.6 sec | - 4.5 sec | - 8.6 sec | |
| | 1.0V | 1.0V | 0.0V | |
| | + 3.9 sec | + 6.0 sec | + 9.1 sec | |
| | - 6.2 sec | - 8.1 sec | - 14.3 sec | |
| | 0mm | 150mm | | |

Uses ANSI EOS/ESD S3.1 compliant CPM : TREK 158,
 Temperature : 25°C, Humidity : 50%
 Top row : Ion balance value
 Middle row : Attenuation time from +1000V to +100V
 Bottom row : Attenuation time from -1000V to -100V

*The measured values were obtained in Vessel's measurement environment.
 Measurements obtained in the operation environment may differ from above stated value.