

Auto-Balanced Ionization System

Model 3303

Overhead Ionizing Blower



Features

- CoreStat Auto-Balanced Technology
- Steady-state DC Ion Emission
- Low Balance
- Facility Monitoring System(FMS) Interface
- Alarm (HV Power Fail, Balance Fail)
- Personal Safety Fan Grill Cover
- IR Remote control
- Fan Speed Adjustable

Benefits

- No Calibration Required
- 4-20mA Current Loop and Relay Output Monitoring
- Alarm (Visual , Audio)
- Emitter Point Easy Clean and Replace
- Alarm Output Connect to Process Equipment
- Versatile Application

Applications

Tribocharging is a typical ESD source and induced field from insulators must be controlled in EPA(ESD protected area). Process required insulators are commonly used in many places and should be neutralize by ionization systems.

Model 3303 has designed versatile applications for semiconductor backend, printed circuit board assembly and general electronics applications.

Model 3303 ionizing Blower doesn't required regular based calibration. It has intrinsically maintain low offset voltage within a specification. Alarm output monitoring interface will allow real time ionizer status monitoring and give visual & audio alarms when HV power fail and imbalance situation.

Model 3303 Overhead Ionizing Blower



Specifications

| | |
|-----------------------|---|
| Input Voltage | 100 ~ 240V AC, 1A Maximum |
| Ion Emission | Steady-State DC Technology |
| Ion Balance | ± 20 |
| Discharge Time | $\pm 1000V$ to $\pm 100V$ less than 2 sec at 45cm |
| Aif Flow | 100 CFM ~ 150 CFM |
| Emitter Point | Tungsten 99.99% |
| Alarm Function | Visual (LED), Audio (Buzzer) when HV Power Fail Out of Balance Alarm (Factory Set) |
| Output Monitoring | FMS Interface |
| Material | Enclosure - ABS (Gray), Filter Cover - ABS (Black) Bracket - ABS (Gray) |
| Option | IR Remote Controller |
| Operating Environment | Temperature: 15 ~ 35°C Relative Humidity: 35 ~ 75% RH |
| Dimensions | 1000W x 118H x 180D mm |
| Weight | 3.6kg |
| Warranty | 2 year Limited |

Status

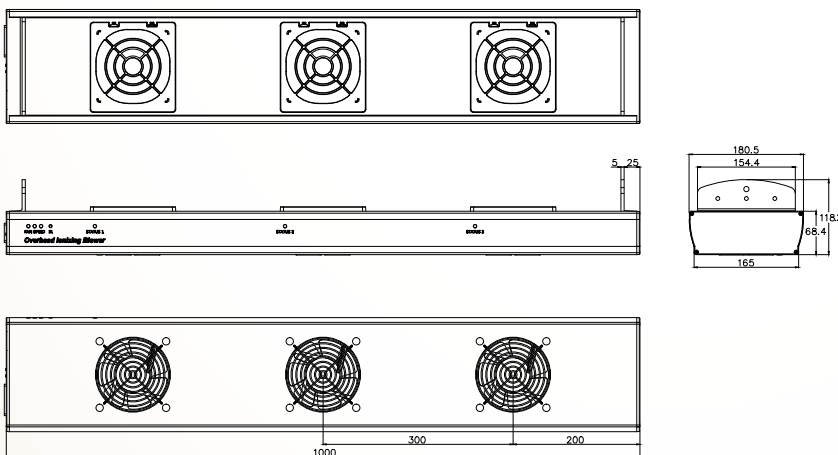
| Mode | Visual | Audio |
|------------------|--------|------------------|
| Normal Operation | GREEN | Inactivate |
| HV Power Fail | RED | Continuous Sound |
| Balance Fail | RED | Cutting Sound |

FMS

| Facility Monitoring System Output Signals | | | |
|---|-----------|-----------|---------|
| Condition | FMS 1 ~ 2 | FMS 4~5 | FMS 3~6 |
| Normal | Open | 4 ~ 5mA | Open |
| Alarm | Closed | 17 ~ 20mA | Closed |
| Power OFF | Closed | Open | Closed |

| Pin No. | Description |
|---------|-----------------------------------|
| FMS 1 | Alarm relay output |
| FMS 2 | Relay common |
| FMS 3 | Balance Alarm relay output |
| FMS 4 | Current output for each operation |
| FMS 5 | Current output reference ground |
| FMS 6 | Balance Relay common |

Product Length and Detail Size(mm)



Model 3303 Discharge Time

