

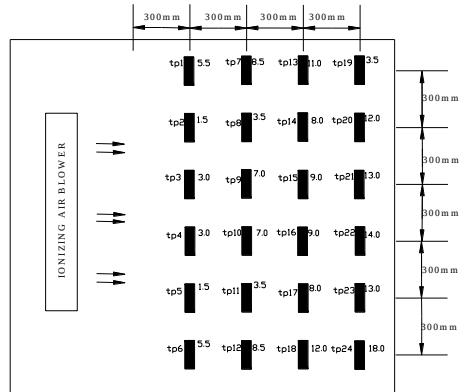
IONIZING
AIR BLOWER OVERHEAD
MODEL: VECTECH 442A

INSTRUCTIONS MANUAL

The Ionizing AIR BLOWER (OVERHEAD) is a member of the ionizing air blower family. The BLOWER OVERHEAD is a three-Fan unit designed to provide targeted coverage for electrostatic problems.

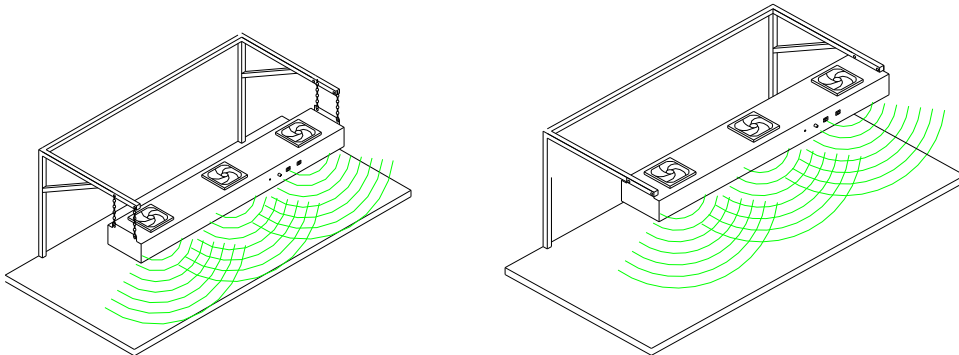
SECTION6 Discharge Test

Test from 1000V to 100V:



- Offset voltage and discharge time determined as per ESD Association Standard No. 3 using 6" x 6", 20pF plate (charged plate monitor).
- Discharge times are in seconds from 1000V to 100V at locations shown.
- Above testing value can be changed with difference of temperature, humidity, air pressure and ambient environment.
- Suggest using it in the humidity range of 50% ~ 70%.

SECTION 7 How to Hang



MATTERS FOR DAILY INSPECTION

- * Clean high voltage needles
- * Verify grounding connection
- * Inspect equipment for damage
- * Inspect for moisture or other contaminants

SECTION 1 Specifications

Input Voltage	110VAC
Power	50W
Output Voltage	about 5.6kVAC
Ion Balance (offset voltage)	$< \pm 15V$ (test at the 450mm)
Air Flow Characteristics	1200mm×1500mm Area Coverage
Ion Balance Rate	1.5s From 1000V to 100V @450mm
Airflow	$< 1.2 \sim 2.4m^3 \times 3$, adjustable
Noise	$< 55dB$
Ozone Production	0.01ppm measured 150mm in front of unit, fan low
Operating Temperature	0°C~50°C
Filter Device	Carbon filter
Dimension	800 (L) × 175 (W) × 100 (D) mm
Weight	9Kg

SECTION2 Features

- Inherently balanced ion output and with working indicator lamp.
- With three low-voltage DC fans which have large air volume. And with filter inside, which make the ion airflow is clean and effective to neutralize the static.

- Rapidly neutralizes static charges and covers an extended distance and large area coverage.
- Variable speed fan with wide range of air flow.
- Low noise.
- Expediently ion emitter cleaner.
- Overhead design which can save the working time and provide wide effectual discharge area.

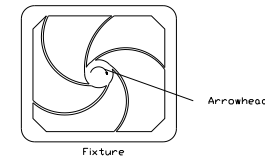
SECTION3 Specifications

- Clean the air.
- Neutralize the static charge on the IC, PCB, device and so on. And protect the unit from the static charge damage.

SECTION4 Operation

1. Connect the power socket and then turn on the power switch. Activate the BLOWER by turning the FAN SPEED knob clockwise. The IONIZATION INDICATOR will illuminate to indicate the presence of ionized air. Set the airflow as desired by adjusting the FAN SPEED knob.
2. After finishing use, it must turn off the power switch.
3. To clean the ion emitter points, rotate the POINT CLEANER knob clockwise to the stop (approximately 360°) and release.
4. Under the unclean environment, please set the filtration attached. This filtration includes a fixture and a carbon filter.
5. Put the carbon filter inside the fixture, and then fix the fixture to the plastic shield. Press down the edge of fixture slightly, so that the fixture will be locked in.

Note: Make figures of the fixture and the shield superposed. Keep the arrowhead gadarene.



SECTION5 Maintenance

5.1 Air Filter Cleaning

Remove the air filter from the rear of the unit by unsnapping the filter retainer. Clean the filter in plain water while gently squeezing. If the dirt is stubborn, wash the filter in mild soap and water then rinse. Wipe the filter dry with paper towels. Install filter on air inlet and secure by snapping the filter retainer in place.

NOTE: If an air filter is used, clean the air filter regularly.

5.2 Ion Balance Check

When testing the unit for ion balance, the use of a charged plate monitor such as the CPM 374 is recommended. Offset voltage should be measured and checked against the Ion Balance in Section 6.

5.3 Iron Balance Adjusting

The unit has the iron balance adjusting function. When iron balance offsets too much, it must do the iron balance adjusting. On the back of the unit, there are three adjusting switch which is corresponding with the three blowers. Adjust clockwise the adjusting switch with the insulating screwdriver when the iron balance is partial to positive, and adjust anticlockwise when the iron balance is partial to negative.