

# AIR BLOWERS

## 2050 IONISED AIR BLOWERS

High specification Ionised Air Blower with integrated power unit and controls.

High performance ionisation to meet the demanding requirements in the electronics, medical, pharmaceutical and RFID industries.

- > High Performance with excellent electrical balance +/- 30 V is standard for this model.
- > Visible alarm if there is non-function or if the unit. LEDs showing operational condition: green = ok, red = fault.
- > Portable and easy to install - with adjustable stand for mounting versatility.
- > Long life tungsten emitters. Replaceable if damaged.
- > Adjustable airflow up to 170 m<sup>3</sup>/hr (100 cfm).
- > High performance axial fan, ball bearing, with life expectancy of 120,000 hours at 40°.
- > Available in three multifan versions:  
2052 - 510 mm long with two fans.  
2053 - 780 mm long with three fans.  
2054 - 1050 mm long with four fans.  
Please see separate Datasheet.



### Specification

<b>Neutralisation / Charge reduction:</b>	5000 V to 500 V < 1 second at 300 mm.
<b>Alarm:</b>	Visual alarm if there is a fault with high voltage output.
<b>Ion Balance:</b>	The ion balance is factory set to +/- 30 V. Where this is critical it should be checked as required. Balance is adjusted with a 2 mm screw driver.
<b>Air Flow:</b>	Adjustable up to max of 170 m <sup>3</sup> /hr (100 cfm).
<b>Noise:</b>	Low speed: 45 dB. High Speed: 56 dB.
<b>Filter:</b>	Optional, with replaceable element.
<b>Electrical:</b>	The 2050 operates with 12V DC. A 90 V - 264 V 47-63 Hz mains adapter is supplied with the equipment. The 2050 must be earthed, an earth lead is provided.
<b>Construction:</b>	Anodised and texture coated aluminium, stainless steel stand.
<b>Environment:</b>	Temperature -0 °C to +60 °C. Humidity max. 70 % non-condensing.

## How it works:

An integrated power supply generates high voltage which is transmitted to emitters around the axial fan to create ionised air. The airflow from the fan transports the ionised air to the object to be neutralised.

## Applications

The balanced and controlled ionised air produced by the 2050 was originally designed to meet the exacting requirements of the electronics industry, but its power and performance allows it to be used in many other areas of industry:

- Pharmaceutical and medical:** Neutralising the charge on packaging and in production.
- Plastics:** On injection mouldings, extrusions, bottles.
- General industry:** Automated lines, bowl feeders.
- Packaging:** Wrapping machines, thermoforming.

## Dimensions

