AIR BLOWERS

2052, 2053 & 2054
IONISED AIR BLOWERS

High specification multifan Ionised Air Blowers 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 +/- 30V 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 170m^3/hr (100cfm) per fan.
- High performance axial fan, ball bearing, with life expectancy of 120,000 hours at 40°.
- Available in three multifan versions:
  2052 - 510mm long with two fans.
  2053 - 780mm long with three fans.
  2054 - 1050 mm long with four fans.
  Please see separate Datasheet for single fan option - Model 2050.

Specification

Neutralisation /Charge reduction:	5000V to 500V < 1 second at 300mm.
Alarm:	Visual alarm if there is a fault with high voltage output.
Ion Balance:	The ion balance is factory set to +/- 30V. Where this is critical it should be checked as required. Balance is adjusted with a 2mm screw driver.
Air flow per fan	Adjustable up to max of 170m^3/hr . (100cfm)
Noise:	Low speed: 45dB. High Speed: 56dB.
Filter:	Optional, with replaceable element.
Electrical:	The 2050 Blowers operate with 12V DC. A 100V-240V, 47-63Hz mains adapter is supplied with the equipment. The 2050 must be earthed, an earth lead is provided.
Construction:	Aluminium, stainless steel stand.
Environment:	Temperature –0°C to +60°C. Humidity max. 70% non-condensing.

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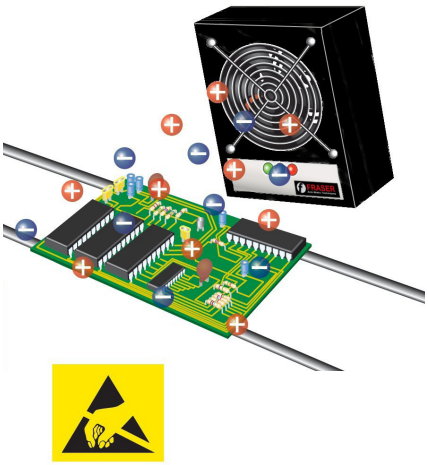
How it works:

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.

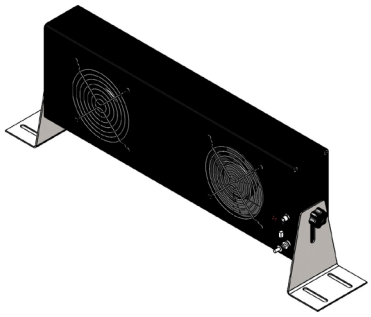


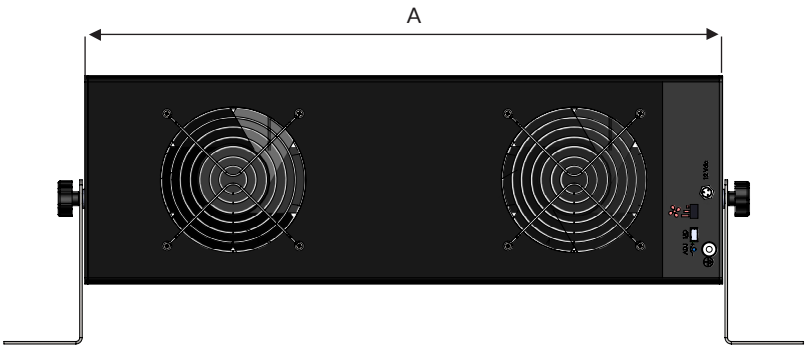
Applications

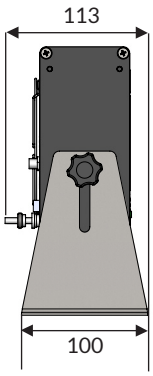
The balanced and controlled ionised air produced by the 2050s were originally designed to meet the exacting requirements of the electronics industry, but its power and performance allows it to be used in many other areas of industry:

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







Dimension A
2052: 510mm
2053: 780mm
2054: 1050mm

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