

Home > Ovens & Furnaces Industrial Ovens >

Airflow Group 4m x 2m x 2m Electric 250°C Oven (No.1)



Stock Code: OB2302JS

Manufacturer: Airflow Group

Model: 4 x 2 x 2 Electric 250°C

Year of Manufacture: 2014

Serial: AIRO1228-04

New or Used: Used (Second Hand)

Internal Size (WxDxH mm): 4000 x 2000 x 2000

Max Temp: 250°C

Other Info: Max Kw rating: 90kw very easily reduced

External Dimensions (WxDxH): 4750 x 2180 x 2500

Airflow Premier Box & Batch Oven

Airflow Box ovens are of the hot air recirculation type. With this design, the Oven interior is heated by a fan assisted convection process. The heated air is constantly recycled around the Oven's interior to maintain superb temperature consistency.

Airflow Ovens are intended for all Industrial Drying, Stoving, Curing and Heating applications from 30° to 250°C. In normal use, the oven operates at considerably reduced power to simply maintain its internal temperature.

Airflow Oven systems offer simple and very accurate digital temperature control (removed due to the information stored in them). The ovens are fuel efficient and responsive due largely to the utilisation of the current heater technology as well as the oven's fully integrated, insulated construction.

Airflow Ovens incorporate electronic over temperature protection, a powered fume exhaust system, and an internal safety handle to prevent operator entrapment.



Home > Ovens & Furnaces Industrial Ovens >

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Applications:

- Paint Stoving
- Epoxy/Polyester Powder Curing
- Lacquer Drying
- Hydrosetting
- Moisture removal
- Plastic Curing
- Rubber softening
- Metal annealing
- Spring stress relieving
- Excellent Heat Distribution

A good distribution of heat is vital for successful process.

To ensure good performance, all Airflow Ovens incorporate medium pressure multi vane centrifugal fans complete with scroll casings to provide a very positive and well controlled air movement. This is usually at least four complete air recycles per minute. Large duct work ensures that the high air volume will not disturb the product.

Fully Pinned Construction

All of the oven panel work is pinned together during final assembly. For this reason the oven can, if required, be delivered 'Flat Packed' to site to make delivery and positioning on site particularly simple. Furthermore, future modifications to the oven's size or site removals are also much simplified.

Fully Insulated Heated Box and Recirculation Fans

The oven's heat exchanger enclosure incorporates integrated, internal, plug type centrifugal air recirculation fans with external motors. With this design none of the hot fan components are in any way exposed to colder air. Not only does this design offer a clean and smooth appearance to the Oven, but also heat losses from the Fans are virtually eliminated. Furthermore, a fully insulated heater box prevents radiated heat from being projected into the Oven in any uncontrolled manner.

Door Safety System

Airflow Box Ovens incorporate an internal safety door handle to prevent operator entrapment. .

Cool Exterior Surfaces

Care has been taken in construction of Airflow Ovens to minimise heat transfer through the walls and doors.

Electronic Over Temperature Protection

As a totally independent module to the master oven control system, Airflow Ovens also incorporate a thermal sensor mounted within the air heater box, this sensor is connected to an independent electronic temperature controller mounted inside the control panel. In the unlikely event that the heater box temperature should exceed the Oven's design parameters, the heaters are shut down and the Oven automatically shuts down.

All Insulated Galvanised Steel Construction

To ensure a very long service life the oven panel work is made up from high grade galvanised steel with high density mineral wool slab insulation filling. This is of 100mm thickness



Home > Ovens & FurnacesIndustrial Ovens >

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Fume Exhaust System

Airflow Ovens incorporate a powerful and positive, fan assisted, fume exhaust duct system. The exhaust system never relies merely on convection evaporation and it can be adjusted to suit different applications.

Feature Check list:

- Digital temperature controller
- Accurate and stable heat control
- All pinned construction – easily modified or moved
- Galvanised Steel construction.
- High density mineral wool insulation
- Fully insulated heater chambers and fans
- Internal door release
- Safe and adaptable control systems
- Electronic over temperature protection device (removed)
- External mounted fabricated steel doors
- Full compliance with safety and environmental legislature

** Overall height including motor - 3182mm **

View Airflow Group 4m x 2m x 2m Electric 250°C Oven (No.1) on our web site at <https://www.rileysurfaceworld.co.uk/machines/30915.htm>

PHOTOGRAPHS TAKEN PRIOR TO REFURBISHMENT.