Cooperheat 1100°C Electric Kiln Furnace



Stock No	OF2697
Manufacturer	Cooperheat
Model	Electric Kiln Furnace
Condition	From a working environment, Good Condition
Internal Size (WxDxH mm)	780 x 1100 x 1000
Max Temp	1100°C
Location	Our Central Warehouse, Aldridge, UK
External Dimensions (WxDxH mm)	1980 x 1500 x 2100

Description

The Cooperheat electric kiln furnace is designed for efficient, consistent heat treatment, featuring multi-sided spiral heating elements and forced air circulation to deliver excellent temperature uniformity. Its firebrick lined chamber, safety interlocked access door and comprehensive control system provide reliable operation with precise temperature control and monitoring.

The Cooperheat Electric kiln furnace design uses an arrangement of spiral heater elements located on all four sides of the heating chamber and provides the best possible control of heat transfer, temperature uniformity, and fuel efficiency.

The hot face of the furnace is Fire Brick Lined and access is gained through the singular front door. The door fitted with a heater interlock and safety bolt for when the door is raised.

A powered Inconel air circulation fan is located in the roof of the furnace to ensure temperature uniformity at lower temperature levels
Heating is supplied through a twin bank of Incoloy sheathed elements distributed evenly along both sides of the chamber.

The firing of the furnace is made by using Multi Leg Spiral Elements mounted on ceramic support tubes which will be in four sides of the furnace.

The instruments and controls are housed in a control panel and is fixed to a stand off bracket for ease of use. Control panel consists of furnace controllers, over-temperature controller, and indicators. Also housed in the panel will be Contactors, Main switch fuse, Control relays etc

Electric Heating

- Set spiral elements mounted on ceramic support tubes for sidewalls
- Self-contained, fully assembled control panel containing the following main equipment
- Temperature controller
- Over-Temperature controller
- Set of pushbuttons and indicators
- Set of fuses

Specification and Features

- Electric-fired furnace with an oxidising atmosphere
- Excellent temperature uniformity for consistent heat treatment
- Door interlock for enhanced operator safety
- Top vent for controlled ventilation
- Internal dimensions: 780 × 1,100 × 1,000mm
- External dimensions: 1,980 × 1,500 × 2,110mm
- Honeywell Furnace Programmer for process control
- Honeywell UDC1200 Top Zone Controller
- Honeywell UDC1200 Bottom Zone Controller
- Eurotherm P116 Over-Temperature Controller
- Eurotherm 6100A Paperless Chart Recorder for process monitoring and recording

Photographs taken prior refurbishment. Our refurbishment service is not available on all machines.