Cooperheat 1000°C Front Loading Kiln Furnace



Stock No	OF2696
Manufacturer	Cooperheat
Model	Single Zone Kiln Furnace
Year of Manufacture	2004
Serial	SF5664/A
Condition	From a working environment, Excellent Condition
Internal Size (WxDxH mm)	800 x 600 x 800
Max Temp	1000°C
Other Info	12.75 kW
Location	Our Central Warehouse, Aldridge, UK
External Dimensions (WxDxH mm)	1180 x 1100 x 1650

Description

This Cooperheat front loading kiln furnace uses an arrangement of spiral heater elements located on either side and rear of the heating chamber and provides the best possible control of heat transfer, temperature uniformity, and fuel efficiency for temperature up to 1000°C.

The furnace hot face is fully lined with firebrick for thermal performance and durability. Access is provided through a single, electrically powered, vertically opening counterbalanced door, secured by a quick-release locking clamp. The door incorporates a heater interlock and safety bolt for additional operator protection when raised.

Temperature uniformity is supported by a powered Inconel air circulation fan mounted in the furnace roof, particularly at lower operating temperatures. Heating is provided by twin banks of evenly distributed Incoloy-sheathed elements positioned along both sides of the chamber.

Firing is achieved using multi-leg spiral elements mounted on ceramic support tubes, positioned along the sides and rear of the furnace for even heat distribution.

The instruments and controls are housed within a dedicated control panel mounted on a stand-off bracket for convenient operator access. The panel incorporates furnace and over-temperature controllers, indicator lights, contactors, main switch fuse and control relays.

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

Furnace Specification

- **Maximum Operating** - 1050°C
- **Door interlock**
- **Atmosphere** - Oxidising
- **Quick release door locking system**
- **Power** - Electric
- **Excellent Temperature Uniformity**
- **Power rating:** 12.75 kW
- **Maximum charge weight:** 500kg max
- **Dimensions internal:** 800 x 600 x 800mm
- **Dimensions external:** 1180 x 1100 x 1650mm

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