FOUNDRY & WELDING OVENS

Electrode Holding and Testing Oven

Electric ovens to hold low-hydrogen electrodes dry, re-dry exposed stock and re-bake test samples, plus portable ovens.



TEMPERATURE
Up to 400°C (holding typically 120–150°C)

HEATING
Electric

INDUSTRIES
Welding electrode manufacturing, fabrication, power and process plants, pipelines

Specifications

Effective chamber	about 1,000 × 1,050 × 1,125 mm (custom sizes available)
Operating range	100°C to 400°C, 1°C resolution
Typical holding	about 120–150°C for low-hydrogen electrodes
Heating load	about 21 kW, 415 V 3-phase
Heat-up	ambient to 400°C in about 1 hour
Trays	24 (to suit electrode length)
Air circulation	1 fan, 2 HP
Insulation	200 mm ceramic fibre and rock wool; outer wall within about 25°C of ambient
Safety	fan-heater-door interlock
Portable oven	5 kg, up to 250°C, 230 V single phase

Features

- Holds electrodes at the temperature on the electrode datasheet
- Re-dry and hold in one oven
- Programmable time-temperature controller
- Door interlock cuts heaters and fan
- Heaters sealed in SS-304 casing
- Cool outer wall from 200 mm insulation
- Delivered ready to use
- Portable 5 kg ovens for welders on site

Applications

- Holding low-hydrogen electrodes before issue to welders
- Re-drying electrodes exposed to humid air
- Sample re-baking and moisture testing in electrode plants
- Quality labs of fabrication companies
- Site welding of pipelines, boilers and structures
- Storage of flux and welding consumables