

Crucible heating station

with gas burner for aluminium transport crucibles



Description

This machine is used to heat transport crucibles for liquid aluminium with a capacity of 5-15 t. The gas burner is pneumatically lowered onto the crucible, the control system of the machine then adjusts the pre-set crucible temperature automatically. It is also possible to run individual heating curves. In that case a thermostatic control installed in the lining is used to monitor the temperature

Technical data

- Dimensions l x w x h: 3.6 x 2.2 m x 3.4 m (incl. transport crucible)
- Burner output min./max.: 40 kW / 360 kW (optional recuperative burner)
- Heating speed : max. 10 degrees per hour (maintaining temperature)
- Electric connection load : 7 kW
- Control system: Siemens S7-300 with touch panel

Characteristics

- Energy efficient burner technology for different heating media (natural gas or propane gas burner, recuperative burner on demand)
- Tried and tested solid design of the mechanic system with integrated gas/air control lines
- System control by means of PLC
- Operation via operating panel
- DVGW certified technology
- Continuous burner adjustment
- Optional programmes for pre-heating and holding the temperature
- Programme controlled drying of crucibles through definable heating curves
- Optimal recording of consumption and measurement data in a central database