Immersion heater
for filled aluminium transport crucibles

Description

The system is used for heating and holding the temperature of liquid aluminium in transport crucibles. The immersion pipe is heated by means of a gas burner. It then immerses in the aluminium melt and holds it automatically at the pre-set temperature. The gas flame does not directly contact the aluminium melt.

Technical data

- Dimensions l x w x h: 3.8 x 4.7 m x 6.5 m (incl. transport crucible)
- Burner output: 80 kW recuperative burner
- Heating speed: 12 °C / hour with full transport crucible
- Natural gas consumption: approx. 6 Nm³/h natural gas (average time)
- Electric connection load: approx. 5 kW

Characteristics

- Reliable heating and holding the temperature of liquid aluminium
- High efficiency
- Low energy consumption due to recuperative burner
- Simple and safe operation due to automated processes
- Heating and holding the temperature of the melt in automatic mode
- Uniform temperature distribution in the crucible
- Overall system control by means of S7-300 with Touch-Panel