

# 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

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|-----------------------------|--|
| • 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