



## Immersion Heater

A better solution to keep the aluminium melt hot

Heating with ceramic protected immersion heaters has shown to be one of the best methods to heat and maintain the temperature of molten aluminium. The THERMOCOAX immersion heater's design gathers all the technical properties needed for the harsh environment of the foundry, whilst offering numerous technical and economical advantages within a diverse range of applications.

### Aluminium melt heating

- Outstanding thermal efficiency thanks to the excellent thermal dissipation
- Low power consumption and fast heating rates - reduce losses
- Very precise regulation
- Excellent temperature uniformity
- No overheating of the melt

The THERMOCOAX heating element is protected by a ceramic sleeve:

- The aluminium does not adhere to the sleeve
- Very good resistance to the aluminium
- Excellent thermal conductivity
- Insensitive against thermal shocks
- Cost effectiveness due to long service life: new heater can be mounted several times in the same ceramic sleeve

### Other advantages

- Possibility to heat the empty furnace
- Specific design for low pressure furnaces
- Mounting in standard refractory and crucible furnaces
- Safe handling thanks to the electrical and mechanical strength of the assembly
- Fast mounting / dismantle without emptying the furnace
- Steady melt temperature during the casting process

### Applications field

- Crucible furnaces
- Low pressure furnaces
- Refractory furnaces
- Bale-out-furnace
- Transfer ladle
- Impeller / Degassing stations
- Holding furnaces





## Immersion heater

### Technical properties



- Power ranging from 4.5 to 11 kW
- Temperature regulation with internal THERMOCOAX thermocouple
- Heated length: variable
- Protective sleeve: length variable - Ø 50 mm
- Electrical connection through reliable connector
- Other types and powers on request

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