

Impeller station

For transport crucibles for liquid aluminium



Description

The impeller is used for the final treatment of a container filled with liquid aluminium, to bring impurities and inclusions in the melt to the surface by adding argon, nitrogen or a chlorine-gas-mixture and to reduce the dissolved hydrogen at the same time. According to the customer's needs the machine can be designed for rotation or for longitudinal or cross-wise transport of one or several crucibles.

Technical data

- Crucible size: capacity 4-6 t
- Melt temperature: 760 °C-800 °C
- Rotor: 4 chamber graphite rotor \varnothing 190 mm x 80 mm
- Control: Siemens S7-300

Characteristics

- Adjustable gas flow
- Splitting of the gas flow into very fine bubbles
- Uniform distribution of the rinsing gas in the melt
- Perfect mixing of the complete melt
- Reduction of hydrogen in the melt
- Treatment time to be programmed