

Tilting melting and holding furnaces

Series WHO



Description

This furnace type is used for refining and casting aluminium melts in casting machines and transport crucibles. Bath treatment is carried out either by means of stirring gas lances or by porous plugs.

Technical data

- Capacity: 10-50 t liquid aluminium
- Melting capacity: 1-5 t/hour
- Bath depth of: up to 1,200 mm
- Door: hydraulically displaceable charging door to be opened all over the width of the furnace.
- Burner: regenerative burner pairs up to 4,5 MW output per burner
- Furnace weighing: measuring accuracy 100 kg

Characteristics

- Hydraulically operated charging and cleaning doors over the complete furnace width. Optimal door insulation by means of flanged cast plates.
- Effective regenerative burner pairs ensure CO₂ reduction. To save space flue and exhaust gas fans, fittings and control lines are installed on the furnace roof.
- Electrically adjustable exhaust gas valves ensure constant furnace pressure.
- High-quality refractory lining guarantee long working life and low maintenance costs.
- Melt cleaning by means of hydraulically immersing graphite lances or porous plugs.
- Compact design with self-supporting roof construction.
- Easy cleaning at alloy change.
- Remote maintenance module integrated into the control system.
- Optional: interface to company network for recording consumption data.

