MELTING FURNACES

Crucible Melting Furnace

Furnace for melting aluminium, lead and zinc in a crucible.



TEMPERATURE
Up to about 800°C (aluminium)

HEATING
Gas (LPG/PNG/CNG) or electric

INDUSTRIES
Foundries, die casting

Specifications

Capacity	100 to 1,000 kg per charge (500 kg most common)
Maximum temperature	up to about 800°C (aluminium)
Type	bale-out or tilting
Heating	LPG/PNG/CNG burner or electric
Burner	self-proportioning, 7.5 HP air blower (500 kg)
Shell	6 mm plates with steel reinforcement
Lining	115 mm 60% high-alumina fire brick, 230 mm insulation brick, 6 mm ceramic paper
Alternative lining	200 mm ceramic fibre
Crucible and top ring	to customer choice

Features

- Metal kept away from flame and flue gas
- Bale-out or tilting designs
- High-efficiency self-proportioning burner
- Durable high-alumina brick lining
- Choice of LPG, PNG, CNG or electric heating
- Dross recovery systems available

Applications

- Aluminium gravity and pressure die casting
- Zinc die casting
- Lead and tin alloy melting
- Small foundries and tool rooms
- Holding metal beside casting machines