

Copper Boat



Description

- For controlled, inductive melting and alloying in high vacuum or argon gas atmosphere
- Water-cooled copper tube with moulds for max. 20 g, encapsulated in a quartz tube so as to be vacuum tight
- Optimized homogenization of metals with low or different melting points
- Induction coil with linear guide across the sample for intensive mixing
- Fast pump-down times
- Compact system in a moveable rack with built-in generator, turbomolecular pump and high vacuum gauge
- Safety hood, safety switch for generator, cooling water flow control

Details

Quantity: max. 20 g
Temperature range: up to 1800°C
Vacuum: $<10^{-2}$ - 10^{-5} mbar
Generator power: 12 KW required