

MAM-1 Glovebox Version



Description

For oxygen-sensitive samples to be handled and alloyed in inert gas atmosphere

- Melting chamber and movable electrode inside of glovebox
- Generator, vacuum pump and operating panel at the outside
- Designed for melting samples of approx. 5-20 g up to 3500°C, sufficient for most laboratory purposes
- Small melting chamber ensures fast evacuation and low gas consumption
- Freely movable, water-cooled electrode
- Dismountable, water-cooled copper crucible plate with trough-shaped moulds

- Crucible plates with customized moulds on request
- Reliable, contactless ignition of the arc
- Powerful arc melting generator, in a separate housing
- Pressure manometer and valves for evacuation and gas inlet into the arc melting chamber
- Small roughing pump or turbomolecular pumping system (stand-alone unit) for evacuation of the melting chamber
- Safety functions:
Protection against overtemperature, eye protection.
- Connection : 230 V / 50/60 Hz / 1-phase

Details

- Quantity:** 5 - 20 g per charge
- Temperature:** up to 3500°C, depending on quantity
- Generator:** outside of glovebox
- Connection:** 230 V / 50/60 Hz (different voltage on request)
- Crucible plate:** standard crucible plate or customized crucible plates
- Options:** Special cold crucible (suction casting), Vacuum pump, Turbomolecular pumping system HVT52/G, High vacuum gauge, Water flow control, Recirculating chiller