Compact Arc Melter MAM-1

Description

• 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, integrated in the housing
• Pressure manometer and valves for evacuation and gas inlet into the arc melting chamber

• Small roughing pump (can be built in) or turbomolecular pumping system (stand-alone unit) for evacuation of the melting chamber

• Safety functions:
  Protection against over-temperature,
  eye protection

• Dimensions: (w x d x h): 430 x 650 x 750 mm

• Connection: 230 V / 50/60 Hz / 1-phase

Details

Quantity: 5 – 20 g per charge
Temperature: up to 3500°C, depending on quantity
Generator: built in
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