High temperature vacuum brazing furnace

Model: RHVB-101013

Technical Proposal

1. Main structure and performance characteristics of the equipment

RHVB-101013 vacuum brazing furnace consists of vacuum system, furnace shell, heating chamber, control system, cooling system, water cooling system, charging and discharging system, pneumatic system, temperature measuring system and feeding mechanism.

2. Main technical performance

Type: Horizontal, single room

Maximum load size (W × H × L mm): 1000 × 1000 × 1300

* This photo only for reference, the real furnace maybe not 100% similar

Website: www.vacfurnace.com
Maximum load weight: 800kg
Application: Suitable for copper-based, nickel-based brazing and heat treatment (quenching, tempering, annealing) of stainless steel and high-temperature alloy parts.

3. Feed
Power supply: Three-phase 380V (±6%); 50Hz
Grounded: Yes
Installed power: 460kW

4. Cooling water
Cooling water temperature requirements: Inlet pressure 0.1 ~ 0.3MPa; temperature ≤ 35 °C; PH value is about 7; water is soft water without sediment and impurities. Cooling water flow 40T / h.

5. Insulation
Insulation material type 2 layers of molybdenum sheet + 4 layer of stainless steel sheet

6. Temperature and tolerance
Maximum design temperature: 1250 °C
Working temperature: 1200 °C
Heating chamber temperature uniformity: ±5 °C, 9 points, 1000 degrees after heat preservation
Temperature control element: PLC
Temperature measurement type: 3 s type

7. Heating method
Heating zones: 1
Heating element: Molybdenum-niobium alloy
Heating power: 400kW
Heating chamber shape: Circular heating chamber