

## High temperature vacuum brazing furnace

Model: RHVB-101013

### Technical Proposal



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

#### 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

Website:[www.vacfurnace.com](http://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 ( $\pm 6\%$ ); 50Hz

Grounded : Yes

Installed power : 460kW

### **4.Cooling water**

Cooling water temperature requirements: Inlet pressure 0.1 ~ 0.3MPa; temperature  $\leq 35^\circ\text{C}$ ; 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 :  $1250^\circ\text{C}$

Working temperature :  $1200^\circ\text{C}$

Heating chamber temperature uniformity :  $\pm 5^\circ\text{C}$ , 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