

## 1200°C Rapid Heating Furnace



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- Brand:TOB NEW ENERGY
- Item No.:TOB-DSP-1200°C-RTP
- Order(Moq):1set
- Payment:L/C,T/T,Western Union, Paypal
- Product Origin:China
- Shipping Port:XIAMEN
- Lead Time:7days

## Product Detail

### 1200°C Rapid heating furnace

## SPECIFICATIONS

### Main advantage

1. Software System: The furnace is equipped with communication interfaces and software, you can directly control the various parameters of the furnace through the computer, and the computer was observed from the operation of the oven temperature PV and SV value and the instrument, the actual oven temperature curve computer plotted in real time, and each time the temperature data can be saved, can be retrieved at any time. (Optional)
2. The sealing system: pull button locking flange use, convenient, with silicone O-ring seal between the flange and squeeze the quartz tube, can be repeated withdraw unloading, air tightness, pressure gauge pointer can guarantee 12 hours not deflected, vacuum up 10<sup>-1</sup>Pa.
3. Vacuum system (optional): VRD-16 can be pumped to a vacuum pump or can be pumped 10<sup>-4</sup>Pa 10<sup>-1</sup>Pa molecular pump.
4. Furnace material: furnace materials imported from Japan, can not afford to powder, good thermal insulation properties, high reflectivity, temperature field balance, heat up the strong shrink capacity.
5. Heating element: Using rapid heating lamp.
6. leakage protection: The furnace installed air switch leakage when the furnace drain off automatically, in order to ensure safety of use.

Model	TOB-DSP-1200 °C-RTP rapid heating furnace
Power	24KW
Reaction chamber size	Dia180X200mm
Voltage	380V
Phase	3-phase
Heating element	Rapid heating pipe
Temperature control mode	Yudian temperature control 30 sections can only use PID temperature regulation. FP93 temperature control (from Japan) (Replace imported instruments, for an additional fee) 1,40 section program temperature control can be divided into 4,2, group program, if the program is divided into four groups, each program segment 10, 2,6 group PID control, low, medium and high temperature can each with a set of PID, such that each segment is capable of controlling the temperature is very accurate.

Temperature control accuracy	+/- 1 °C
Temperature Repeatability	+/- 1 °C
Temperature measurement accuracy	+/- 0.2 °C
Temperature field balance	+/- 2 °C
Temperature status process time	2-100 (100-1050 °C)
Trigger	Three-phase phase-shift trigger soft start
SCR	106 / 16E Germany Semikron
Max temperature	1200 °C
Rated temperature	1100 °C
Stable operating temperature	100-1000 °C
The fastest heating rate	300 °C / S
Cooling rate	1~300, can be used to open or remove the tube furnace cooling started simultaneously cooling gas flow meter control valve controlled cooling.
Thermocouple Type	S-type
Heating length	350mm
Vacuum degree	<p>1.General vacuum and drive gas out by:TW-1.5A</p> <p>2.2XZ-2 Vacuum degree pumps can be able to get around 10Pa</p> <p>3.TOB-DSP-VS 0.1vacuum system can pumped 0.1Pa (and equipped with a resistive vacuum gauge display)</p> <p>4、 TOB-DSP-VS high vacuum system (which is composed of molecules and mechanical pump) enables vacuum degree pumped 10-3 Pa.</p>
Surrounding surface temperature	≤45°C

Security System	With the furnace air switch and fuse, when the current exceeds the rated current  of open space, meeting space automatically jump open, effective protection  electric stove.
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