



# STZ-8-12

## 1200°C Vacuum Chamber Furnace

### Main Features

- > Integrated stand Structure with vacuum system and gas supply system
- > Chamber Materials: Vacuum forming ceramic fiber with good temperature insulating effect and energy-saving.
- > SHIMADEN (Japan) Microprocessor based self-tuning PID control provides optimum thermal.
- > Long life type N thermocouple.
- > Built-in RS485 port and USB adaptor as optional setting for computer control. it need to add extra fees.
- > Vacuum pump : Generally molecular pump, diffusion pump, roots pump, mechanical pump can be chosen to meet various vacuum degree level requirements.
- > The furnace shell equipped gas intake valve, gas exhaust valve, and a vacuum port can through argon, nitrogen and other gases.



- 01 Outer Steel Door
- 02 O-shape Sealing Rubber Ring
- 03 Inner Insulation Door
- 04 HRE Resistance Wire
- 05 N type Thermocouple
- 06 Gas Flow Meter
- 07 Shimaden Temperature Controller
- 08 Gas Outlet
- 09 Vacuum Pump Inlet
- 10 Gas Inlet
- 11 Sound-light Alarm
- 12 Operating Buttons



### Technical Parameters

| Model                     | STZ-3-12  | STZ-6-12    | STZ-8-12    | STZ-12-12   | STZ-18-12   | STZ-30-12   | OEM      |
|---------------------------|---|-------------|-------------|-------------|-------------|-------------|----------|
| Inner Dimension (WxDxH)mm | 150x150x150   | 180x230x150 | 200x200x200 | 200x300x200 | 250x300x250 | 300x500x200 | Any size |
| Type                      |   |             |             | Stand Type  |             |             |          |
| Furnace Structure         | Alumina Ceramic Chamber, Temperature control system, Heating element, Round Furnace shell ,Main Electric Parts and other relative accessories |             |             |             |             |             |          |
| Max Temperature           | 1200°C  |             |             |             |             |             |          |
| Continue Temp.            | 1100°C  |             |             |             |             |             |          |
| Power Supply              | 220V/2.5KW  | 220V/3KW    | 220V/5KW    | 220V/4KW    | 220V/6KW    | 380V/7.5KW  |          |
| Heating Element           | High quality alloy resistance wire (HRE)  |             |             |             |             |             |          |
| Vacuum Degree             | as per requested  |             |             |             |             |             |          |
| Chamber Material          | High temperature polycrystal alumina ceramic fiber plate  |             |             |             |             |             |          |
| Temp Precision            | ±1°C  |             |             |             |             |             |          |
| Thermocouple              | N type  |             |             |             |             |             |          |
| Temp Controller           | SHIMADEN (Japan) brand intelligent microcomputer PID controller can program 4 groups 32 segments  |             |             |             |             |             |          |
| Electronic Parts          | SCHNEIDER (France ) electronics brand   |             |             |             |             |             |          |
| Heating Rate              | ≤ 25°C/min ( suggest 15-20°C/min for longer life using of furnace )   |             |             |             |             |             |          |
| Safety Protection         | Overheat and Thermocouple-break Alarm   |             |             |             |             |             |          |
| Certification             | ISO9001 /CE/ SGS  |             |             |             |             |             |          |
| Furnace Shell             | High quality cold-rolled round steel sheets CNC processing with good sealing effect   |             |             |             |             |             |          |
| Insulation                | High quality thermal insulation material to ensure a good uniformity  |             |             |             |             |             |          |
| Accessories               | One pair of high temperature gloves, One pair of crucible tong, one catalog and operation manual  |             |             |             |             |             |          |
| Optional                  | Paperless recorder, Gas supply system, Vacuum system, Digital vacuum gauge  |             |             |             |             |             |          |