

Compact RTP Tube Furnace

with
4" Quartz Tube & Vacuum Flange up to 1100C and Control Software



Specification

- **Furnace structure:** Double layer steel case with mullite liner without air/water cooling
- **Heating element:** 8 pcs Halogen light tube (D=10 L=300 T =200, mm)
- **Heating zone:** 12" length with 4" constant temperature zone within +/-1°C uniformity
- **Quartz Tube size:** 4.33" O.D x 4.05" I.D x 15" Length
- **Vacuum Flange:** Made of stainless steel with double hi-temp. silicone O-ring, ball valves and water cooling jacket
 - only require water cooling in long time running at > 900°C
 - Circulating water rate: 0.5 m³ /hr
- **Vacuum pressure:** Depended on [vacuum pump](#) pressure limit (pump not included)
- **Vacuum gauge (optional):** CE certified [vacuum gauge](#) with a measurement range from 10 mtorr~1000 torr.
- **Flow meter (optional):** [Compact Direct Read Flow Meter](#), 6-60/100 cc/min. with 1/4 NPT male fitting
- **Temperature control:** PID automatic control via [SCR \(Silicon Controlled Rectifier\)](#) power control, e.g. current limiting phase angle fired the resistor.
 - 30 segments programmable precision controller with auto tune function
 - Built in protection from overheated and broken thermal couple
 - Temperature control accuracy: +/- 0.5°C
 - Built in RS485 port for PC control
 - Software is included (Window XP English version required, computer is not included, but 9" screen laptop with operation software installed is available as option at \$600 extra cost)
- **Max. Heating Rate:** 50 °C/sec recommended and 120°C/sec. for short time
- **Working Temperature:** 1100 °C Max.
- **Power Input:** 208-240 AC, 50/60 Hz single phase, 9 KW Max.(> 60A breaker required)
- **Dimension:** 760 X 330 X 530 mm (30"W x 13"L x 21" H)
- **Net weight:** 45 kg (100 lbs)
- **Warranty:** One year limited (not including halogen light)

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