

1500°C Crucible Furnace

Our 1500°C Crucible Furnace is designed for easy maintenance and convenient operation. The efficient design allows for dependability and durability. Insulation aids in heating uniformity for precise, uniform temperature control which is required for today's high-temperature processes. This unit automatically sets the PID values for your thermal process.



Features

- Vertical, single-ended silicon carbide heating elements
- High-temperature grade insulation
- Tight-fitting insulating vestibule plug
- Platinum/ Platinum 13% rhodium thermocouple lead wire and plug
- Self-tuning temperature controller
- Programmable heat-up to setpoint temperature

- Programmable heat-up and setpoint temperature
- Indicates setpoint and process temperatures simultaneously
- Temperature - 1500°C (2732°F) maximum
- Crucible Sizes
 - From - 5"(Top Vestibule ID) x 8"(Heated Depth)
 - To - 12"(Top Vestibule ID) x 18"(Heated Depth)

Options

- Pots
- Inert atmosphere retorts
- Combustible gas safety system

Control Console Options

- Programmable control (Option P)
 - Offers flexibility of ramping to multiple setpoint levels and holding for variable time periods at those levels
- Excess temperature protection (Option B)
 - Provides positive protection of both furnace and load in the event of failure in the primary control circuit.
 - Redundant circuit includes separate analog setting instrument with manual reset pushbutton, magnetic contractor and independent thermocouple.
- Digital communication kits (Option COM)
 - Allow modification and interrogation of all instrument control and configuration parameters from a remote computer.
 - Ethernet communications available
- Computer communications software

Model	Top Vestibule ID inches (cm)	Heated Depth inches (cm)	Wattage	Overall Dim. inches (cm)	Use w/ Control Type	Shipping Weight lbs.
56623	5 (12.7)	8 (20.3)	6,140	30x33x33 (76.2x83.8x83.8)	58125	650
56953	9 (22.9)	12 (30)	6,800	33x35x35 (83.8x 88.9x88.9)	58125	700
56253	12 (30)	12 (30)	12,000	34x38x38 (86.4x96.5x96.5)	58155	710
56283	12 (30)	18 (45.7)	14,800	38x39x39 (96.5x99x99)	58155	800

Requires separate Lindberg/MPH control console listed below

1500°C Crucible Controller Models	Preset TC Input	Preset Control Range	Maximum Current	Voltage	Hertz	Overall Size HxWxD in inches (cm)	Shipping Weight lbs.
58125	Type R	1-1500°C	60 Amps	208/240	50/60	10 x 14 x 19 (25.4 x 35.6 x 48.3)	30
58155	Type R	1-1500°C	90 Amps	208/240	50/60	17 x 17 x 21 (43.2 x 43.2 x 53.3)	50

All specifications are subject to change without notice.

