

## 1200°C Crucible Furnace

Easy maintenance and convenient operation is essential in today's workplace. The efficient design of our 1200°C Crucible Furnace allows for dependability and durability. This furnace is compatible with alumina, mullite, quartz, and metallic crucibles. Cover plug with insulation and handle for safe removal. Hearthplate supports load and protects furnace from spillage. Automatically sets the PID values for your thermal process.



### Features

- Heating elements embedded in Moldatherm® insulation
- Platinel® II thermocouple with compensated lead wire and polarized plug
- Ceramic fiber hearthplate
- Programmable heat-up to setpoint temperature
- Fast heat-up and recovery rates, exceptional temperature uniformity and energy efficiency provide for low outer shell temperatures.

- Tight fitting insulating vestibule plug
- Self tuning temperature controller
- Indicates setpoint and process temperatures
- Temperature - 1200°C (2192°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. HxWxD in inches (cm)	Use w/ Control Type	Shipping Weight lbs.
56962	10 (25.4)	14 (35.6)	6,800	28 x 28 x 28 (71.1 x 71.1 x 71.1)	58124	480
56S-1218-1200	12 (30)	18 (45.7)	14,960	29 x 31 x 32 (73.7 x 78.7 x 81.3)	58154	550

All furnaces 208/240VAC, single phase, 50/60Hz.

Requires separate Lindberg/MPH control console listed below

1200°C Crucible Controller Models	Preset TC Input	Preset Control Range	Maximum Current	Voltage	Hertz	Overall Size HxWxD in inches (cm)	Shipping Weight lbs.
58124	Platinel II	1-1200°C	60 Amps	208/240	50/60	10 x 14 x 19 (25.4 x 35.6 x 48.3)	30
58154	Platinel II	1-1200°C	90 Amps	208/240	50/60	17 x 17 x 19 (43.2 x 43.2 x 48.3)	50

All specifications are subject to change without notice.

