Model CF56622C Crucible Furnace.

Applications
- Melting
- Annealing
- Heat Treating

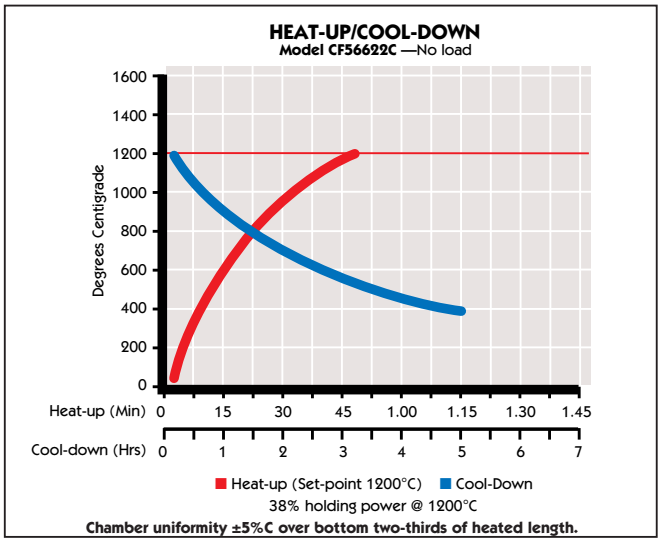
1200°C Crucible Furnace, Top Loading

1200°C Crucible furnaces are ideal for use in ceramics, electronics, glass, metallurgy and superconductor materials research. These models require independent controllers (ordered separately).

Features

- Requires independent controller (ordered separately, see chart)
- Unitized heating and insulation element with helical wire coil embedded in Moldatherm® insulation for maximum heat transfer to the work load
- Cover plug with Moldatherm insulation and handle for safe removal
- Moldatherm insulation protects vestibule, improves energy efficiency
- Platinel®II thermocouple with 10' compensated lead wire and polarized plug for long life and accurate temperature measurement
- Moldatherm ceramic fiber hearthplate supports load and protects furnace from spillage

Model CC58114C Controller



Model CF56622C, Heat-Up/Cool-Down, No Load

Crucible Furnaces, 1200°C, Independent Control, Temperature Range 100°C to 1200°C

Furnace Model No.	Electrical Volts, Hz	Watts	Temp	Controller	Top Opening ID inches (mm)	Chamber Depth inches (mm)	Exterior Dimensions H x F-B x W in" (mm)	Ship Weight lbs (kg)
CF56622C	208/240V, 50/60 Hz	1700	1200°C	CC58114C	5" (127)	8" (203.2)	16" (406.4) x 15" (381) x 15" (381)	52 (24)
CF56822C	208/240V, 50/60 Hz	2600	1200°C	CC58114C	7.5" (190.5)	8" (203.2)	19" (482.6) x 20" (508) x 20" (508)	105(48)

Crucibles: These furnaces are designed for use with a variety of crucibles including alumina, mullite, quartz and metallic. For information on crucibles contact your crucible supplier or call your Lindberg/Blue M sales representative.
Note: Required power cord, hardwiring and interconnecting wiring are not included.

1200°C Digital, Single Setpoint Controller

Control console includes advanced microprocessor-based digital control, a solid-state power module, on/off circuit breaker and thermocouple input jack. Includes microprocessor-based PID control (proportional, integral, derivative), single segment, single setpoint, 1 ramp to setpoint. Built-in adjustable high limit overtemperature protection. Simultaneous LED display of actual temperature vs. setpoint. May be configured to display temperature in either °C or °F.

1200°C Digital Single Program, Multiple Segment Programmable Controller

Control console is fully wired and includes advanced microprocessor-based digital control, a solid-state power module, on/off circuit breaker and thermocouple input jack. Includes microprocessor-based PID control (proportional, integral, derivative), single program with multiple segments for ramp (up and down) and dwell (timed hold) temperature control. See page 35 for more information. Built-in adjustable high limit overtemperature protection. Simultaneous LED display of actual temperature vs. setpoint. May be configured to display temperature in either °C or °F.

Option B Overtemperature Control (OTC)

Adjustable digital overtemperature control, factory installed on selected control consoles with "B" suffix designation; see chart. Protects furnace and load in the event of primary control circuit failure. Overrides main controller and shuts off power to furnace if high limit is reached. Manual re-set required for safety. Operates via magnetic contacts through signal from independent thermocouple.

Optional RS485 Digital Communications Port

RS485 Digital communications port available as an option. Allows controller to be connected to a PC for remote monitoring and control of the furnace. Up to 30 units can be connected to one PC. Please see page 35 for ordering information and additional options.

Controller Model No.	Digital	With Programmer	With Overtemp Control	Electrical Volts, Hz	Maximum Amps	Exterior Dimensions H x F-B x W in" (mm)	Ship Weight lbs (kg)
CC58114C	■			208/240V, 50/60Hz	30	10" (254) x 19" (482.6) x 14" (355.6)	35 (16)
With Programmer							
CC58114PC	■	■		208/240V, 50/60Hz	30	10" (254) x 19" (482.6) x 14" (355.6)	35 (16)
With Overtemp Control							
CC58114BC	■		■	208/240V, 50/60Hz	30	10" (254) x 19" (482.6) x 14" (355.6)	35 (16)
CC58114PBC	■	■	■	208/240V, 50/60Hz	30	10" (254) x 19" (482.6) x 14" (355.6)	40 (19)

Actual performance may vary depending on load, chamber size, sample placement, ambient temperature and environmental conditions.