

Thermo Scientific Lindberg/Blue M 1700 °C box furnaces independent control

Designed for applications which require extremely rapid heat-up rates, with 3500 watt models reaching 1700 °C in as little as 15 minutes

- Available in two popular chamber sizes (see chart)
- Double shell design for lower external cabinet temperature with energy savings
- Moldatherm high temperature ceramic fiber insulation with advanced graded design for fast heat-up and resistance to thermal shock
- Removable panels for easy access to replaceable heating elements and thermocouples
- Moldatherm hearthplate supports load and protects chamber from spills or mishandling
- High volume cooling fans move air between inner and outer chamber to reduce exterior shell temperatures and improve energy efficiency and operator safety

- Long-life type “B” thermocouples with 10’ compensated lead wire and polarized plug for accurate high temperature measurement

Smart heating elements

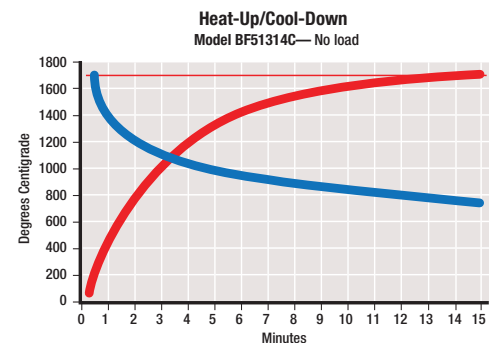
- Molybdenum disilicide elements with unique right angle bend and sidewall mounting reduce maintenance usually associated with element termination and mounting
- Designed for easy replacement without matching resistance values – fast heat-up and recovery with excellent uniformity and energy efficiency
- Increased resistance to thermal shock, ideal for rapid cycling over extended periods

■ Heat-Up ■ Cool-Down
42% holding power @ 1700 °C
Chamber uniformity @1700°C ±3% °C nominal.
Model BF51314C Heat-Up/Cool-Down, No Load.



Applications

- Sintering
- Ashing
- Bonding
- Melting
- Metals and ceramic composites



Cat. No.	Capacity	Temp. Range	Control	Interior (D x W x H)	Exterior (L x W x H)	Electrical	Shipping Weight	Plug Type
BF51314C	2.5 L (0.09 cu. ft)	500° to 1700 °C	Independent, choose from table below	12.7 x 15.2 x 12.7 cm (5 x 6 x 5 in)	40.6 x 40.6 x 35.6 cm (16 x 16 x 14 in)	208/540 V, 50/60 Hz, 3500 W, 14.6 A	39 kg (85 lbs)	No plug, no cable, requires hardwiring
BF51524C	9 L (0.3 cu. ft)	500° to 1700 °C	Independent, choose from table below	25.4 x 21.6 x 16.5 cm (10 x 8.5 x 6.5 in)	49.5 x 49.5 x 40 cm (19.5 x 19.5 x 15.8 in)	208/540 V, 50/60 Hz, 5000 W, 50 A	115 kg (53 lbs)	No plug, no cable, requires hardwiring

Ordering information: Control ordered separately for this product. See below and page 7 for details on controllers.

Cat. No.	Controller	For Use with	Exterior (L x W x H)	Electrical
CC59246PCOMC-1	C, with RS-485 digital communications port	BF51314C	38.1 x 53.3 x 25.4 cm (15 x 21 x 10 in)	208/240 V, 50/60 Hz, 30 A
CC59246PBCOMC-1*	C, OTC with RS-485 digital communications port	BF51314C		
CC59256PCOMC-1	C, with RS-485 digital communications port	BF51524C		
CC59256PBCOMC-1*	C, OTC, with RS-485 digital communications port	BF51524C		

*Please note: Connected furnace requires 2nd thermocouple for OTC (installed when ordered together)

Ordering Information: Required power cord and hardwiring not included