

Thermo Scientific Lindberg/Blue M moldatherm box furnaces

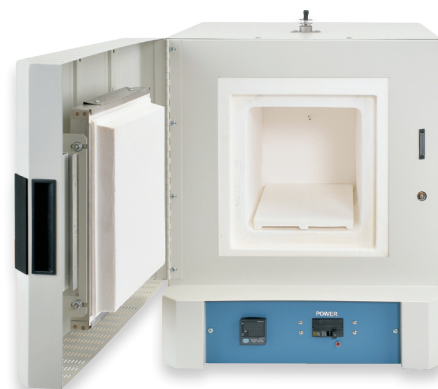
Versatile selection of chamber box furnaces in several popular chamber sizes to meet a variety of demanding industrial and laboratory applications

- Unique insulation and heating element composites minimize outer surface temperatures while maintaining uniform heat distribution within the chamber
- Advanced engineering and specialized construction techniques include variable density insulation, double shell cabinets, long-life heating elements and horizontal side swing doors
- Selectable self-tuning feature sets control parameters for the thermal process
- PID control prevents temperature overshoot
- Main power ON/OFF switch on control panel
- Controlled heat-up rate eliminates thermal shock to materials
- Quick heat-up and cool-down rates

- Adjustable high-limit over-temperature protection
- Simultaneous LED display of actual temperature vs. setpoint (°C or °F)

Advanced construction

- Advanced double wall minimizes exterior surface temperatures for operator safety and energy efficiency
- Side-hinge door for convenient operation and full chamber access
- Long-life Type K thermocouple
- Air vent (1 in. dia., top) and air inlet (0.375 in. dia., rear) for inert atmosphere exchange; (Note: door is not gas-tight)
- Removable and replaceable Moldatherm hearth plate supports load and prevents damage due to spillage



Model BF51794C-1 with standard left hand door

- Energy efficient Moldatherm insulation with embedded heating elements
- Safety door switch to interrupt power to heating element when door is opened; protects heating element and minimizes exposure to end-user

Controller choices, all with over-temperature protection

- A, B temperature control
- See page 7 for control details

Cat. No.	Capacity	Temp. Range	Interior (D x W x H)	Exterior (L x W x H)	Control	Electrical	Shipping Weight	Plug Type
BF51748 A-1	1.99 L (0.07 cu. ft.)	100° to 1100 °C	20.3 x 10.2 x 10.2 cm (4 x 8 x 4 in)	50.8 x 38.1 x 44.4 cm (20 x 15 x 17.5 in)	A/OTP	120 V, 50/60 Hz 1800 W, 15 A	25 kg (55 Lb.)	⏻
BF51748C-1**	1.99 L (0.07 cu. ft.)	100° to 1100 °C	20.3 x 10.2 x 10.2 cm (4 x 8 x 4 in)	50.8 x 38.1 x 44.4 cm (20 x 15 x 17.5 in)	A/OTP	208/240 V, 50/60 Hz 1800 W, 7.5 A	25 kg (55 Lb.)	⏻
BF51848 A-1	1.99 L (0.07 cu. ft.)	100° to 1100 °C	20.3 x 10.2 x 10.2 cm (4 x 8 x 4 in)	50.8 x 38.1 x 44.4 cm (20 x 15 x 17.5 in)	B/OTP	120 V, 50/60 Hz 1800 W, 15 A	25 kg (55 Lb.)	⏻
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BF51848KC-1**	1.99 L (0.07 cu. ft.)	100° to 1100 °C	20.3 x 10.2 x 10.2 cm (4 x 8 x 4 in)	50.8 x 38.1 x 44.4 cm (20 x 15 x 17.5 in)	B/OTP	208/240 V, 50/60 Hz 1800 W, 7.5 A	25 kg (55 Lb.)	⏻
BF51766 A-1	5.3 L (0.19 cu. ft.)	100° to 1100 °C	22.9 x 15.2 x 15.2 cm (9 x 6 x 6 in)	53.3 x 43.1 x 54.6 cm (21 x 17 x 21.5 in)	A/OTP	120 V, 50/60 Hz 1800 W, 15 A	50 kg (110 Lb.)	⏻
BF51766C-1**	5.3 L (0.19 cu. ft.)	100° to 1100 °C	22.9 x 15.2 x 15.2 cm (9 x 6 x 6 in)	53.3 x 43.1 x 54.6 cm (21 x 17 x 21.5 in)	A/OTP	208/240 V, 50/60 Hz 1800 W, 7.5 A	50 kg (110 Lb.)	⏻
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BF51794C-1**	18.4 L (0.65 cu. ft.)	100° to 1100 °C	35.6 x 22.9 x 22.9 cm (14 x 9 x 9 in)	65.4 x 53.3 x 66 cm (25.75 x 21 x 26 in.)	A/OTP	208/240 V, 50/60 Hz 3500 W, 14.6 A	59 kg (130 Lb.)	⏻
BF51894C-1	18.4 L (0.65 cu. ft.)	100° to 1100 °C	35.6 x 22.9 x 22.9 cm (14 x 9 x 9 in)	65.4 x 53.3 x 66 cm (25.75 x 21 x 26 in)	B/OTP	208/240 V, 50/60 Hz 3500 W, 14.6 A	59 kg (130 Lb.)	⏻
BF51728C-1**	42.5 L (1.5 cu. ft.)	100° to 1100 °C	45.7 x 30.5 x 30.5 cm (18 x 12 x 12 in)	76.2 x 60.9 x 71.1 cm (30 x 24 x 28 in)	A/OTP	208/240 V, 50/60 Hz 5600 W, 23.3 A	84 kg (185 Lb.)	No plug, no cable, requires hardwiring
BF51728RHDC-1*	42.5 L (1.5 cu. ft.)	100° to 1100 °C	45.7 x 30.5 x 30.5 cm (18 x 12 x 12 in)	76.2 x 60.9 x 71.1 cm (30 x 24 x 28 in)	A/OTP	208/240 V, 50/60 Hz 5600 W, 23.3 A	84 kg (185 Lb.)	No plug, no cable, requires hardwiring
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To add RS-485 digital communications port to furnace model, add "COM" to model number before last letter in Cat. No. – e.g., BF51748COMA-1

*"RHD" designates right hand door - compared to regular model with left hand door

**No digital communications port option available

Warranty*: 1 year (parts and labor)

Certifications: UL

Electrical plug configurations

High temperature in a furnace requires significant power, often requiring a non-standard electrical connection.

Many of our furnaces offer a choice of electrical configurations. Choose the model that best fits your needs and local circuit requirements.

The list below specifies the plug pictures that correspond to the pictures in the furnace spec tables.

Some furnace models are delivered without a plug. As noted in the specification tables, these models require hardwiring by a technician.	
US plug: Nema 5-15	
US plug: Nema 6-15	
US plug: Nema 5-20	
US plug: Nema 6-20	
EU plug: CEE 7/7	
UK plug: BS1363	
China plug: 10A	
China plug: 16A	
Swiss plug: SEV1011	

Find out more at thermofisher.com/furnaces

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