

Thermo Scientific Lindberg/Blue M 1700 °C box furnaces, large chamber, integral control

Designed for efficient, high-temperature use with minimal maintenance

- Fast heatup to high temperatures, unique door design and control sophistication ranging from solid-state, single setpoint to more versatile microprocessor-based systems with programming and communications options
- Designed for efficient high-temperature use with minimal maintenance
- Choice of single setpoint or programmable control
- Side swing door provides full and easy access to chamber, protects user from heat surge
- Atmosphere port, 0.375 in. diameter, for fresh air or inert gas inlet (located at back wall, bottom; door is not gas-tight)
- Solid-state power module with ammeter, circuit breaker, transformer and front panel indicator lights for “Ready Element” and “Main Power Applied”
- Safety power disconnect switch cuts power to heating elements when door is opened
- Moldatherm high-temperature ceramic fiber insulation with advanced graded design for fast heat-up and resistance to thermal shock
- Moldatherm hearth plate 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 for accurate high-temperature measurement
- Removable panels for easy access to replaceable heating elements and thermocouples

Smart heating elements

- Molybdenum disilicide elements with unique right-angle bend and sidewall mounting reduce maintenance usually associated with element termination and mounting



Applications

- Ashing
- Fusion
- Ignitions
- Alloying
- Sintering
- 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

Control choices

- A, C, choice of over-temperature protection on select models
- See page 7 for details

Cat. No.	Capacity	Temp. Range	Interior (D x W x H)	Exterior (L x W x H)	Controller	Electrical	Shipping Weight	Plug Type
BF51634PC-1	17 L (0.6 cu. ft.)	500° to 1700 °C	26.7 x 27.9 x 22.9 cm (10.5 x 11 x 9 in)	61 x 71.1 x 78.7 cm (24 x 28 x 31 in)	C	208/240 V, 50/60 Hz 5900 W, 23 A	159 kg (350 Lb.)	No plug, no cable, requires hardwiring
BF51634PCOMC-1	17 L (0.6 cu. ft.)	500° to 1700 °C	26.7 x 27.9 x 22.9 cm (10.5 x 11 x 9 in)	61 x 71.1 x 78.7 cm (24 x 28 x 31 in)	C, with RS845 interface	208/240 V, 50/60 Hz 5900 W, 23 A	159 kg (350 Lb.)	No plug, no cable, requires hardwiring
BF51664C-1	25.5 L (0.9 cu. ft.)	500° to 1700 °C	39.4 x 27.9 x 22.9 cm (15.5 x 11 x 9 in)	76.2 x 71.1 x 78.7 cm (30 x 28 x 31 in)	A	208/240 V, 50/60 Hz 7100 W, 30 A	168 kg (370 Lb.)	No plug, no cable, requires hardwiring
BF51664PC-1	25.5 L (0.9 cu. ft.)	500° to 1700 °C	39.4 x 27.9 x 22.9 cm (15.5 x 11 x 9 in)	76.2 x 71.1 x 78.7 cm (30 x 28 x 31 in)	C	208/240 V, 50/60 Hz 7100 W, 30 A	168 kg (370 Lb.)	No plug, no cable, requires hardwiring
BF51664PCOMC-1	25.5 L (0.9 cu. ft.)	500° to 1700 °C	39.4 x 27.9 x 22.9 cm (15.5 x 11 x 9 in)	76.2 x 71.1 x 78.7 cm (30 x 28 x 31 in)	C, with RS845 interface	208/240 V, 50/60 Hz 7100 W, 30 A	168 kg (370 Lb.)	No plug, no cable, requires hardwiring

For OTC specify option B before last letter in Cat. No. when ordering, e.g., BF51634PBC-1, or BF51634PBCOMC-1

Ordering Information: Required power cord and hardwiring not included

Warranty*: 1 year (parts and labor)