

## Thermo Scientific Lindberg/Blue M Multipurpose 1500°C Box Furnaces

### Multipurpose furnaces feature integral control to 1500°C



- Double-wall construction with Moldatherm insulation for rapid heatup and cooldown, energy efficiency and cooler exterior surface temperatures
- Adjustable high-limit over-temperature protection
- Microprocessor-based PID control
- Choice of two controllers: single program with multiple segments for ramp (up and down) and dwell (timed hold) temperature control or multiple program with up to 300 segments
- Optional adjustable digital over-temperature control (OTC) protects furnace and load in the event of primary control circuit failure
- Simultaneous LED display of actual and setpoint temperatures in either °C or °F
- Silicon carbide heating elements for long-life, safety and reliable service with maximum energy savings
- Safety door switch interrupts power to heating elements when door is opened; protects elements and minimizes exposure to operator
- Moldatherm hearthplate (included) supports load and protects interior from spillage and mishandling
- Type "R" thermocouple (included) is integrated into chamber backwall
- 6L models with vertical lift door, 25L models with side swing door

**Ordering information:** Factory-installed Optional RS485 Digital Communications Port 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. Requires Communication Cable # 7043 for First unit and Communication Cable # 7044 for Second and additional units  
Required power cord and hardwiring are not included.  
**Warranty:** 1 year (parts and labor)

### NOT AVAILABLE IN EUROPE

Cat. No.	Capacity	Maximum Temp.	Controller	Interior Dimensions (D x W x H)	Exterior Dimensions (L x W x H)	Electrical
<b>BF51433C-1</b>	6L (0.21 cu. ft.)	1500°C	Multi Seg/1 Prog	30.5 x 15.2 x 12.7cm (12 x 6 x 5in.)	73.7 x 63.5 x 66cm (29 x 25 x 26in.)	208/240V 50/60Hz 6400w
<b>BF51433BC-1</b>	6L (0.21 cu. ft.)	1500°C	Multi Seg/1 Prog/OTC	30.5 x 15.2 x 12.7cm (12 x 6 x 5in.)	73.7 x 63.5 x 66cm (29 x 25 x 26in.)	208/240V 50/60Hz 6400w
<b>BF51433PC-1</b>	6L (0.21 cu. ft.)	1500°C	300 Seg/30 Prog	30.5 x 15.2 x 12.7cm (12 x 6 x 5in.)	73.7 x 63.5 x 66cm (29 x 25 x 26in.)	208/240V 50/60Hz 6400w
<b>BF51433PBC-1</b>	6L (0.21 cu. ft.)	1500°C	300 Seg/30 Prog/OTC	30.5 x 15.2 x 12.7cm (12 x 6 x 5in.)	73.7 x 63.5 x 66cm (29 x 25 x 26in.)	208/240V 50/60Hz 6400w
<b>BF51433COMC-1</b>	6L (0.21 cu. ft.)	1500°C	Multi Seg/1 Prog/RS485 port	30.5 x 15.2 x 12.7cm (12 x 6 x 5in.)	73.7 x 63.5 x 66cm (29 x 25 x 26in.)	208/240V 50/60Hz 6400w
<b>BF51433PBCOMC-1</b>	6L (0.21 cu. ft.)	1500°C	300 Seg/30 Prog/OTC/RS485 port	30.5 x 15.2 x 12.7cm (12 x 6 x 5in.)	73.7 x 63.5 x 66cm (29 x 25 x 26in.)	208/240V 50/60Hz 6400w
<b>BF51643C-1</b>	25L (0.88 cu. ft.)	1500°C	300 Seg/30 Prog	39.4 x 27.9 x 22.9cm (15.5 x 11 x 9in.)	73.7 x 63.5 x 66cm (29 x 25 x 26in.)	208/240V 50/60Hz 14800w
<b>BF51643BC-1</b>	25L (0.88 cu. ft.)	1500°C	300 Seg/30 Prog/OTC	39.4 x 27.9 x 22.9cm (15.5 x 11 x 9in.)	73.7 x 63.5 x 66cm (29 x 25 x 26in.)	1 208/240V 50/60Hz 4800w