



»» Blue M

1100 °C Lab Box Furnace

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Our 1100°C Lab Box Furnaces are available in four popular chamber sizes to meet the most demanding laboratory applications, these furnaces include unique insulation and heating element composites to minimize outer surface temperatures while maintaining uniform heat distribution within the chamber. Our energy efficient design features removable and replaceable Moldatherm® hearth plate and a controlled heat-up rate eliminates thermal shock possibility.



► Features

- Moldatherm® insulation with fully embedded heating element
- Air vent (1" dia., top) and air inlet (.375" dia., rear)
- 120 V and 208/ 240V configurations
- Fuzzy logic super control to suppress temperature overshoot
- Adjustable high limit overtemperature protection (OTP)
- Simultaneous LED display of actual temperature vs. setpoint
- UL, CUL approval pending
- 16 segments, single program with 16 ramps (up and down) or dwells (timed holds)
- Temperature
 - 1100°C (2012°F) Maximum
- Chamber Size
 - 256 Cubic Inches

Model	Integrated Digital Control	Single Phase Electric Power (Volts, Hz)	Watts	Interior Dimensions WxH-BxH in. (cm)	Exterior Dimensions WxH-BxH in. (cm)	Shipping Weight lbs. (kg)
BF51748A	Digital/OTP	120,50/60	1,800	4 x 8 x 4 (10.1 x 20.3 x 10.1)	15 x 20 x 17.5 (38.1 x 50.8 x 44.4)	55 (25)
BF51748C	Digital/OTP	208/240,50/60	1,800	4 x 8 x 4 (10.1 x 20.3 x 10.1)	15 x 20 x 17.5 (38.1 x 50.8 x 44.4)	55 (25)
BF51848A	16 Seg/1 Prog/OTP	120,50/60	1,800	4 x 8 x 4 (10.1 x 20.3 x 10.1)	15 x 20 x 17.5 (38.1 x 50.8 x 44.4)	55 (25)
BF51848C	16 Seg/1 Prog/OTP	208/240,50/60	1,800	4 x 8 x 4 (10.1 x 20.3 x 10.1)	15 x 20 x 17.5 (38.1 x 50.8 x 44.4)	55 (25)
0.1875 Cu.Ft.(5.3 liter) Models						
BF51766A	Digital/OTP	120,50/60	1,800	6 x 9 x 6 (15.2 x 22.8 x 15.2)	17 x 21 x 21.5 (43.1 x 53.3 x 54.6)	100 (50)
BF51766C	Digital/OTP	208/240,50/60	1,800	6 x 9 x 6 (15.2 x 22.8 x 15.2)	17 x 21 x 21.5 (43.1 x 53.3 x 54.6)	100 (50)
BF51866A	16 Seg/1 Prog/OTP	120,50/60	1,800	6 x 9 x 6 (15.2 x 22.8 x 15.2)	17 x 21 x 21.5 (43.1 x 53.3 x 54.6)	100 (50)
BF51866C	16 Seg/1 Prog/OTP	208/240,50/60	1,800	6 x 9 x 6 (15.2 x 22.8 x 15.2)	17 x 21 x 21.5 (43.1 x 53.3 x 54.6)	100 (50)

Model	Integrated Digital Control	Single Phase Electric Power (Volts, Hz)	Watts	Interior Dimensions WxH-BxH in. (cm)	Exterior Dimensions WxH-BxH in. (cm)	Shipping Weight lbs. (kg)
0.65 Cu.Ft.(18.4 liter) Models						
BF51794A	Digital/OTP	208/240,50/60	3,500	9 x 14 x 9 (22.8 x 35.6 x 22.8)	21 x 25.75 x 26 (53.3 x 65.4 x 66)	130 (59)
BF51894C	16 Seg/1 Prog/OTP	208/240,50/60	3,500	9 x 14 x 9 (22.8 x 35.6 x 22.8)	21 x 25.75 x 26 (53.3 x 65.4 x 66)	130 (59)
1.5 Cu.Ft.(42.5 liter) Models						
BF51728C	Digital/OTP	120,50/60	5,600	12 x 18 x 12 (30.5 x 45.7 x 30.5)	24 x 30 x 28 (60.1 x 76.2 x 71.1)	185 (84)
BF51828C	16 Seg/1 Prog/OTP	120,50/60	5,600	12 x 18 x 12 (30.5 x 45.7 x 30.5)	24 x 30 x 28 (60.1 x 76.2 x 71.1)	185 (84)

Note: All models include 10' power cord except 1.5 cu.ft. models which require customer supplied power cord or hard wiring. Contact Blue M for CE Models.

Note: Furnaces utilizing inert gas will exhibit some leaking. Not recommended for low ppm O2 applications.

All specifications are subject to change without notice.

- Options:
- RS-485 computer communications port



Gruenberg, Blue M, Tenney

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Specifications and Product Information are subject to change without notice.

THERMAL PRODUCT SOLUTIONS

»»Blue M »»Gruenberg »»Lindberg/MPH »»Tenney