



**Advanced Test Equipment Rentals**  
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Lab Box Furnaces

### **Blue M 1100°C Lab Box Furnaces**

Blue M Moldatherm® 1100°C box furnaces feature a choice of digital single setpoint or programmable control instrumentation. 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.

#### **► Features**

- Energy efficient Moldatherm® insulation with fully embedded heating element
- Air vent (1" dia., top) and air inlet (.375" dia., rear)
- Removable and replaceable Moldatherm® hearth plate
- Available in 120V and 208/240V configuration
- Digital, Single Setpoint Controller (BF51700 Series Furnaces)
- Fuzzy logic super control suppresses temperature overshoot
- Adjustable high limit overtemperature protection (OTP)
- Simultaneous LED display of actual temperature vs. setpoint
- UL, CUL approval pending
- Digital 16 Segment Programmable Controller (BF51800 Series Furnaces)
- 16 segments, single program with 16 ramps (up and down) or dwells (timed holds)
- Controlled heat-up rate eliminates thermal shock to material



Model	Integrated Digital Control	Single Phase Electric Power (Volts, Hz)	Watts	Interior Dimensions WxF-BxH in. (cm)	Exterior Dimensions WxF-BxH in. (cm)	Shipping Weight lbs. (kg)
BF51748A	Digital/OTP	120,50/60	1,800	4x8x4 (10.1x20.3x10.1)	15x20x17.5 (38.1x50.8x44.4)	55 (25)
BF51748C	Digital/OTP	208/240,50/60	1,800	4x8x4 (10.1x20.3x10.1)	15x20x17.5 (38.1x50.8x44.4)	55 (25)
BF51848A	16 Seg/1 Prog/OTP	120,50/60	1,800	4x8x4 (10.1x20.3x10.1)	15x20x17.5 (38.1x50.8x44.4)	55 (25)
BF51848C	16 Seg/1 Prog/OTP	208/240,50/60	1,800	4x8x4 (10.1x20.3x10.1)	15x20x17.5 (38.1x50.8x44.4)	55 (25)
0.1875 Cu.Ft.(5.3 liter) Models						
BF51766A	Digital/OTP	120,50/60	1,800	6x9x6 (15.2x22.8x15.2)	17x21x21.5 (43.1x53.3x54.6)	110 (50)
BF51766C	Digital/OTP	208/240,50/60	1,800	6x9x6 (15.2x22.8x15.2)	17x21x21.5 (43.1x53.3x54.6)	110 (50)
BF51866A	16 Seg/1 Prog/OTP	120,50/60	1,800	6x9x6 (15.2x22.8x15.2)	17x21x21.5 (43.1x53.3x54.6)	110 (50)
BF51866C	16 Seg/1 Prog/OTP	208/240,50/60	1,800	6x9x6 (15.2x22.8x15.2)	17x21x21.5 (43.1x53.3x54.6)	110 (50)

- Options
- RS-485 computer communications port

Model	Integrated Digital Control	Single Phase Electric Power (Volts, Hz)	Watts	Interior Dimensions WxF-BxH in. (cm)	Exterior Dimensions WxF-BxH in. (cm)	Shipping Weight lbs. (kg)
0.65 Cu.Ft.(18.4 liter) Models						
BF51794A	Digital/OTP	208/240,50/60	3,500	9x14x9 (22.8x35.6x22.8)	21x25.75x26 (53.3x65.4x66)	130 (59)
BF51894C	16 Seg/1 Prog/OTP	208/240,50/60	3,500	9x14x9 (22.8x35.6x22.8)	21x25.75x26 (53.3x65.4x66)	130 (59)
1.5 Cu.Ft.(42.5 liter) Models						
BF51728C	Digital/OTP	208/240,50/60	5,600	12x18x12 (30.5x45.7x30.5)	24x30x28 (60.1x76.2x71.1)	185 (84)
BF51828C	16 Seg/1 Prog/OTP	208/240,50/60	5,600	12x18x12 (30.5x45.7x30.5)	24x30x28 (60.1x76.2x71.1)	185 (84)

All specifications are subject to change without notice



**Gruenberg, Blue M, Tenney**

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Specifications & Product Information is subject to change without notice.  
Images for reference only.  
Options and accessories may not be included with all models.