



TPS[™]
Thermal Product Solutions

»» Blue M

1200°C LGO Element Box Furnace

1200°C LGO Element Box Furnace

The temperature uniformity and energy efficient design of our 1200°C LGO Element Box Furnace eliminates thermal shock with quick response and heat-up and cool-down rates. Safety door switch interrupts power to heating element when door is opened.



► Features

- Air vent (1" dia., top) and air inlet (.375" dia., rear)
- Self-tuning, digital instrumentation
- Platinel II® thermocouple
- Removable shelves; 0.58 cu.ft. includes 1 two-part shelf, center position; 1.95 cu.ft. includes 3 shelf positions; 1 two-part shelf included standard
- Moldatherm® hearth plate
- Adjustable high limit overtemperature protection (OTP)
- Temperature
 - 1200°C (2192°F) Maximum
- Chamber Sizes
 - Vertical Lift Door 0.6 Cubic Feet
 - Horizontal Side Swing Door 2.0 Cubic Feet

Vertical Lift Door 0.6 Cu.Ft. (16.4 liter) Models

Model	Integrated Digital Control	Type of Control	Single Phase Electric Power (Volts, Hz)	Watts	Interior Dimensions WxH in. (cm)	Exterior Dimensions WxH in. (cm)	Shipping Weight lbs. (kg)
BF51731C	Digital	Single setpoint	208/240, 50/60	4,500	13 x 11 x 7 (33 x 27.9 x 17.8)	24 x 23 x 27 (61 x 58.4 x 68.6)	165 (75)
BF51731BC	Digital/OTC	Single setpoint	208/240, 50/60	4,500	13 x 11 x 7 (33 x 27.9 x 17.8)	24 x 23 x 27 (61 x 58.4 x 68.6)	165 (75)
BF51732C	16 Seg/1 Prog	Single Program	208/240, 50/60	4,500	13 x 11 x 7 (33 x 27.9 x 17.8)	24 x 23 x 27 (61 x 58.4 x 68.6)	165 (75)
BF51732BC	16 Seg/1 Prog/OTC	Single Program	208/240, 50/60	4,500	13 x 11 x 7 (33 x 27.9 x 17.8)	24 x 23 x 27 (61 x 58.4 x 68.6)	165 (75)
BF51732PC	99 Seg/30 Prog	Multiple Program	208/240, 50/60	4,500	13 x 11 x 7 (33 x 27.9 x 17.8)	24 x 23 x 27 (61 x 58.4 x 68.6)	165 (75)
BF51732PBC	99 Seg/30 Prog/OTC	Multiple Program	208/240, 50/60	4,500	13 x 11 x 7 (33 x 27.9 x 17.8)	24 x 23 x 27 (61 x 58.4 x 68.6)	165 (75)
BF51732PFMC	99 Seg/30 Prog/FM	Multiple Program	208/240, 50/60	4,500	13 x 11 x 7 (33 x 27.9 x 17.8)	24 x 23 x 27 (61 x 58.4 x 68.6)	165 (75)
BF51732PBFMC	99 Seg/30 Prog/OTC/FM	Multiple Program	208/240, 50/60	4,500	13 x 11 x 7 (33 x 27.9 x 17.8)	24 x 23 x 27 (61 x 58.4 x 68.6)	165 (75)

Horizontal Side Swing Door 2.0 Cu.Ft. (55.3 liter) Models

Model	Integrated Digital Control	Type of Control	Single Phase Electric Power (Volts, Hz)	Watts	Interior Dimensions WxH in. (cm)	Exterior Dimensions WxH in. (cm)	Shipping Weight lbs. (kg)
BF51841C	Digital	Single setpoint	208/240, 50/60	5,800	15 x 15 x 15 (38.1 x 38.1 x 38.1)	29 x 28 x 33 (73.6 x 71.1 x 83.8)	280 (127)
BF51841BC	Digital/OTC	Single setpoint	208/240, 50/60	5,800	15 x 15 x 15 (38.1 x 38.1 x 38.1)	29 x 28 x 33 (73.6 x 71.1 x 83.8)	280 (127)
BF51842C	16 Seg/1 Prog	Single Program	208/240, 50/60	5,800	15 x 15 x 15 (38.1 x 38.1 x 38.1)	29 x 28 x 33 (73.6 x 71.1 x 83.8)	280 (127)
BF51842BC	16 Seg/1 Prog/OTC	Single Program	208/240, 50/60	5,800	15 x 15 x 15 (38.1 x 38.1 x 38.1)	29 x 28 x 33 (73.6 x 71.1 x 83.8)	280 (127)
BF51841PC	99 Seg/30 Prog	Multiple Program	208/240, 50/60	5,800	15 x 15 x 15 (38.1 x 38.1 x 38.1)	29 x 28 x 33 (73.6 x 71.1 x 83.8)	280 (127)
BF51841PBC	99 Seg/30 Prog/OTC	Multiple Program	208/240, 50/60	5,800	15 x 15 x 15 (38.1 x 38.1 x 38.1)	29 x 28 x 33 (73.6 x 71.1 x 83.8)	280 (127)
BF51841PFMC	99 Seg/30 Prog/FM	Multiple Program	208/240, 50/60	5,800	15 x 15 x 15 (38.1 x 38.1 x 38.1)	29 x 28 x 33 (73.6 x 71.1 x 83.8)	280 (127)
BF51841PBFMC	99 Seg/30 Prog/OTC/FM	Multiple Program	208/240, 50/60	5,800	15 x 15 x 15 (38.1 x 38.1 x 38.1)	29 x 28 x 33 (73.6 x 71.1 x 83.8)	280 (127)

All specifications are subject to change without notice.

Options:

- RS-485 computer communications port
- Flowmeter (FM) (Inert gas only)
 - Gas flowmeter is located on front control panel
 - Adjustable flow rate 1.0 to 10.0 cu.ft./ht.
 - Suitable for inert gas or air flow chamber
 - Allows fresh air exchange for ashing applications
 - Not suitable for combustible or volatile gases



Address: 2821 Old Route 15 | New Columbia, PA 17856-9396 | USA
 Phone: (570) 538-7200 | Fax: (570) 538-7380
 Email: info@thermalproductsolutions.com

THERMAL PRODUCT SOLUTIONS

» Baker Furnace » Blue M » Gruenberg » Lindberg/MPH » Tenney » Wisconsin Oven