

1200°C LGO Element Box Furnace

The temperature uniformity and energy efficient design of the 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 Size - Vertical Lift Door 0.6 Cubic Feet
- Horizontal Side Swing Door 2.0 Cubic Feet

Options

- RS485 Digital Communications Port (COM)
 - 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
- 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

Vertical Lift Door						
Model	Integrated Digital Control	Single Phase Electrical Power (Vots, Hz)	Wattage	Interior Dimensions WxLxH in (cm)	Exterior Dimensions WxLxH in (cm)	Shipping Weight lbs. (kg)
BF51731C-1	Digital	208/240, 50/60	4,500	13x11x7 (33x27.9x17.8)	24x23x27 (61x58.4x68.6)	165 (75)
BF51731BC-1	Digital/OTC	208/240, 50/60	4,500	13x11x7 (33x27.9x17.8)	24x23x27 (61x58.4x68.6)	165 (75)
BF51732C-1	Digital	208/240, 50/60	4,500	13x11x7 (33x27.9x17.8)	24x23x27 (61x58.4x68.6)	165 (75)
BF51732BC-1	Digital/OTC	208/240, 50/60	4,500	13x11x7 (33x27.9x17.8)	24x23x27 (61x58.4x68.6)	165 (75)
BF51732PC-1	Prog	208/240, 50/60	4,500	13x11x7 (33x27.9x17.8)	24x23x27 (61x58.4x68.6)	165 (75)
BF51732PBC-1	Prog/OTC	208/240, 50/60	4,500	13x11x7 (33x27.9x17.8)	24x23x27 (61x58.4x68.6)	165 (75)
BF51732PFMC-1	Prog/FM	208/240, 50/60	4,500	13x11x7 (33x27.9x17.8)	24x23x27 (61x58.4x68.6)	165 (75)
BF51732PBFMC-1	Prog/OTC/FM	208/240, 50/60	4,500	13x11x7 (33x27.9x17.8)	24x23x27 (61x58.4x68.6)	165 (75)
BF51732PBFMCOMC-1	Prog/OTC/FM/COM	208/240, 50/60	4,500	13x11x7 (33x27.9x17.8)	24x23x27 (61x58.4x68.6)	165 (75)
Horizontal Side Swing Door						
Model	Integrated Digital Control	Single Phase Electrical Power (Vots, Hz)	Wattage	Interior Dimensions WxLxH in (cm)	Exterior Dimensions WxLxH in (cm)	Shipping Weight lbs. (kg)
BF51841C-1	Digital	208/240, 50/60	5,800	15x15x15 (38.1x38.1x38.1)	29x28x33 (73.6x71.1x83.8)	280 (127)
BF51841BC-1	Digital/OTC	208/240, 50/60	5,800	15x15x15 (38.1x38.1x38.1)	29x28x33 (73.6x71.1x83.8)	280 (127)
BF51842C-1	Digital	208/240, 50/60	5,800	15x15x15 (38.1x38.1x38.1)	29x28x33 (73.6x71.1x83.8)	280 (127)
BF51842BC-1	Digital/OTC	208/240, 50/60	5,800	15x15x15 (38.1x38.1x38.1)	29x28x33 (73.6x71.1x83.8)	280 (127)
BF51842PC-1	Prog	208/240, 50/60	5,800	15x15x15 (38.1x38.1x38.1)	29x28x33 (73.6x71.1x83.8)	280 (127)
BF51842PBC-1	Prog/OTC	208/240, 50/60	5,800	15x15x15 (38.1x38.1x38.1)	29x28x33 (73.6x71.1x83.8)	280 (127)
BF51842PFMC-1	Prog/FM	208/240, 50/60	5,800	15x15x15 (38.1x38.1x38.1)	29x28x33 (73.6x71.1x83.8)	280 (127)
BF51842PBFMC-1	Prog/OTC/FM	208/240, 50/60	5,800	15x15x15 (38.1x38.1x38.1)	29x28x33 (73.6x71.1x83.8)	280 (127)
BF51842PBFMCOMC-1	Prog/OTC/FM/COM	208/240, 50/60	5,800	15x15x15 (38.1x38.1x38.1)	29x28x33 (73.6x71.1x83.8)	280 (127)

