

1700°C Small Chamber Box Furnace

Our 1700° C Small Chamber Box Furnace is designed for applications which require extremely rapid heat-up rates with 3500 watt models reaching 1700° C. These units are energy efficient and economically priced.

Benefits

- Cool furnace exterior
- Accurate temperature measurement
- Reduces maintenance with element termination and mounting
- Increased resistance to thermal shock

Features

- Two popular chamber sizes
- Moldatherm® hearth plate
- High volume cooling fans move air between inner and outer shell
- Long-life type "B" thermocouples with 10' compensated lead wire and polarized plug
- Molybdenum disilicide elements with unique right angle bend and sidewall mounting
- Moldatherm® high temperature ceramic fiber insulation with advanced graduated density composition
- Temperature - 1700°C (3092°F) Maximum
- Chamber Sizes - 150 Cubic Inches - 552.5 Cubic Inches



Applications

- Sintering
- Ashing
- Bonding
- Melting
- Metals and ceramic composites

Model	Capacity	Temperature Range	Control	Interior Dimensions D x W x H inches (cm)	Exterior Dimensions L x W x H inches (cm)	Electrical	Plug Type	Shipping Weight lb (kg)
51314	2.5L (0.09 cu. ft.)	500° to 1700° C	Independent, choose from table below	5 x 6 x 5 (12.7 x 15.2 x 12.7)	16 x 16 x 14 (40.6 x 40.6 x 35.6)	208/540V, 50/60Hz, 3500W; 14.6A	No plug, No cable, Requires hardwiring	86 (39)
51524	9L (0.3 cu. ft.)	500° to 1700° C	Independent, choose from table below	10 x 8.5 x 6.5 (25.4 x 21.6 x 16.5)	19.5 x 19.5 x 15.8 (49.5 x 49.5 x 40)	208/540V, 50/60Hz, 5000W; 50A	No plug, No cable, Requires hardwiring	117 (53)

Model	Controller	For Use With	Exterior Dimensions L x W x H inches (cm)	Electrical
59246-P-B-COM*	Prog. w/ OTC & Ethernet Comms. Port	BF51314C	15 x 21 x 10 (38.1 x 53.3 x 25.4)	208/240V, 50/60Hz; 30A
59256-P-B-COM*	Prog. w/ OTC & Ethernet Comms. Port	BF51524C		

* Please note: connected furnace requires 2nd thermocouple for OTC (installed when ordered together)

All specifications are subject to change without notice.

