



»» Blue M

1500°C Box Furnace

1500°C Box Furnace

The 1500°C Box Furnace maintains temperature uniformity, has a rapid response rate and boasts a dense load capability. Its long element life is essential for energy efficiency and low maintenance to meet today's workplace requirements.



► Features

- Insulating vestibules and directly hinged, insulated plug doors
- Internal vent that dissipates the initial heat surge from open door
- Type "R" thermocouple
- Silicon carbide heating elements horizontally positioned above and below the heating chamber
- High-temperature graded insulation
- Fitted silicon-carbide hearthplate
- Double shell, heavy duty construction
- Low temperature outer shell
- Temperature
 - 1500°C (2732°F) Maximum
- Chamber Sizes
 - 360 Cu. Inches - 43.84 Cu. Feet

Model	Chamber Dimensions W x H x D in. (cm)	Outer Dimensions W x H x D in. (cm)	Watts	Shipping Weight (lbs.)	Control Console Model No.
51333	6 x 5 x 12 (15.2 x 12.7 x 30.5)	25 x 26 x 29 (63.5 x 66 x 73.7)	5,900	400	58125
51663	12 x 12 x 14 (30.5 x 30.5 x 35.6)	37 x 36 x 33 (94 x 91.4 x 83.8)	23,000	765	58175
51683	12 x 12 x 24 (30.5 x 30.5 x 61)	38 x 39 x 40 (96.5 x 99.1 x 101.6)	20,800	985	58175
51863	16 x 16 x 24 (40.6 x 40.6 x 61)	41 x 44 x 42 (104.1 x 111.8 x 106.7)	23,400	1,198	58185

Model	58125	58175	58185
Preset TC Input	Type R	Type R	Type R
Preset Control Range	1-1500°C	1-1500°C	1-1500°C
Maximum Current/zone (Amps)	60	120	180
Voltage	208/240	208/240	208/240
Hertz	50/60	50/60	50/60
Overall Size (HxWxD, inches)	10 x 14 x 19 (25.4 x 35.6 x 48.3)	17 x 17 x 21 (43.2 x 43.2 x 53.3)	17 x 24 x 21 (43.2 x 61 x 53.3)
Shipping Weight (lbs.)	30	55	80

All specifications are subject to change without notice.

Options:

- Blue M Built-In Control Console
- Provide additional features and versatility for your control system
- Programmable controller (Option P)
 - Offers the convenient flexibility of ramping to multiple setpoint temperatures and holding for variable time periods at those temperatures
 - Controller provides 16 programmable segments consisting of ramps or dwells
- Multiple Programs (Option P4)
 - Offers the convenient flexibility of ramping to multiple setpoint temperatures and holding for variable time periods at those temperatures
 - Controller provides up to four 16 programmable segments or one 64-segment program
- Excess temperature protection (Option B)
 - Provides positive protection of both furnace and load in event of failure in the primary control circuit.
 - Redundant circuit includes separate instrument with manual reset pushbutton, magnetic contactor, and independent thermocouple
- Digital Communication Kits
 - Allow modification and interrogation of all instrument control and configuration parameters from a remote computer using Blue M provided SPECVIEW® software
 - Available to interface with RS232 or RS422/485 communication ports
- Atmosphere Retorts
 - Available for all Blue M 1500°C box furnaces when controlled atmosphere processing is required
 - Atmosphere Control Consoles



Gruenberg, Blue M, Tenney

Mailing Address: P.O. Box 150 | White Deer, PA 17887-0150 | USA

Phone: (570) 538-7200 | Fax: (570) 538-7380

Physical Address: 2821 Old Route 15 | New Columbia, PA 17856-9396

info@thermalproductsolutions.com

Specifications and Product Information are subject to change without notice.

THERMAL PRODUCT SOLUTIONS

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