



»» Blue M

1700 °C Crucible Furnace

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Our 1700°C Crucible Furnace is thermal shock resistant and exhibits rapid cycling durability. The insulation and heating element in this unit delivers optimal chamber uniformity with fast heat-up and recovery time. It features an energy efficient and durable design with easy, replaceable individual elements. The work load can be conveniently raised and lowered with safety.



► Features

- Dual access chamber permitting top or bottom loading
- In air or protective inert atmosphere in bottom loading
- Molybdenum disilicide heating elements
- Forced-air blowers
- Double-wall crucible cabinet
- Type "B" thermocouples
- Holdback feature that allows process to catch up to set temperature value
- Self-tuning PID setting feature for thermal process
- High limit overtemperature protection
- RS232 data port (communications card and port) for connection to remote computer
- Programmable PID based control ☒ four 16-segment programs
- Temperature
 - 1700°C (3092°F) Maximum
- Crucible Size
 - 6.5" (Top Vestibule ID) x 5" (Bottom Vestibule ID) x 6.5" (Heated Depth)

Model	Top Vestibule Opening ID inches (cm)	Bottom Vestibule Opening ID inches (cm)	Working Depth	Exterior Dimensions inches (cm)	Controller	Shipping Weight lbs. (kg)
CF56724C	6.5 (16.5)	5 (12.7)	6.5 (16.5)	19.5 x 20 x 35.5 (49.5 x 50.8 x 90.2)	CC59256PCOMC	250 (114)

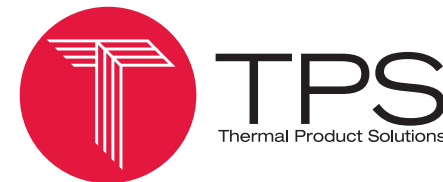
Controller Model	Digital	With Programmer	With Overtemp Controller	Exterior Dimensions inches (cm)	Shipping Weight lbs. (kg)
CC59256PCOMC	Yes	Yes	n/a	21 x 15 x 10 (53.3 x 38.1 x 25.4)	130 (59)
CC59256PBCOMC	Yes	Yes	Yes	21 x 15 x 10 (53.3 x 38.1 x 25.4)	130 (59)

Adapter Kit Model No.	Diameter inches (cm)
VTINS156724	1 (2.54)
VTINS256724	2 (5.08)
VTINS356724	3 (7.62)

All specifications are subject to change without notice.

► Options:

- Computer communications software
- Overtemperature control (Option B) (OTC)
- Adjustable digital overtemperature control
- Protects furnace and load in event of circuit failure
- Overrides main controller, assumes temperature control and shuts off power to furnace if high limit is reached
- Manual reset for safety
- Operates via signal from independent thermocouple
- Processing Options
 - Can be used for atmosphere processing using an inverted ceramic crucible over the load forming a muffle
 - Inert gas is supplied through inlet and outlet tubes (customer supplied)
 - Gas flow is controlled via an adjustable N2 flowmeter, included
- Vertical tube adapter kit
 - Creates a 1700°C tube furnace with air or inert atmosphere control using the Model CF56724C crucible furnace as the heating source
 - Kits are selected based on intended process tube size
 - Includes: 2 tube vestibules
 - 2 tube insulating sleeves
 - Cover plate and outlet plugs



Gruenberg, Blue M, Tenney

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THERMAL PRODUCT SOLUTIONS

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