**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 CE 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)

**1700°C Crucible Furnace**

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.
<table>
<thead>
<tr>
<th>Model</th>
<th>Top Vestibule Opening ID inches (cm)</th>
<th>Bottom Vestibule Opening ID inches (cm)</th>
<th>Working Depth inches (cm)</th>
<th>Exterior Dimensions inches (cm)</th>
<th>Controller</th>
<th>Shipping Weight lbs. (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CF56724C</td>
<td>6.5 (16.5)</td>
<td>5 (12.7)</td>
<td>6.5 (16.5)</td>
<td>19.5 x 20 x 35.5 (49.5 x 50.8 x 90.2)</td>
<td>CC59256PCOMC</td>
<td>250 (114)</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Adapter Kit Model No.</th>
<th>Diameter inches (cm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>VTINS156724</td>
<td>1 (2.54)</td>
</tr>
<tr>
<td>VTINS256724</td>
<td>2 (5.08)</td>
</tr>
<tr>
<td>VTINS356724</td>
<td>3 (7.62)</td>
</tr>
</tbody>
</table>

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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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.