1200°C Crucible Furnace

Easy maintenance and convenient operation is essential in today's workplace. The efficient design of our 1200°C Crucible Furnace allows for dependability and durability. This furnace is compatible with alumina, mullite, quartz, and metallic crucibles. Cover plug with insulation and handle for safe removal. Hearthplate supports load and protects furnace from spillage. Automatically sets the PID values for your thermal process.

Features

- Heating elements embedded in Moldatherm® insulation
- Platinel® II thermocouple with compensated lead wire and polarized plug
- Ceramic fiber hearthplate
- Programmable heat-up to setpoint temperature
- Fast heat-up and recovery rates, exceptional temperature uniformity and energy efficiency provide for low outer shell temperatures.

Options

- Pots
- Inert atmosphere retorts
- Combustible gas safety system

Control Console Options

- Programmable control (Option P)
  - Offers flexibility of ramping to multiple setpoint levels and holding for variable time periods at those levels
- Excess temperature protection (Option B)
  - Provides positive protection of both furnace and load in the event of failure in the primary control circuit.
  - Redundant circuit includes separate analog setting instrument with manual reset pushbutton, magnetic contractor and independent thermocouple.
- Digital communication kits (Option COM)
  - Allow modification and interrogation of all instrument control and configuration parameters from a remote computer.
  - Ethernet communications available
- Computer communications software

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### Crucible Sizes

<table>
<thead>
<tr>
<th>Top Vestibule ID</th>
<th>Heated Depth</th>
<th>Wattage</th>
<th>Overall Dim. HxWxD in inches</th>
<th>Use w/</th>
<th>Control Type</th>
<th>Shipping Weight lbs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 (25.4) x 14 (35.6)</td>
<td>6,800</td>
<td>28 x 28 x 28 (71.1 x 71.1 x 71.1)</td>
<td>58124</td>
<td>480</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12 (30) x 18 (45.7)</td>
<td>14,960</td>
<td>29 x 31 x 32 (73.7 x 78.7 x 81.3)</td>
<td>58154</td>
<td>550</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

All furnaces 208/240VAC, single phase, 50/60Hz.

Requires separate Lindberg/MPH control console listed below

<table>
<thead>
<tr>
<th>1200°C Crucible Controller Models</th>
<th>Preset TC Input</th>
<th>Preset Control Range</th>
<th>Maximum Current</th>
<th>Voltage</th>
<th>Hertz</th>
<th>Overall Size HxWxD in inches</th>
<th>Shipping Weight lbs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>58124</td>
<td>Platinel II</td>
<td>1-1200°C</td>
<td>60 Amps</td>
<td>208/240</td>
<td>50/60</td>
<td>10 x 14 x 19 (25.4 x 35.6 x 48.3)</td>
<td>30</td>
</tr>
<tr>
<td>58154</td>
<td>Platinel II</td>
<td>1-1200°C</td>
<td>90 Amps</td>
<td>208/240</td>
<td>50/60</td>
<td>17 x 17 x 19 (43.2 x 43.2 x 48.3)</td>
<td>50</td>
</tr>
</tbody>
</table>

All specifications are subject to change without notice.