1700°C Heavy Duty Tube Furnace

Our 1700°C Tube Furnace is energy efficient with fast heat-up recovery rates and exceptional temperature uniformity – all at an economical price.

This unit offers:
- easily replaceable elements without the need to match resistance values
- accurate temperature measurement
- cool furnace exterior
- long thermocouple life
- added safety and performance

Features
- Moldatherm end vestibules accept 3” O.D. process tube (customer supplied)
- Sidewall heating element mounting
- Type “B” thermocouples and 10’ compensated lead wire with polarized plug included
- Moldatherm graduated density insulation
- Independent digital temperature control with 16 programmable segments
- Temperature
  - 1700°C (3092°F) Maximum
- Chamber Sizes
  - 12” heated length bored for 1”-3” OD process tube
  - 24” heated length bored for 1”-3” OD process tube
### Options:
- Inert and combustible atmosphere admission systems
- Vertical versions
- Computer communications software
- Moldatherm® vestibules permit operation with 1”, 2”, and 3” O.D. process tubes for increased versatility
- Option B Overtemperature Control (OTC)
- Adjustable digital overtemperature control, factory installed on selected control consoles with “B” designation. Overrides main controller, assumes temperature control and shuts off power to furnace if high limit is reached.
- Vestibules
- Optional Moldatherm® vestibules permit operation with 1”, 2”, and 3” O.D. process tubes for increased versatility. Two vestibules are required for each furnace. One 3” vestibule set is included and installed with each furnace.
- Moldatherm Sleeves
- Tube sleeves may be placed over customer supplied process tubes to reduce thermal shock to the process tube. One set of 3-inch tube sleeves is included with each furnace.

### Specifications:

<table>
<thead>
<tr>
<th>Model</th>
<th>Single Phase Electric Power (Volts/Hz)</th>
<th>Watts</th>
<th>Independent Controller</th>
<th>Exterior Dim. WxH-BxH in. (cm)</th>
<th>Process Tube Dia. inches (cm)</th>
<th>Heated Length inches (cm)</th>
<th>Shipping Weight lbs. (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>STF54434C</td>
<td>208/240, 50/60</td>
<td>5,000</td>
<td>CC59256PCOMC</td>
<td>16 x 22 x 19 (40.6 x 55.9 x 48.3)</td>
<td>1, 2, 3 (2.5, 5.1, 7.62)</td>
<td>12 (30.48)</td>
<td>95 (43)</td>
</tr>
<tr>
<td>STF54454C</td>
<td>208/240, 50/60</td>
<td>10,000</td>
<td>CC59256PCOM2KT</td>
<td>16 x 34 x 19 (40.6 x 86.4 x 48.3)</td>
<td>1, 2, 3 (2.5, 5.1, 7.62)</td>
<td>24 (60.96)</td>
<td>165 (75)</td>
</tr>
</tbody>
</table>

### Furnace Model

<table>
<thead>
<tr>
<th>Model</th>
<th>Vestible Catalog No. (Ordered Separately)</th>
<th>1-inch Dia.</th>
<th>2-inch Dia.</th>
<th>3-inch Dia.</th>
</tr>
</thead>
<tbody>
<tr>
<td>STF54434C</td>
<td>7219-2147-001</td>
<td>7219-2147-002</td>
<td>Included (7219-2147-003)</td>
<td></td>
</tr>
<tr>
<td>STF54454C</td>
<td>7219-2147-013</td>
<td>7219-2147-012</td>
<td>Included (7219-2134-011)</td>
<td></td>
</tr>
</tbody>
</table>

### Furnace Model

<table>
<thead>
<tr>
<th>Model</th>
<th>Sleeve Catalog No. (Ordered Separately)</th>
<th>1-inch Dia.</th>
<th>2-inch Dia.</th>
<th>3-inch Dia.</th>
</tr>
</thead>
<tbody>
<tr>
<td>STF54434C</td>
<td>7219-2134-001</td>
<td>7219-2134-002</td>
<td>Included (7219-2134-003)</td>
<td></td>
</tr>
<tr>
<td>STF54454C</td>
<td>7219-2134-013</td>
<td>7219-2134-012</td>
<td>Included (7219-2134-003)</td>
<td></td>
</tr>
</tbody>
</table>

All specifications are subject to change without notice.