Bench Top Tempering Oven - Model K-161020-DW

Every Keith bench top drawing furnace is produced with a microprocessor-based controller, easy to change alloy wire elements, porcelain hearth plate, heavy gauge sheet steel furnace case, finest quality insulating fire brick backed up by 1800°F fiber board insulation, door safety switches, and counter balanced vertical rising doors designed to keep the hot face away from the operator. These are just a few of the specifications and features of our single chamber bench top annealing furnaces.

Standard features included in base package:

- Rated for 1250°F temperature
- 240 Volts, single phase, 60 Hz
- PID temperature controller Watlow PM3E with one temperature set point
- (1) type K thermocouple
- Fire brick with easy to change resistance wire heating elements
- Vertical rising counter balanced door keeps hot face away from operator (safety)
- Door safety switches disconnect power to heating elements when door is opened
- Door with ceramic fiber rope seal for better temperature uniformity
- Variety of options available to better meet your specific heat processing requirements

The Keith Standard 1250°F Rated Bench Top Tempering Furnace has become the industry standard for general use in the shop, laboratory or factory where temperatures between 300°F – 1250°F ±10°F are required. These furnaces are alternatively called table top annealing furnaces, single chamber drawing furnaces, stress relieving furnaces and forced convection ovens.

Similar to the Keith 2250°F Bench Top Hardening Furnaces, the Keith Bench top annealing furnaces come in a variety of model sizes and configurations with a various options available including a 2000°F temperature upgrade package, viewing port, digital recorder for data capture, furnace bench stands and special controls – just to name a few.
Options, Accessories & Spare Parts:

- Upgrade to 2000°F maximum temperature package
- PID temperature controller Watlow PM4E (4 programs, 10 steps, timer)
- PID temperature controller Watlow F4 (40 programs, 256 steps, timer)
- Other PID controllers upon request; please specify (Eurotherm, West, etc.)
- High limit/over temperature protection (includes controller and thermocouple)
- Honeywell eZtrend Recorder for data collection and transfer
- Electrical other than standard 240 Volt, single phase, 60 Hz
- Steel Bench Top furnace stand
- Viewing port
- Roll away quench tank
- Stainless Steel Exhaust Hood with mounting brackets
- 2-inch stainless steel inert gas inlet port
- Ceramic cement embedded element plate assemblies for heating element protection
- Spare parts package for installation of new furnaces
- AMS 2750 / NADCAP package
Spare and replacement parts:

- **Resistance coil wire elements** and coil wire element plate assemblies
- **Thermocouples**
- Furnace and Kiln furniture
- Crucibles for metal and glass melting
- Stainless steel heat treat tool wrap to minimize oxidation of ferrous metals during heating

List of our standard models

Custom sizes are also available to fit your application. Please request a quote by phone or email and we will provide additional information.

<table>
<thead>
<tr>
<th>Keith Model #</th>
<th>Chamber Size W</th>
<th>Chamber Size L</th>
<th>Chamber Size H</th>
<th>Overall Size W</th>
<th>Overall Size L</th>
<th>Overall Size H</th>
<th>Max Intermittent Temperature</th>
<th>Max Continuous Temperature</th>
<th>KW Input</th>
<th>Weight Lbs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>K-120820-DW</td>
<td>12”</td>
<td>17”</td>
<td>8”</td>
<td>25”</td>
<td>43”</td>
<td>28”</td>
<td>1250˚F</td>
<td>1000˚F</td>
<td>4.3</td>
<td>400</td>
</tr>
<tr>
<td>K-120832-DW</td>
<td>12”</td>
<td>29”</td>
<td>8”</td>
<td>25”</td>
<td>54”</td>
<td>28”</td>
<td>1250˚F</td>
<td>1000˚F</td>
<td>6.8</td>
<td>500</td>
</tr>
<tr>
<td>K-120840-DW</td>
<td>12”</td>
<td>37”</td>
<td>8”</td>
<td>25”</td>
<td>65”</td>
<td>28”</td>
<td>1250˚F</td>
<td>1000˚F</td>
<td>6.8</td>
<td>600</td>
</tr>
<tr>
<td>K-121220-DW</td>
<td>12”</td>
<td>17”</td>
<td>12”</td>
<td>25”</td>
<td>43”</td>
<td>32”</td>
<td>1250˚F</td>
<td>1000˚F</td>
<td>4.3</td>
<td>550</td>
</tr>
<tr>
<td>K-161020-DW</td>
<td>16”</td>
<td>17”</td>
<td>10”</td>
<td>29”</td>
<td>43”</td>
<td>31”</td>
<td>1250˚F</td>
<td>1000˚F</td>
<td>6.2</td>
<td>500</td>
</tr>
<tr>
<td>K-161220-DW</td>
<td>16”</td>
<td>17”</td>
<td>12”</td>
<td>29”</td>
<td>43”</td>
<td>31”</td>
<td>1250˚F</td>
<td>1000˚F</td>
<td>6.2</td>
<td>650</td>
</tr>
<tr>
<td>K-161032-DW</td>
<td>16”</td>
<td>29”</td>
<td>10”</td>
<td>29”</td>
<td>54”</td>
<td>31”</td>
<td>1250˚F</td>
<td>1000˚F</td>
<td>8.1</td>
<td>600</td>
</tr>
</tbody>
</table>