Bench Top Tempering Oven - Model K-161032-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

![Thermocouples](image1)
![Stainless steel tool wrap](image2)
![Furnace & Kiln Furniture](image3)
![Alumina crucibles](image4)

**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>
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<tbody>
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<td>12''</td>
<td>17''</td>
<td>8''</td>
<td>25''</td>
<td>43''</td>
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