**CENTURION™ QEX VACUUM PORCELAIN FURNACE**

**Features:**
- Alphanumeric program names
- Graphic display
- Absolute vacuum control
- Continuous step technology
- Advanced temperature control
- Programmable muffle position and speed
- Large, stable work platform (10 cm/4”)
- Quartz spiral muffle
- Closed muffle drying/cooling
- 100 Conventional porcelain programs
- Memory card for program backup, and parameter loading
- User can customize program list
- Programmable idle time for closing muffle
- Programming mode for experimental programs
- InCer card for sintering ceramics (InCeram®) Optional
- Security code for program locking
- Multi-lingual (English, Spanish and Italian)
- Auto purge
- “Energy Saver” feature
- Diagnostics for easy troubleshooting
- Auto idle mode
- Power failure and runaway protection
- Internal surge/spike protection
- °C to °F conversion
- Programmable night mode temperature
- Full Two-year W arranty

**Specifications**

**Operational**
- Ramp rate: 200 °C (360 °F)/minute max.
- High temperature: 1200 °C (2192 °F) max.
- Low temperature: 800 °C (1472 °F) max.
- Time range: 59:59 minute max.
- Vacuum programmable levels: 0-100% and 101% (off, programmed level, and pump on continuously)

**Electrical**
- Operating range: 100-120 VAC, 230 VAC
- 50/60 Hz
- Current: 13 amps @ 100V, 7.2 amps @ 230V
- Wattage: 1740 watts maximum including pump
- Watts to maintain: 1000 °C
- Less than 500 watts, (without vacuum)

**Product Code Number:** 100/120 Volt - 9494305, 230 Volt - 9494306

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**CENTURION™ Q50 VACUUM PORCELAIN FURNACE**

**Features:**
- 50-program memory
- Quartz sleeve muffle
- Continuous step technology
- Enhanced temperature stability
- Closed muffle drying
- Programmable muffle movement
- Fast cooling
- Bright, backlit LCD display
- Icon graphic controls
- Auto Calibration, auto purge, auto night mode
- Program override
- Internal surge/spike protection
- Program advance key
- °C to °F conversion
- Night mode
- Full Two-Year W arranty

**Specifications**

**Operational**
- Ramp rate: 200°C (360°F)/minute max.
- High Temperature: 1205°C (2201°F) max.
- Low Temperature: 800°C (1472°F) max.
- Time range: 99:59 minute max.
- Vacuum: 0-100% and 101% (off, programmed level and pump on continuously) programmable levels

**Electrical**
- Operating range: 100-120V, 230V
- 50/60 Hz
- Current: 13 amps @ 100V, 7.2 amps @ 230V
- Wattage: 1740 watts maximum including pump
- Watts to maintain: 1000 °C
- Less than 400 watts, (without vacuum)

**Product Code Number:** 100/120 Volt - 9493930, 230 Volt - 9493931

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**Dimensions**

<table>
<thead>
<tr>
<th>Feature</th>
<th>QEX VACUUM PORCELAIN FURNACE</th>
<th>Q50 VACUUM PORCELAIN FURNACE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Muffle open</td>
<td>48cm (19&quot;) x 33cm (13&quot;) W</td>
<td>48cm (19&quot;) x 33cm (13&quot;) W</td>
</tr>
<tr>
<td>Muffle closed</td>
<td>33cm (13&quot;) x 33cm (13&quot;) W</td>
<td>33cm (13&quot;) x 33cm (13&quot;) W</td>
</tr>
<tr>
<td>Muffle platform</td>
<td>10 cm (4&quot;) diameter</td>
<td>10 cm (4&quot;) diameter</td>
</tr>
<tr>
<td>Weight</td>
<td>21 kg (45 lb.)</td>
<td>21 kg (45 lb.)</td>
</tr>
<tr>
<td>Shipping weight</td>
<td>25 kg (55 lb.)</td>
<td>25 kg (55 lb.)</td>
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</tbody>
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