AHP-1800CPV Versatile Cold/Hot Plate

Air Cooled
Bench Top
100-240 VAC Input
400 Watts

**FEATURES**
- Cools and heats (-20 °C to 90 °C)*
- Precision machined anodized aluminum cold plate surface (~ 1100 cm² surface area, flat within +/- .005 cm)
- Stainless steel threaded inserts available (standard & custom patterns)
- Easy to clean stainless steel apron
- Integral PWM temperature controller
- 100-240 VAC universal input
- Low-profile design with ergonomic sloped front
- PWM controlled fan for quieter operation
- Weighs less than 50 lbs. (22.7 kg)
- Operating ambient temperature range of (0 °C to 50 °C)
- Compact bench top unit, 19.2” X 15.2” footprint
- Virtually maintenance-free operation
- Painted Enameled stainless steel exterior housing
- Many accessories available

**CONTROL FEATURES**
- Integral “tunable” PWM temperature control
- PWM, Bi-directional temperature control
- Manually set or autotune to set point for best PID values
- 4 Programmable temperature zones with 4 independent PID settings
- Multi-segment ramp/soak programs with loops
- Internal RTD sensor, built into the cold plate
- Remote Sensibility™ switchable to exterior accessory RTD sensor
- USB communication with easy to use software
- Labview VI examples available

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>PART NUMBER</th>
<th>NOTES</th>
<th>PLATE CONFIGURATION</th>
<th>PERFORMANCE RATING</th>
<th>VOLTAGE VAC 50/60 HZ</th>
<th>CURRENT AMPS</th>
<th>WEIGHT LBS. (KG)</th>
<th>OPERATING AMBIENT °C</th>
</tr>
</thead>
<tbody>
<tr>
<td>AHP-1800CPV</td>
<td>9-04KB-1-0A0</td>
<td>Heat/Cool</td>
<td>Smooth Surface</td>
<td>400 Watts</td>
<td>100-240</td>
<td>5.0-2.5</td>
<td>50 (22.7)</td>
<td>0-50</td>
</tr>
<tr>
<td>AHP-1800CPV</td>
<td>9-04KB-1-TAP</td>
<td>Heat/Cool</td>
<td>6-32 Tap Pattern</td>
<td>400 Watts</td>
<td>100-240</td>
<td>5.0-2.5</td>
<td>50 (22.7)</td>
<td>0-50</td>
</tr>
<tr>
<td>AHP-1800CPV</td>
<td>9-04KB-1-MET</td>
<td>Heat/Cool</td>
<td>M3 Tap Pattern</td>
<td>400 Watts</td>
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<td>50 (22.7)</td>
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</tbody>
</table>

For custom threaded inserts and hole patterns contact TECA
Many options and accessories available, see CPV accessory pages
*Under the right conditions
**Versatile Cold Plate - Air Cooled**

**AHP-1800CPV**

**ENVIRONMENTS**
- Bench top
- Laboratory
- Industrial

**COOLING CAPACITY**
- 400 Watts @ 0 °C ΔT

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**DIMENSIONS**

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**PERFORMANCE CURVE**

**Equation of line: y=ΔT(°C) x=Capacity (Watts)**

<table>
<thead>
<tr>
<th>Ambient Temp</th>
<th>25°C</th>
<th>50°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cold Plate</td>
<td>y=0.098x-39.1</td>
<td>y=0.098x-41.8</td>
</tr>
</tbody>
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**Ambient Air Path**

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1-888-TECA-USA (832-2872)