AHP-1200CAS

Extended Temperature Range Cold/Hot Plate

Air Cooled
Bench Top

100-240 VAC Input
360 Watts

FEATURES

- Precision machined anodized aluminum cold plate surface
- Stainless Steel threaded inserts
- Easy clean stainless steel apron
- Cools down to -50 °C
- Heats up to 150 °C
- 100-240 VAC universal input
- Low-profile design with ergonomic sloped front
- PWM controlled fan for quieter operation
- Weighs less than 30 lbs. (13.6 kg)
- Operating ambient range 0 °C to 50 °C
- Compact bench top unit, 11.2” X 15.1” footprint
- Hinged clear acrylic cover
- Virtually maintenance-free operation
- Painted Enameled stainless steel exterior housing
- Provides power and control to cascades

CONTROL FEATURES

- Integral “tunable” PWM temperature control
- PWM, Bi-directional temperature control
- Manually set or autotune 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>CASCADE INCLUDED</th>
<th>COLD PLATE SURFACE AREA INCHES</th>
<th>VOLTAGE VAC 50/60 HZ</th>
<th>CURRENT DRAW AMPS. †</th>
<th>AMBIENT TEMPERATURE RANGE °C</th>
<th>COLD PLATE TEMPERATURE RANGE °C</th>
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</thead>
<tbody>
<tr>
<td>AHP-1200CAS*</td>
<td>9-35KB-1-CAS*</td>
<td>None</td>
<td>13.3 x 5.8</td>
<td>100-240</td>
<td>5.0</td>
<td>0 / +50</td>
<td>-20 / +90</td>
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<tr>
<td>AHP-1200C22</td>
<td>9-35KB-1-C22</td>
<td>CCP-22</td>
<td>8.8 x 4.5</td>
<td>100-240</td>
<td>6.6</td>
<td>0 / +50</td>
<td>-30 / +90</td>
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<td>CCP-21</td>
<td>6.0 x 3.0</td>
<td>100-240</td>
<td>6.4</td>
<td>0 / +50</td>
<td>-40 / +90</td>
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<tr>
<td>AHP-1200C31</td>
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<td>CCP-31</td>
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<td>100-240</td>
<td>6.8</td>
<td>0 / +50</td>
<td>-50 / +90</td>
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<tr>
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<td>CCP-21H</td>
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<td>100-240</td>
<td>6.8</td>
<td>0 / +50</td>
<td>-50 / +150</td>
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</tbody>
</table>

* This part number is ready for use with a low temperature cascade option and includes CH-1200 hinged cover, CC-1200 rear panel for cascade power up and control, refer to accessory pages for information on cascades
† Reflects the current draw @ 120 VAC, 60 Hz input

Many options and accessories available, see CPV accessory pages

TECA
1-888-TECA-USA (832-2872) www.teca-usa.com
Performance curves represent tests performed in 25 °C ambient with a well insulated cold plate surface.

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

**MAXIMUM \( \Delta T \) (LOAD = 0 WATTS)**
- AHP-1200CAS: -45 °C
- AHP-1200C22: -59 °C
- AHP-1200C21: -68 °C
- AHP-1200C31: -76 °C

**MAXIMUM TEMPERATURE**
- AHP-1200CAS, C22, C21, C31: 90 °C
- AHP-1200CAS high temp.: 120 °C
- AHP-1200C22H, C21H, C31H: 150 °C

**DIMENSIONS**

**TWO STAGE - LARGE PLATE**
- Dimensions: Inches [Millimeters]
- CCP-22: 8.75 [222] x 4.50 [114]
- CCP-21: 6.00 [152] x 3.00 [76]

**TWO STAGE - SMALL PLATE**
- Dimensions: Inches [Millimeters]
- CCP-22: 8.75 [222] x 4.50 [114]
- CCP-21: 6.00 [152] x 3.00 [76]

**THREE STAGE**
- Dimensions: Inches [Millimeters]
- CCP-31: 6.00 [152] x 3.00 [76]

Dimensions: Inches [Millimeters]