**AHP-301CPV Versatile Cold/Hot Plate**

**Air Cooled**

**Bench Top**

**100-240 VAC Input**

**82 Watts**

### SPECIFICATIONS

<table>
<thead>
<tr>
<th>MODEL</th>
<th>PART NUMBER</th>
<th>COLD PLATE</th>
<th>PERFORMANCE RATING BTU/HR</th>
<th>VOLTAGE VAC 50/60 HZ</th>
<th>CURRENT AMPS.</th>
<th>WEIGHT LBS. (KG)</th>
<th>OPERATING AMBIENT RANGE °C</th>
<th>COLD PLATE TEMPERATURE RANGE °C</th>
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* Reflects the current draw @ 120 VAC, 60 Hz input

Many options and accessories available see accessory pages.

### FEATURES

- Cools and heats (-15 °C to 90 °C & 120 °C)
- Precision machined cold plate surface
- Stainless steel threaded inserts, available (standard & custom pattern)
- Easy clean stainless steel apron
- Integral PWM temperature controller
- 100-240 VAC universal input
- Low-profile design with ergonomic sloped front
- Variable fan speed for quieter operation
- Weighs less than 14 lbs. (6.4 kg)
- Operating ambient temperature range of 0 °C to 50 °C
- Compact bench top unit, 9.8" X 10.1" footprint
- Virtually maintenance-free operation
- Painted Enameled stainless steel exterior housing
- Many standard accessories

### CONTROL FEATURES

- Integral “tunable” PWM temperature control
- PWM, Bi-directional temperature control
- 4 Temperature zone with 4 independent PID settings
- Multi-segment ramp and soak programmable
- Internal RTD sensor
- Remote Sensibility™ switchable to exterior accessory RTD sensor
- USB Communication with easy to use software
- Labview VI examples
**AHP-301CPV**

**Versatile Cold Plate - Air Cooled**

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

**COOLING CAPACITY**

82 Watts @ 0 °C DT

**PERFORMANCE CURVE**

- Cooling Capacity (BTU/HR)
- Temperature Differential (°C)

**Equation of line:**

\[ y = mT(°C) + b \quad x = \text{Capacity (Watts)} \]

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<th>Ambient Temp</th>
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<th>50°C</th>
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<td>Cold Plate</td>
<td>y=.51x-42.1</td>
<td>y=.51x-45.4</td>
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**DIMENSIONS**

- Dimensions: Inches [Millimeters]

- Cold Plate Surface
- Temperature Control
- Accessory Holes
- Tap Pattern
- Power Entry Module
- Fuse and Switch

- USB Port
- Internal/External RTD Selector
- External RTD Connector