AHP-1200MSP
Magnetic Stirring Cold/Hot Plate
Input: 100-240 VAC; Max. Power: 600 Watts

**FEATURES**
- Heating and cooling
- Unique high-performance side mounting cold plate for added cooling and uniform temperatures
- Magnetic drive for stir bars from underneath the vessel
- Magnetic stir speed range 100-1400 RPM
- Integral PWM temperature controller
- Variable speed fan for reduced noise
- Weighs less than 50 lbs. (23 kg)
- Compact bench-top design
- No compressor, fluorocarbons or filters
- Virtually maintenance-free operation
- Painted and brush finished stainless steel exterior
- Use with one of five cold shoe direct contact blocks
- Use with ICE-1200MSP Ice Bucket and Thermal Lab Beads™
  OR
- Use cold shoe and bucket together for easy beaker access
- Either cold shoe accessory or Ice Bucket accessory is required (order separately)!
- IEC 61010-2-010, IEC 61010-1, UL 61010-1, CSA C22.2#61010-1-12
- FCC 47CFR Part 15 Subpart B, EN 61326-1*BEI

**SAFETY 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

**ICE BUCKET ACCESSORY**
The ICE-1200MSP ice bucket accessory converts the AHP-1200MSP into stirring ice bucket which can cool and heat many sizes and types of vessels while mixing the contents. The stirring bead bath uses aluminum Thermal Lab Beads™ instead of water to conduct the heat away from your beaker or vial and a magnetic stir bar to stir the contents. Two liters of tecaLAB Thermal Lab Beads™ are included with the accessory.

**COLD SHOE ACCESSORY**
A cold shoe accessory converts the AHP-1200MSP into a direct contact cooler for specific diameter vessels. This provides a faster reaction time, wider temperature range (-10 °C to 50 °C) and better temperature control.

Use cold Shoe with Ice Bucket together for easy beaker removal and fixturing.

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>PART NUMBER</th>
<th>NOTES</th>
<th>VOLTAGE VAC 50/60 HZ</th>
<th>CURRENT AMPS</th>
<th>WEIGHT LB. (KG)</th>
<th>TEMP. CONTROL</th>
<th>OPERATING AMBIENT °C</th>
</tr>
</thead>
<tbody>
<tr>
<td>AHP-200MSP</td>
<td>9-35KB-1-MSP</td>
<td>Heat/Cool</td>
<td>100-240</td>
<td>6.0 - 2.5</td>
<td>26 (12)</td>
<td>TC-5300</td>
<td>0-45</td>
</tr>
</tbody>
</table>

- The AHP-1200MSP must be used with either ICE-1200MSP Ice Bucket or one of the SLV-XXXMSP Cold Shoe accessories.
- Use Cold Shoe and Ice Bucket together for easy beaker fixtureing and removal.
AHP-1200MSP with cold shoe accessory

Soft pliable Thermal Transfer Pads (TT PADS) conform to the vessel. Thermal Transfer Pads are included with the cold shoe accessories.

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>BEAKER TYPE</th>
<th>VOLUME (mL)</th>
<th>BEAKER DIAMETER (in [mm])</th>
<th>BEAKER HEIGHT (in [mm])</th>
</tr>
</thead>
<tbody>
<tr>
<td>SLV-1000MSP</td>
<td>Griffin Low Form</td>
<td>1000</td>
<td>4.25 [108]</td>
<td>6.2 [158]</td>
</tr>
<tr>
<td>SLV-1000MSP</td>
<td>Beznelius Tall Form</td>
<td>1000</td>
<td>3.5 [89]</td>
<td>7.36 [187]</td>
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<tr>
<td>SLV-1500MSP</td>
<td>Griffin Low Form</td>
<td>1500</td>
<td>4.76 [121]</td>
<td>6.5 [166]</td>
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<tr>
<td>SLV-2000MSP</td>
<td>Griffin Low Form</td>
<td>2000</td>
<td>5.16 [131]</td>
<td>7.6 [193]</td>
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<tr>
<td>SLV-3000MSP</td>
<td>Griffin Low Form</td>
<td>3000</td>
<td>5.75 [146]</td>
<td>8.5 [216]</td>
</tr>
<tr>
<td>SLV-4000MSP</td>
<td>Griffin Low Form</td>
<td>4000</td>
<td>6.3 [150]</td>
<td>9.8 [250]</td>
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<tr>
<td>SLV-5000MSP</td>
<td>Griffin Low Form</td>
<td>5000</td>
<td>6.7 [170]</td>
<td>10.6 [270]</td>
</tr>
</tbody>
</table>

AHP-1200MSP with ICE-1200MSP bucket accessory

Bucket Depth 8.6 [218] (thermal beads not shown)