LHP-1800CPV Versatile Cold/Hot Plate

Liquid Cooled
Bench Top
240 VAC Input
800 Watts

FEATURES
- Precision machined anodized aluminum cold plate surface
- Easy clean stainless steel apron
- Cools and heats (-30 °C to 90 °C & 130 °C)
- Low-profile design with ergonomic sloped front
- Easy access coolant fluid ports
- Weighs less than 55 lbs. (25 kg)
- Bench top unit, 15.2” X 19.2” footprint
- Virtually maintenance-free operation
- Painted Enameled stainless steel exterior housing
- Stainless Steel threaded inserts available
- Machinable feature plate and cover accessories

CONTROL FEATURES
- Integral PWM, Bi-directional “tunable” 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 tecaLOG software
- Labview VI examples available

SPECIFICATIONS

<table>
<thead>
<tr>
<th>MODEL</th>
<th>PART NUMBER</th>
<th>COLD PLATE</th>
<th>VOLTAGE VAC 50/60 HZ</th>
<th>CURRENT AMPS.</th>
<th>MIN. COOLANT FLOW L/MIN</th>
<th>COOLANT TEMPERATURE RANGE °C</th>
<th>COLD PLATE TEMPERATURE RANGE °C</th>
</tr>
</thead>
<tbody>
<tr>
<td>LHP-1800CPV</td>
<td>3-05KB-1-0A0</td>
<td>Smooth Surface</td>
<td>240</td>
<td>8</td>
<td>1.5</td>
<td>0 / +50</td>
<td>-30 / +90</td>
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<td>3-05KB-1-TAP</td>
<td>6-32 Tap Pattern</td>
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Options and accessories available, see CPV accessory pages.
**PERFORMANCE CURVE**

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

**COOLING CAPACITY**
800 Watts @ 0 °C $\Delta T$

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**Equation of line:** $y = \Delta T(°C) = x = \text{Capacity (Watts)}$

<table>
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<tr>
<th>Fluid Temp</th>
<th>25°C</th>
<th>10°C</th>
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<tbody>
<tr>
<td>2 L/Min</td>
<td>$y = 0.067x - 53.7$</td>
<td>$y = 0.066x - 48.4$</td>
</tr>
<tr>
<td>1 L/Min</td>
<td>$y = 0.067x - 48.8$</td>
<td>$y = 0.066x - 43.5$</td>
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**DIMENSIONS**

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**LHP-1800CPV**
Versatile Cold Plate - Liquid Cooled

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Coolant Flow Circuit