

LHP-1200CPV

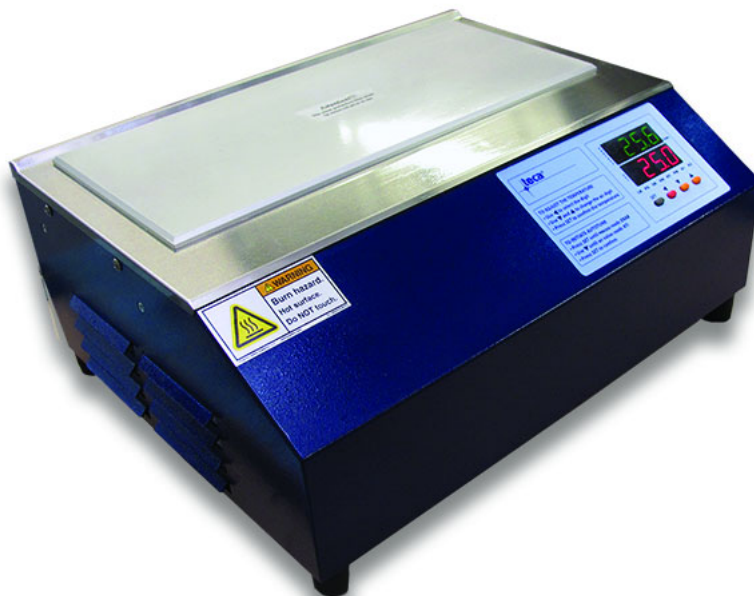
Versatile Cold/Hot Plate

Liquid Cooled
Bench Top

100-240 VAC Input
400 Watts

FEATURES

- Precision machined cold plate surface
- Easy clean stainless steel cap
- Cools and heats
- 100-240 VAC universal input
- Low-profile design with ergonomic sloped front
- 9/16-18 SAE J1926-1 Fluid ports, Female 1/4-18 NPT o-ring adapter included
- Weighs less than 30 lbs. (13.6 kg)
- Compact bench top unit, 11.2" X 15.1" footprint
- Virtually maintenance-free operation
- Painted Enameled stainless steel exterior housing
- Accessories for glassware (beaker/test tube) cooling
- Stainless Steel threaded inserts



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

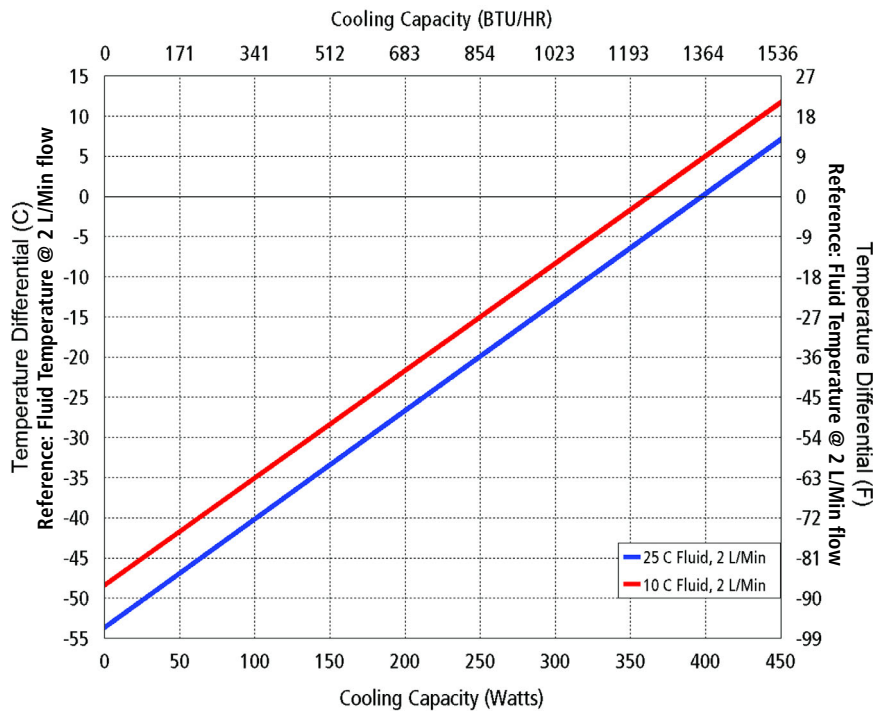
MODEL	PART NUMBER	COLD PLATE	VOLTAGE VAC (VDC)	CURRENT AMPS. 50/60 HZ	MIN. COOLANT FLOW L/MIN	COOLANT TEMPERATURE RANGE °C	COLD PLATE TEMPERATURE RANGE °C
LHP-1200CPV	3-35KB-1-0A0	Smooth Surface	100-240	8 †	1	0 / +50	-30 / +90
LHP-1200CPV	3-35KB-1-TAP	6-32 Tap Pattern	100-240	8 †	1	0 / +50	-30 / +90
LHP-1200CPV	3-35KB-1-MET	M3 Tap Pattern	100-240	8 †	1	0 / +50	-30 / +90
LHP-1200CPV	3-35KB-1-0A0	Smooth Surface	(24)	27	1	0 / +50	-30 / +90
LHP-1200CPV	3-35KB-1-TAP	6-32 Tap Pattern	(24)	27	1	0 / +50	-30 / +90
LHP-1200CPV	3-35KB-1-MET	M3 Tap Pattern	(24)	27	1	0 / +50	-30 / +90
LHP-1200CPV	3-35KB-6-0A0	Smooth Surface	100-240	8 †	1	0 / +50	-30 / +130
LHP-1200CPV	3-35KB-6-TAP	6-32 Tap Pattern	100-240	8 †	1	0 / +50	-30 / +130
LHP-1200CPV	3-35KB-6-MET	M3 Tap Pattern	100-240	8 †	1	0 / +50	-30 / +130
LHP-1200CPV	3-35KB-6-0A0	Smooth Surface	(24)	27	1	0 / +50	-30 / +130
LHP-1200CPV	3-35KB-6-TAP	6-32 Tap Pattern	(24)	27	1	0 / +50	-30 / +130
LHP-1200CPV	3-35KB-6-MET	M3 Tap Pattern	(24)	27	1	0 / +50	-30 / +130
LHP-1200CAS*	3-35KB-1-CAS*	Tap Pattern	100-240	8 †	1	0 / +50	-30 / +90
LHP-1200CAS*	3-35KB-6-CAS*	Tap Pattern	100-240	8 †	1	0 / +50	-30 / +130

* 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 next page for information on cascade options.

† Reflects the current draw @ 120 VAC, 60 Hz input

Many options and accessories available, see CPV accessory pages.

PERFORMANCE CURVE



Equation of line: $y = \Delta T(^{\circ}\text{C})$ $x = \text{Capacity (Watts)}$			
Fluid Temp	25°C	10°C	
2 L/Min	$y = .135x - 53.7$	$y = .133x - 48.4$	
1 L/Min	$y = .135x - 48.8$	$y = .133x - 43.5$	

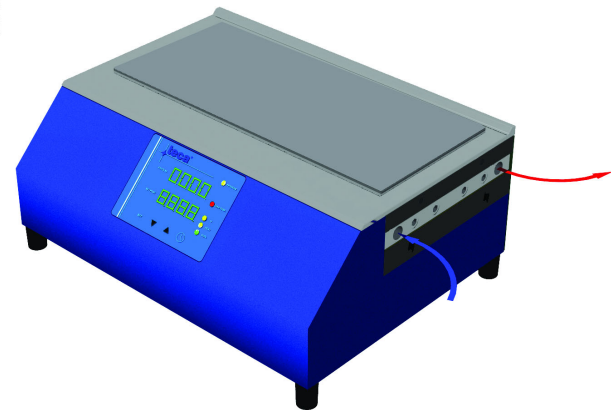
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ENVIRONMENTS

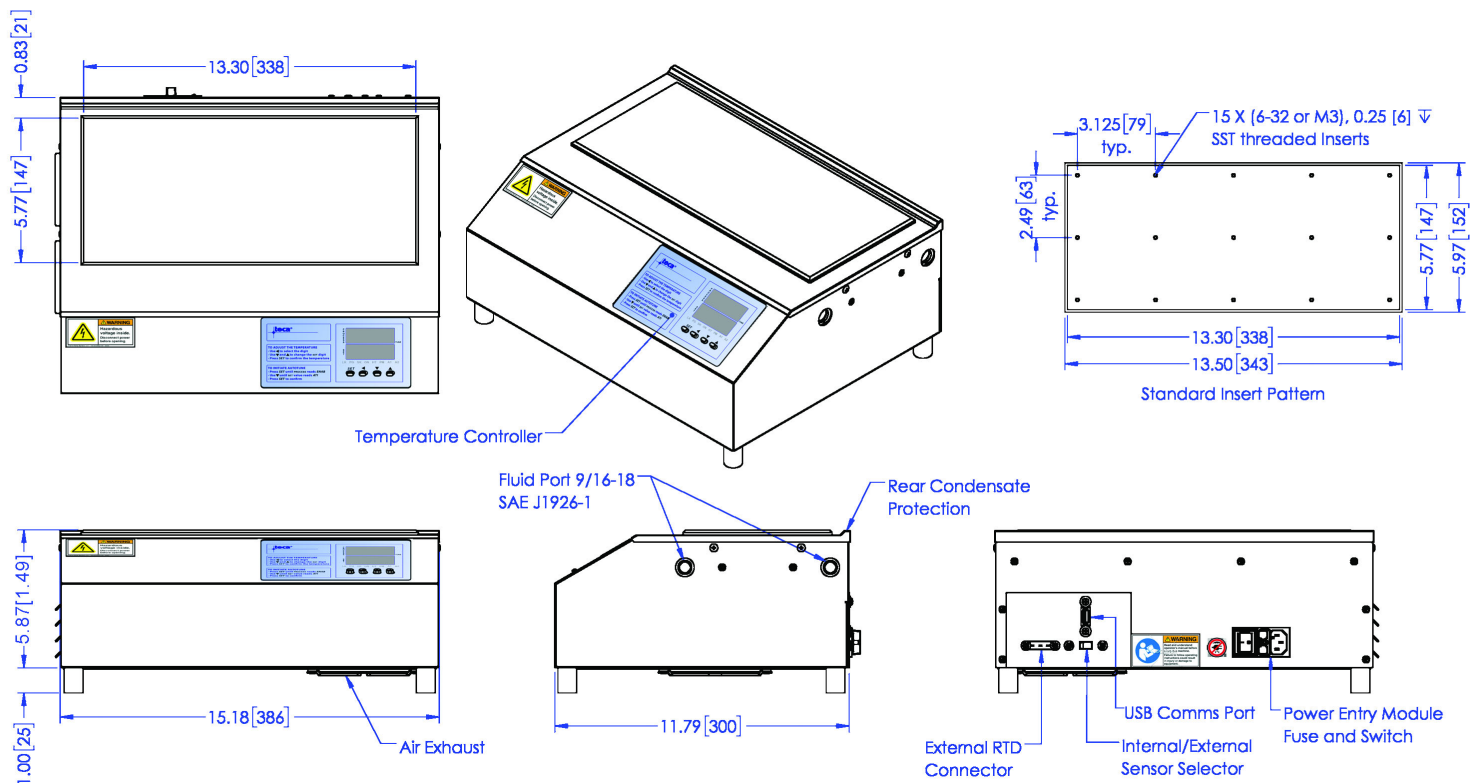
Bench top
Laboratory
Industrial

COOLING CAPACITY

400 Watts @ 0 °C ΔT



DIMENSIONS



Dimensions: Inches [Millimeters]