

AHP-1800CPV

Versatile Cold/Hot Plate

Air Cooled
Bench Top

100-240 VAC Input
400 Watts

FEATURES

- Cools and heats (-20 °C to 90 °C)*
- Precision machined anodized aluminum cold plate surface (~ 1100 cm² surface area, flat within +/- .005 cm)
- Stainless steel threaded inserts available (standard & custom patterns)
- Easy to clean stainless steel apron
- Integral PWM temperature controller
- 100-240 VAC universal input
- Low-profile design with ergonomic sloped front
- PWM controlled fan for quieter operation
- Weighs less than 50 lbs. (22.7 kg)
- Operating ambient temperature range of (0 °C to 50 °C)
- Compact bench top unit, 19.2" X 15.2" footprint
- Virtually maintenance-free operation
- Painted Enameled stainless steel exterior housing
- Many accessories available



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	NOTES	PLATE CONFIGURATION	PERFORMANCE RATING WATTS	VOLTAGE VAC 50/60 HZ	CURRENT AMPS.	WEIGHT LBS. (KG)	OPERATING AMBIENT °C
AHP-1800CPV	9-04KB-1-0A0	Heat/Cool	Smooth Surface	400	100-240	5.0-2.5	50 (22.7)	0-50
AHP-1800CPV	9-04KB-1-TAP	Heat/Cool	6-32 Tap Pattern	400	100-240	5.0-2.5	50 (22.7)	0-50
AHP-1800CPV	9-04KB-1-MET	Heat/Cool	M3 Tap Pattern	400	100-240	5.0-2.5	50 (22.7)	0-50

For custom threaded inserts and hole patterns contact TECA

Many options and accessories available, see CPV accessory pages

*Under the right conditions

AHP-1800CPV

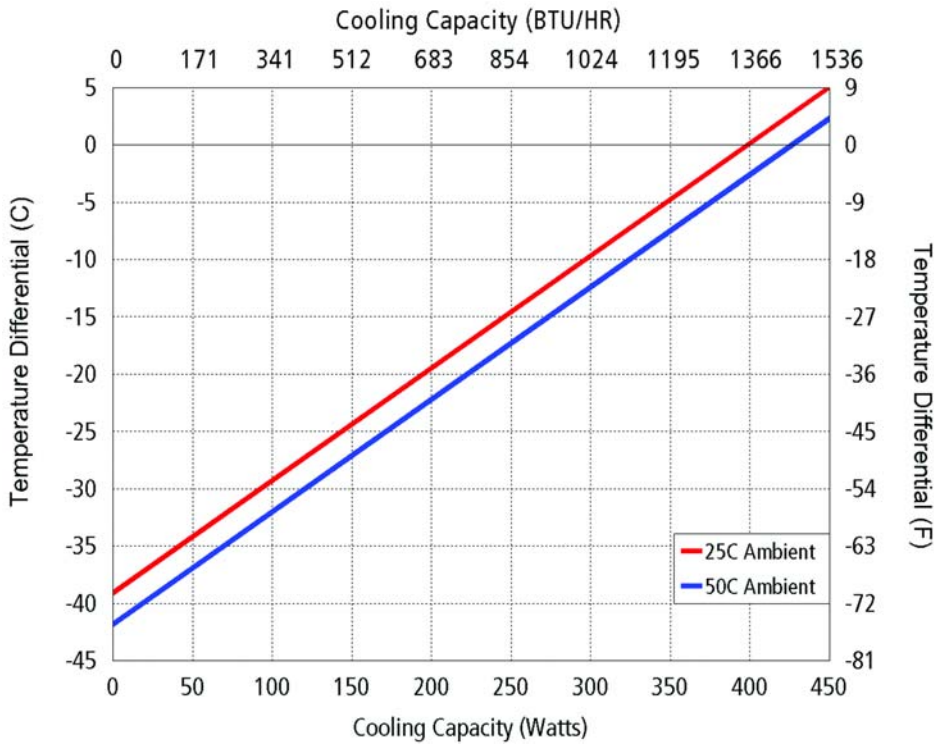
ENVIRONMENTS

- Bench top
- Laboratory
- Industrial

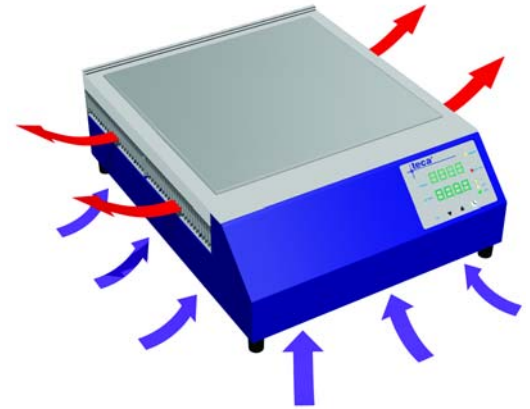
COOLING CAPACITY

400 Watts @ 0 °C ΔT

PERFORMANCE CURVE



Equation of line: $y = \Delta T(^{\circ}C)$ $x = \text{Capacity (Watts)}$		
Ambient Temp	25°C	50°C
Cold Plate	$y = .098x - 39.1$	$y = .098x - 41.8$



Ambient Air Path

DIMENSIONS

