AHP-5400CPV | Versatile Cold/Hot Plate

Air Cooled
Bench Top

240 VAC Input
1100 Watts

FEATURES

- Cools and heats (-20 °C to 90 °C)
- Precision machined anodized aluminum cold plate surface (~ 5175 cm^2 surface area, flat within +/- .005 cm) (~ 802 in^2 [5.5 ft^2] surface, flat within +/- .002 in)
- Stainless steel threaded inserts available (standard or custom pattern)
- Easy to clean stainless steel apron
- Embedded RTD sensor array for average plate temperature or use center RTD only
- Low-profile design with ergonomic sloped front
- PWM controlled fans for quieter operation
- Operating ambient temperature range of (0 °C to 50 °C)
- Bench top unit, 35.7" X 30.3" footprint
- Virtually maintenance-free operation
- Painted Enameled stainless steel exterior housing
- Weight 150 LBS.

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 single RTD sensor and four RTD array, built into the cold plate
- Remote Sensibility™ switchable to exterior accessory RTD sensor
- USB communication with easy to use software
- Labview VI examples available

OPTIONS/ACCESSORIES

- Standard and custom tap patterns
- Clear acrylic hinged cover
- Accessory plate for customizationand machning

SPECIFICATIONS

MODEL	PART NUMBER	NOTES	PLATE CONFIGURATION	PERFORMANCE RATING WATTS	VOLTAGE VAC 50/60 HZ	CURRENT AMPS.	OPERATING AMBIENT °C
AHP-5400CPV	9-P5KB-1-0A0	Heat/Cool	Smooth Surface	1100	240	12	0-50
AHP-5400CPV	9-P5KB-1-TAP	Heat/Cool	10-32 Tap Pattern	1100	240	12	0-50
AHP-5400CPV	9-P5KB-1-MET	Heat/Cool	M5 Tap Pattern	1100	240	12	0-50

For custom threaded inserts and hole patterns contact TECA

Versatile Cold Plate - Air Cooled

AHP-5400CPV

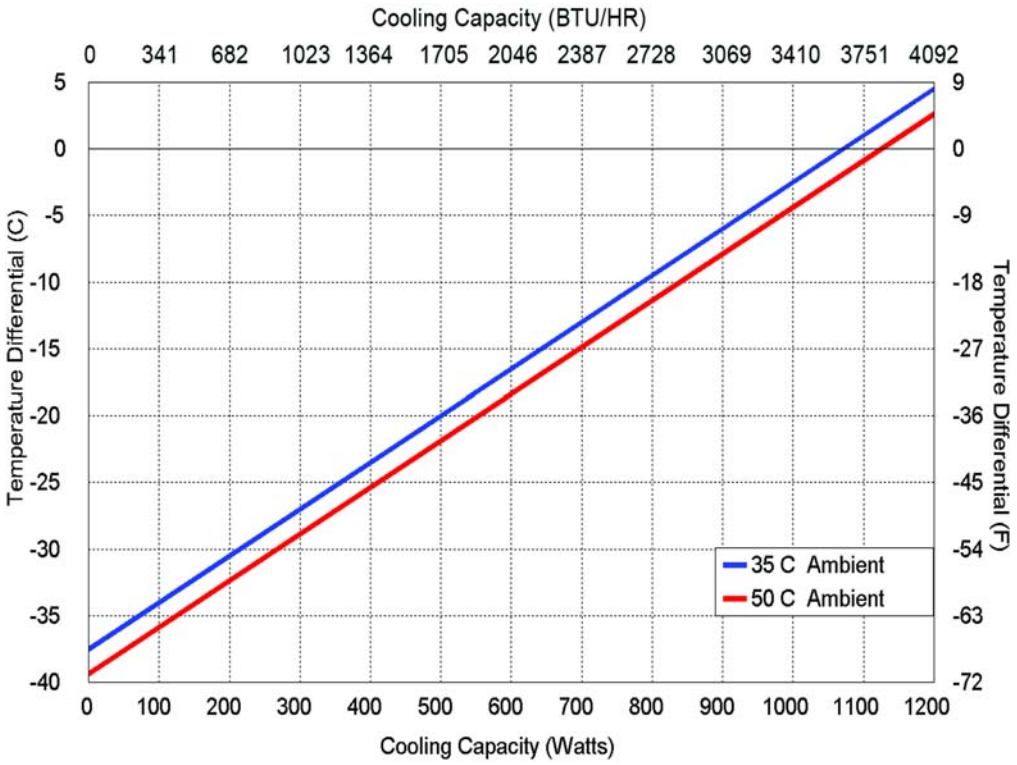
ENVIRONMENTS

Bench top
Laboratory
Industrial

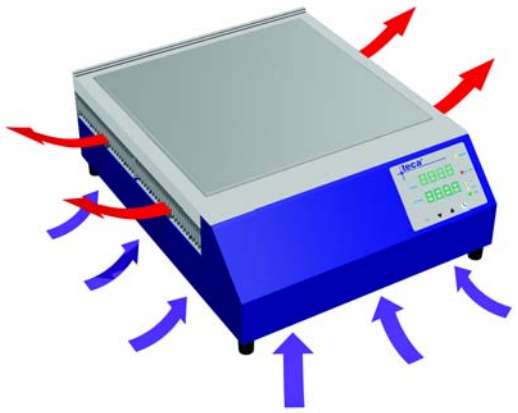
COOLING CAPACITY

1100 Watts @ 0 °C ΔT

PERFORMANCE CURVE



Equation of line: y=ΔT(°C) x=Capacity (Watts)		
Ambient Temp	**25°C**	**50°C**
Cold Plate	y=.035x-37.5	y=.035x-39.1



Ambient Air Path

DIMENSIONS