

# THERMOCUBE

Customizable Thermal Stability for Laser, Medical and Lab



## Semi-Custom Chiller for Your Unique Application

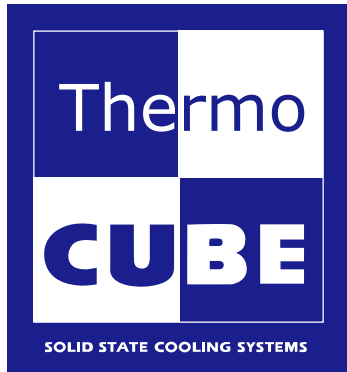
- Up to 500 Watts
- 9 pump choices
- 8 inlet/outlet fitting choices
- 2 fan choices
- 16 other standard options



**Solid State**  
**COOLING SYSTEMS**  
*Temperature Control...Precisely.*

# The Right Temperature Without Fail

## Solid State Cooling Systems

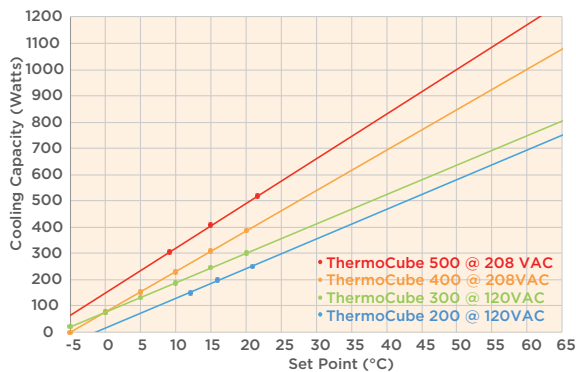


### Compact, refrigerant-free and ultra-reliable thermoelectric technology

Available in 200, 300, 400 and 500 Watt capacities, ThermoCube delivers whisper-quiet, vibration-free thermal control to  $\pm 0.05$  °C, even near ambient. Built on a core of thermoelectric modules with lifetimes exceeding 200,000 hours, it also offers worldwide power compatibility with its standard, universal power input. Our variable voltage power control means you efficiently draw power only as you need it.

ThermoCube has many options and was designed for customization. It's air cooled, so it can operate in any lab or office.

#### THERMOCUBE 200-500 COOLING CURVES 20°C AMBIENT AIR TEMP



Note - Cooling Capacity will vary with configuration

### SPECIFICATIONS

<b>Operating Range</b>	+5 to 50 °C standard range (down to -5 °C with low temp option) (up to 65 °C with high temp option)
<b>Ambient Temperature</b>	10 °C to 40 °C non-condensing
<b>Repeatability</b>	$\pm 0.05$ °C (even near ambient)
<b>Cooling Capacity</b>	200-500 Watts @ 20°C (20°C ambient) depending on model and configuration
<b>Noise (at 1 meter)</b>	<63 dBA (60 and 49 dBA options available)
<b>Coolant/Process Fluid</b>	Koolance (27% propylene glycol/water mix) or 27-50% ethylene glycol/water mix. HFE or Fluorinert/Galden options available.
<b>Process Fluid Fittings</b>	1/4" John Guest standard, many options
<b>Pumps</b>	9 pump choices, see pump curves
<b>Wetted Materials</b>	Aluminum cold plate (Copper or Stainless Steel option available)
<b>Size (L x W x H)</b>	13" x 11.0" x 13" (32 x 28 x 32 cm)
<b>Weight</b>	28 lbs. (12.7 kg) (with basic options)
<b>Power Input</b>	Universal: 100-240 VAC, 50/60 Hz, 7-5 amp max
<b>Communications</b>	Keypad or RS232 optional
<b>Alarms</b>	Temperature, fluid level, component or system failure (display and RS323 option)
<b>Standards</b>	TUV listed UL, CAN/CSA and EN 61010-1, CE 61010-1 (RoHS option available)
<b>Warranty</b>	2 years (diaphragm pumps are 1 year)

#### THERMOCUBE PUMP CURVES

