

THERMOCUBE

Customizable Thermal Stability for Laser, Medical and Lab

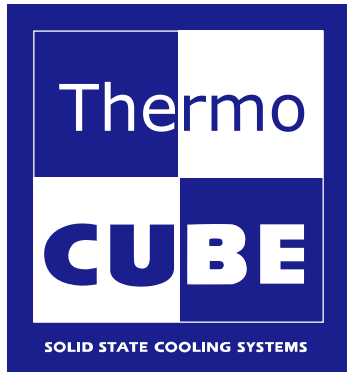


Semi-Custom Chiller for Your Unique Application

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

The Right Temperature Without Fail

Solid State Cooling Systems

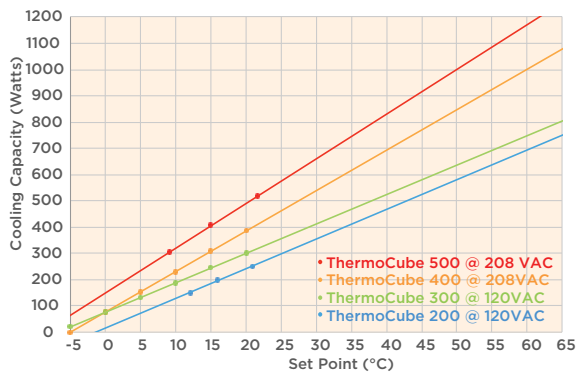


Compact, refrigerant-free and ultra-reliable thermoelectric technology

Available in 200, 300, 400 and 500 Watt capacities, ThermoCube delivers whisper-quiet, vibration-free thermal control to ± 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

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

THERMOCUBE PUMP CURVES

