SOLID STATE RECIRCULATING CHILLER

ThermoTek PRODUCT REVIEW

T255P

The T255P®Chiller is 50% smaller and lighter than a compressor unit with similar capacity. The *ThermoTek*®recirculating chiller offers precise temperature control from -5°C to 45°C with a stability \pm 0.1°C. The T255P®combines thermoelectric technology with improved electronics that provides both heating and cooling with high reliability.

Our patented power supply and thermoelectric design enables our systems to be the most economical and reliable products on the market. Smart electronics and active control within the T255P®uses only the minimum required power to maintain the desired temperature. This product is tested to UL Standard 60601-1, CSA 22.2 and is CE listed per Directive 2006/95/EC. Applications include Electronic, Optoelectronic, Industrial and Semiconductor.

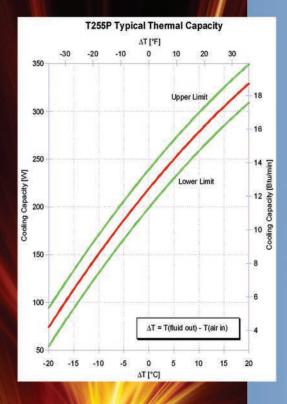
Features

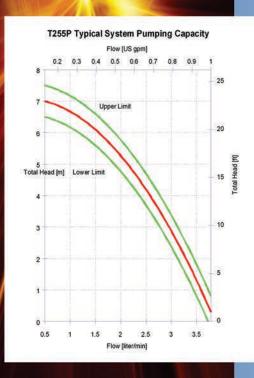
- * Lightweight, portable
- * User friendly interface
- * Universal power input
- * Low power consumption
- * Solid-state technology (no compressor)
- * Environmentally friendly
- * Leak-free disconnects
- Quiet operation
- * RS-232 interface and computer software
- * Non-volatile memory set temperature
- * Wide temperature range



THERMOTEK

ThermoTek PRODUCT REVIEW





SOLID STATE RECIRCULATING CHILLER

Note: The performance of the chiller is based on recirculating water with a 0.6 gpm flow. Individual applications will affect chiller performance. All applications must be approved by ThermoTek. Specifications subject to change without notice.

Equipment Specifications

Recommended Coolants:

Option 1 - Distilled water

Option 2 - 95% distilled water and 5% alcohol mixture

Option 3 - 80% distilled water and 20% inhibited Glycol for

set temperature below 5°C

Cooling Capacity: 210 watts with set point at ambient temperature

Pump & Fan Configuration: 12V brushless motor

Centrifugal Pump: 1.0 US gpm (3.8 liter/min) open flow water

System Fluid Capacity: 15oz (444 ml)

Heating/Cooling Function: Yes

Minimum Flow: 0.2 US gpm (0.76 liter/min.)

Dimensions: 15.2"T x 10.9"D x 8" W (386mm T x 277mm D x 203mm W)

Refrigerant: None

Temperature Range: 5°C to 45°C (Coolant Option 1 and 2)

-5°C to 45°C (Coolant Option 3)

Weight: (w/o fluid): 19.4 lbs (8.8 kg) Shipping Weight: 23.2 lbs (10.5 kg) Power Consumption: 625 watts max

Input voltage (Nominal): 100-240 VAC 50/60 Hz

Input Voltage (Nominal): 85-264 VAC 50/60 Hz

Stability: ± 0.1 °C @ 0.6 US gpm flow, constant load at constant ambient

temperature (not to exceed system capacity)

Max Current: 7.5 Amps RS232 Interface: Yes

Ambient Operating Range: 10°C to 40°C (50°F to 104°F). Indoor Use Only

See our additional Chiller options on our website: www.thermotekusa.com

ThermoTek, Inc. has been a leader in the industry for more than twenty years. With our innovative designs for precision thermal management solutions and numerous patents on our technology, we continue to push the envelope with new and creative product offerings.

