



RECIRCULATING CHILLER TT-RC1200

Recirculating Chiller TT-RC1200 uses a TECUMSEH compressor for efficient, quiet cooling. Using PID and EEV tech, our system ensures stability. Safety features include over-temperature protection and alarms for abnormal liquid levels. The LCD screen displays key operational data.

APPLICATIONS

- **Analytical Instruments:** Precise cooling for rotary evaporators, gas analyzers, spectrometers, and electron microscopes.
- **Pharmaceutical & Biotech:** Stable temperature control during fermentation, drug formulation, and sample storage processes.
- **Chemical Processing:** Accurate thermal regulation for laboratory reactors, pilot plants, and industrial testing setups.
- **Electronics & Semiconductor:** Thermal management for chip fabrication, laser systems, and device reliability testing.
- **Food & Beverage Research:** Controlled cooling for product development, formulation, and quality assurance testing.
- **General R&D Laboratories:** Reliable cooling performance for experiments requiring stable and precise temperature control.

FEATURES

- We use a TECUMSEH compressor for the cooling system to ensure efficiency and noise reduction.
- Our cooling method employs PID temperature control technology, which differs from the traditional start-stop type. EEV technology enhances stability.
- To safeguard against damage due to abnormal liquid temperatures, our refrigeration control system includes over-temperature protection and an automatic alarm function.
- There's a water level observation window and an automatic detection device for low liquid levels, triggering an alarm when needed.

- We've incorporated a water current detection device that automatically switches the internal cycle if the external cycle is closed or blocked.
- Our high-performance circulating water pump ensures prolonged continuous operation, with excellent sealing to prevent leaks. The pump pressure can be adjusted from 0-1.5 bar using a rotary knob, and the pressure value is displayed.
- The color LCD screen displays extensive running data and dynamic identifiers, making it easy to monitor operations.

TECHNICAL SPECIFICATIONS

Model	TT-RC1200
Temperature control range	5°C□ 40°C
Temperature control	HOT gas by-gas and PID combined
Temperature stability	±0.3 °C
Temperature sensor	PT100
Display resolution	0.1 °C
Pump flow rate	20L/min
Cooling capacity	1.2Kw
Refrigerant	R134a
Pump Pressure	0-1.5 bar, adjustable
Pumping head	15m
Volume	8L
Dimensions LxWxH	21.65 inches x 15.75 inches x 25.59 inches.

Power supply	220 VAC $\pm$ 10% 50Hz (110V is also available. Please specify when ordering)
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