



TORONTECH

RECIRCULATING CHILLER DL-400



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Recirculating Chiller DL-400 serves as an external cooling source, specifically designed for small rotary evaporators, though it can also be paired with other equipment.

APPLICATIONS

The Torontech DL-400 is a compact recirculating chiller engineered to provide dedicated, high-efficiency cooling for small-scale laboratory equipment. Its primary application is to serve as the external cooling source for small rotary evaporators, ensuring the efficient condensation and recovery of solvents, which is critical for maximizing yield and ensuring operational safety.

This compact and dedicated cooling is essential for precision and efficiency in:

- **Pharmaceutical & Chemical R&D:** To provide the essential cooling for laboratory-scale rotary evaporators, ensuring efficient solvent stripping, sample concentration, and solvent recycling during synthesis and purification processes.
- **Academic & Teaching Laboratories:** As a simple, reliable cooling solution for student workstations, supporting fundamental chemistry experiments such as distillation, reflux, and rotary evaporation in a safe and controlled manner.
- **Quality Control & Analytical Labs:** For maintaining precise temperature control of small analytical instruments like viscometers, densitometers, or for cooling condensation traps in various QC testing procedures.
- **Biotechnology & Sample Preparation:** To provide localized cooling for small-scale sample preparation equipment, such as jacketed beakers or small extraction systems, protecting thermally sensitive biological compounds from degradation.

TECHNICAL SPECIFICATIONS

Specification	Details
Model	DL-400

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Temperature Range	-15~25°C
Temperature Stability	±2°C
Ambient Temperature	5~35°C
Cooling Method	Air cooling
Cooling Capacity	0°C: 0.4 kW
Refrigerant	R134A
Rated power of the pump	0.2 bar
Rated flow rate of the pump	17 L/min
Outer Circulation Interface Size	OD Φ10 Pagoda type
Reservoir Capacity	3 L
Dimensions (W × D × H)	260 × 410 × 550 mm
Net Weight	26 kg
Protection Grade	IP20
Voltage	220-240 V~, 50 Hz (110V is also available)
Overall Power	0.45 kW



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