PRODUCT DATASHEET

Laboratory Recirculating Chiller and Heating Circulator

Benchtop recirculating chillers and heating circulators for laboratory equipment

Product page





Close-up: refrigerated circulator controller with insulated hoses to a jacketed glass vessel

OVERVIEW

The Tech Inc. Laboratory Recirculating Chiller and Heating Circulator holds laboratory equipment at a set temperature by circulating a fluid through it. The refrigerated circulator cools and heats a bath and pumps the fluid to jacketed glass reactors, condensers, rotary evaporators, viscometers and test cells; the heating circulator does the same for hot duties.

TYPICAL DESIGN DATA

Temperature range	Set by the unit type and the bath fluid
Control	Controller with programs; internal or external sensor control
Pump	Pressure and suction pump for closed external circuits
Codes and standards	CE marking
Protection	Over-temperature and low-level protection
Fluids	Water, water/glycol, or silicone fluid for wider ranges
Construction	Benchtop or floor-standing housings

MODELS AND CAPACITIES

- **TI-RCC-R** – refrigerated circulator
- **TI-RCC-C** – recirculating chiller
- **TI-RCC-H** – heating circulator

Circulators are matched to the equipment, temperature range and fluid.

ORDERING CODE

Example **TI-RCC-R-20**: **R** type: R refrigerated circulator, C chiller, H heating circulator; **20** bath volume in litres.

SCOPE OF SUPPLY

Included: factory acceptance test with a written report; drawings for approval, material certificates and manual. **Options:** external Pt100 sensor; interface to your laboratory software; bath fluids; jacketed glass reactor.

KEY ADVANTAGES

- **Cool and heat** – one refrigerated circulator for both
- **External control** – sensor in the sample
- **Programs** – ramps and holds run unattended
- **Protected** – over-temperature and low-level protection

Designed and built by Tech Inc. · **Part of the Davey Group since 1990**

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