

The NESLAB RTE Series of refrigerated baths offers excellent value for both external circulation and in-bath applications. Each bath has a small footprint to save valuable space in the laboratory. The RTE Series' design accommodates large samples and/or multiple samples, and the units' high cooling capacities up to 700 Watts meet a variety of application needs.

#### Key NESLAB RTE Series Features:

- To save on utility costs, the controller automatically ensures that each bath performs at peak when required and operates on energy saver mode otherwise
- Strong pump circulates long distances or to open or closed containers
- Precise temperature stability for repeatable results
- Full range cooling allows the compressor to operate over the entire temperature range
- Nitrogen purge port minimises moisture during low temperature operation
- Reservoir drain for quick and tidy fluid changes
- Quick release front grill for easy condenser cleaning
- Certifications for all units include UL listing, CSA and CE



#### Simple or Feature-Rich Control Options. Digital One easy-to-use controls

- Bright LED digital display
- User selectable resolution of 0.1°C or 0.01°C
- User adjustable low and high temperature alarm limits
- Automatic reservoir refill port
- Low reservoir fluid level shut-off
- User selectable fault conditions
  - Continuous run with visual alert
  - Shut down with visual alert



#### Digital Plus advanced features to optimise your system

All the features of the Digital One plus the following:

- Remote sensor port
- RS-232 and RS-485 communication ports



#### Typical Applications:

Lasers  
Condensers

Rotary evaporators  
Reaction vessels  
Calibration

Analytical instrumentation  
Gel electrophoresis

### Specifications

Cat No.	RTE-7	RTE-10	RTE-17	RTE-740
Temperature Range	-25°C to + 150°C	-25°C to + 150°C	-25°C to + 150°C	-40°C to + 200°C
Stability	±0.01°C	±0.01°C	±0.01°C	±0.01°C
Cooling Capacity	500 Watts at 20°C	500 Watts at 20°C	700 Watts at 20°C	500 Watts at 20°C
Heater	2,000 Watts	2,000 Watts	2,000 Watts	2,000 Watts
Pumping Capacity	15 lpm at 0' head, 16' max	15 lpm at 0' head, 16' max	15 lpm at 0' head, 16' max	15 lpm at 0' head, 16' max
Bath Volume ltrs (gal)	7 (1.9)	10 (2.6)	17 (4.5)	7 (1.9)
Dimensions (H x W x D ) mm	600 x 235 x 445	600 x 289 x 479	676 x 289 x 479	676 x 289 x 479
Work Area (H x W x D ) mm	168 x 183 x 152	224 x 239 x 152	224 x 239 x 229	168 x 183 x 152
Power Requirments Volts / Hz	230 V, 50 Hz, 12A	230 V, 50 Hz, 12A	230 V, 50 Hz, 12A	230 V, 50 Hz, 12A

### Ordering Information

Cat No.	Description
RTE-7	RTE-7 refrigerated bath chiller, 7 litres
RTE-10	RTE-10 refrigerated bath chiller, 10 litres
RTE-17	RTE-17 refrigerated bath chiller, 17 litres
RTE-740	RTE-740 refrigerated bath chiller, 7 litres

Stability, pump and cooling capacity specifications to +5°C determined using water, other specifications determined using fluid with specific heat of 0.6, ambient 20°C. Never use flammable fluids. Reservoir volume measured to midpoint of designated fill lines. Work area measured to reservoir top. Specifications subject to change.

### Bath Accessories

The RPC remote controller is available to monitor, maintain and change temperatures within baths. Multi-step programming capabilities are an option. Other bath accessories include the following:

- Automatic reservoir refill system
- Reservoir anti overflow device
- Remote sensor
- Test tube racks
- Depth-reduction shelves
- FTC350 Flow Through Cooler to operate baths/circulators below ambient temperatures
- Ground fault circuit interrupters
- Leveling device

### RTE Cooling Capacity

