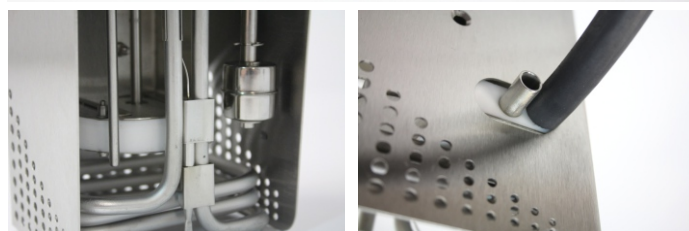
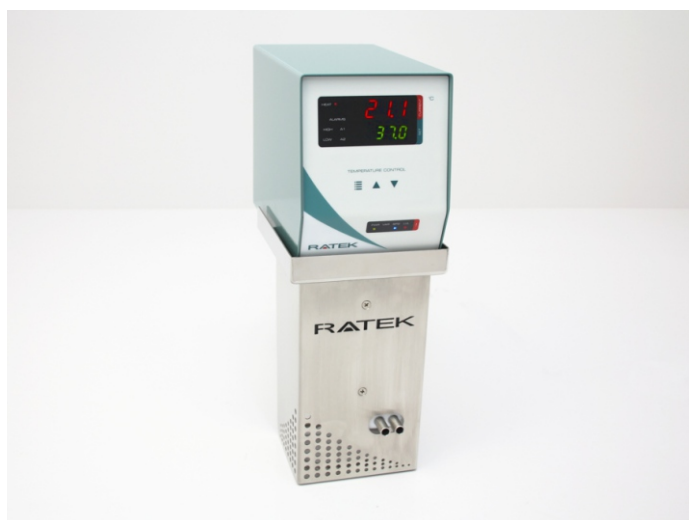


RATEK DIGITAL IMMERSION CIRCULATORS

- Wide Range of Models Available
- Precision Temperature Control & Stability
- Multi-Level Safety Features
- Simple to Operate
- Universal Mounting Options



Australia's Best Range of Immersion Circulators Just Got Better !

With a model to suit every application, the THx000 range of immersion circulators from Ratek delivers precise temperature control with the simplicity and legendary Ratek reliability you've come to expect from Australia's leading brand. All models feature accurate digital PID control, including the entry level TH7000 right through to the top of the range fully programmable TH8500. A long list of new features has been added to the range, including an adjustable mounting system with retort option, adjustable high-flow pump, dual-line digital display, improved accuracy and stability plus a simplified user interface.

Supported by Ratek's unparalleled local support and service plus 3 year parts warranty, the THx000 range from Ratek makes choosing your next immersion circulator simple.

- High-Flow Circulator & Dual-Outlet Pump Options
- Programmable Ramp/Soak Option
- 1 kWatt and 2.2 kWatt Heating Options

Need a Matching Bath ?

To accompany the THx000 circulators, Ratek offer the IT700, IT1100 and IT2400 modular insulated water bath range for best performance. Available in 7, 11 and 24 Litre capacities, all baths feature rugged stainless steel tank and case, with durable powder coated finish and a range of bridge, tap and lid options. The insulated construction ensures the THx000 range will deliver outstanding temperature uniformity and stability every time.



From basic circulation to advanced profiling, all options are covered

KEY FEATURES

| Feature | | Applicable Models |
|------------------------------------|--|--|
| Large Dual-Line Bright LED Display | Displays both set temperature and current temperature simultaneously, allowing easy visibility from the other side of the lab. | TH8000, TH8200, TH8500 |
| High-flow Adjustable Pump | High flow rate of 17 L/min ensures temperature uniformity in large baths, with adjustable flow rate for gentler circulation in small baths. The dual-outlet design allows for external circulation/pump-out whilst the bath is also circulated for temperature uniformity. | TH7100, TH7300, TH8000, TH8200, TH8500 |
| Adjustable Mounting Clamp | The mounting clamp can be adjusted to fit virtually any bath, with a clamping range of between 0 and 63 mm tank width. The clamp also features a mounting boss to suit a retort stand fixing to allow the unit to be suspended over a bath at a specific depth. | All models |
| Set-Point 2 Preset Mode | The most commonly used temperature can be programmed and then accessed with the flick of a switch without re-keying | TH8000, TH8200 |
| Ramp/Soak Programming | Allows the operator to enter multiple temperature set points and ramp rates over time which are automatically adjusted by the circulator, giving the user complete unattended control of both simple and complex temperature profiles. | TH8500 |
| Audible Alarms | On low water level or over-temperature conditions, the operator is alerted anywhere in the lab that the unit requires attention | TH8000, TH8200, TH8500 |

MODEL COMPARISON



| | TH7000 | TH7100 | TH7300 | TH8000 | TH8200 | TH8500 |
|--|---------------------|-----------------|------------------|----------------------|----------------------|----------------------|
| Temperature Control Type | Digital PID | Digital PID | Digital PID | Advanced Digital PID | Advanced Digital PID | Advanced Digital PID |
| Digital Display Type | Single-line LED | Single-line LED | Single-line LED | Dual-line LED | Dual-line LED | Dual-line LED |
| Temperature Control Range | 0°C to 100.0°C | 0°C to 100.0°C | -30°C to 150.0°C | -30°C to 100.0°C | -30°C to 100.0°C | -30°C to 100.0°C |
| Set-Point 2 Preset Mode | - | - | - | Yes | Yes | - |
| Ramp/Soak Programming | - | - | - | - | - | Yes |
| Control Stability (in Ratek bath with lid) | +/- 0.1°C | +/- 0.1°C | +/- 0.1°C | +/- 0.02°C | +/- 0.02°C | +/- 0.02°C |
| Heating Power | 1,000 Watts | 1,000 Watts | 1,000 Watts | 1,000 Watts | 2,200 Watts | 2,200 Watts |
| Minimum Tank Depth | 200 mm | 200 mm | 200 mm | 200 mm | 200 mm | 200 mm |
| Circulator Type | Non-splash Impeller | Adjustable Pump | Adjustable Pump | Adjustable Pump | Adjustable Pump | Adjustable Pump |
| External Pump-out/Recirculation | - | Yes | Yes | Yes | Yes | Yes |
| User Configurable Over-temp Alarm | Visual | Visual | Visual | Audible & Visual | Audible & Visual | Audible & Visual |
| User Configurable Under-temp Alarm | - | - | - | Visual | Visual | Visual |
| Low-level Alarm | - | - | - | Audible & Visual | Audible & Visual | Audible & Visual |
| Low-level Cutout | - | - | - | Yes | Yes | Yes |
| Control Over-temp Cutout | - | - | - | Yes | Yes | Yes |
| Boil-dry Protection | User Resettable | User Resettable | User Resettable | User Resettable | User Resettable | User Resettable |
| Element Guard | - | Yes | Yes | Yes | Yes | Yes |
| Replaces Model | TH6C | TH6P | TH5-150 | TH5 | TH5-2KW | N/A - New Model |