



- Precision Digital PID Control
- Large Dual Line Digital Display
- Audible Alarms
- High-Flow Dual-Outlet Pump
- Low Water Level Alarm and Cut-Out
- Fully Enclosed Element Guard

Advanced Control and Performance

The TH8000 immersion heater circulator provides precision temperature control via its large user-friendly dual-line interface. It features excellent stability of $\pm 0.02^{\circ}\text{C}$ in a Ratek insulated tank and features a powerful adjustable 17 L/min pump with dual outlets for external pump-out where required whilst the high-flow pump ensures uniform temperatures in even the largest of baths.



SPECIFICATIONS

TH8000	
Temperature Control	Advanced digital PID with fuzzy logic
Digital Display Type	Dual-line active bright LED
Information Display	<ul style="list-style-type: none"> • Current & set temp displayed concurrently • Over & under temp alarm set-point • SP2 preset set-point • Low water level indicator • Heating indicator • Operating mode indicator • 0.1° resolution
Temperature Control Range	-30°C to 100.0°C , (external cooling required for ambient $+7^{\circ}\text{C}$ or less)
Control Stability	$\pm 0.02^{\circ}\text{C}$ in a Ratek insulated bath with lid
Heating Power	1,000 Watts
Minimum Tank Depth	200 mm
Pump	Adjustable flow rate up to 17 L/min at 0 head, with pump-out facility, removable for cleaning
Alarm	<ul style="list-style-type: none"> • Audible & visual over-temp with cut-out • Audible & visual low level with cut-out • Visual under-temp indicator
Safety features	<ul style="list-style-type: none"> • Resettable safety thermostat • Low water level cut-out • Over-temp cut-out • Over-current protection • Fully enclosed element guard
Power input	240 VAC / 50-60 Hz
Overall dimensions	W125 x D190 x H360mm
Nett weight	4.9 kg

The large bright dual-line LED display is easily visible from any angle and makes it easy to monitor your application from anywhere in the lab. The TH8000 features an adjustable preset mode for commonly set temperatures, as well as a host of safety features including low-level alarm and cut-out, over and under temperature alarms as well as a manually resettable failsafe thermostat.

With a 1 kW heating element, the TH8000 is ideal for heating smaller baths and delivers excellent temperature stability. The TH8000 is also suitable for use in larger baths where only lower operating temperatures are required, and is designed to work in conjunction with a Ratek cooling system to produce accurate repeatable temperatures below ambient.

The TH8000 is whisper quiet, very simple to operate, is loaded with features and like all Ratek equipment is built to last.

RELATED PRODUCTS

Product Code	Description
IT700, IT1100, IT2400	Powder-coated stainless steel insulated baths with optional TH bridge, lids, re-circulation ports and drain taps. Designed for TH8000.
IT-CUSTOM	Custom made stainless steel or chemical resistant plastic baths, made to size with options for TH bridge, lids, re-circulation ports and drain taps.

AUSTRALIAN
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3 YEAR
PARTS WARRANTY



Quality
ISO 9001
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