



- Programmable Ramp/Soak Control
- Up to 9 Program Storage
- Large Dual Line Digital Display
- Precision Digital PID Control
- High-Flow Dual-Outlet Pump
- Low Water Level Alarm and Cut-Out

### Temperature Profiling with Advanced Control

The TH8500 immersion heater circulator provides precision temperature control with advanced ramp/soak functionality. Up to 9 programs with a total of 288 segments can be programmed to allow complete control over your temperature profile. With excellent temperature stability of +/- 0.02°C in a Ratek insulated tank, the TH8500 also features a powerful adjustable 17 L/min pump which ensures uniform temperatures in even the largest of baths.



### SPECIFICATIONS

TH8500	
Temperature Control	Advanced digital PID with fuzzy logic
Digital Display Type	Dual-line active bright LED
Information Display	<ul style="list-style-type: none"> <li>• Current &amp; set temp displayed concurrently</li> <li>• Over &amp; under temp alarm set-point</li> <li>• Low water level indicator</li> <li>• Heating indicator</li> <li>• Run/hold indicator</li> <li>• Ramping/idling indicator</li> <li>• 0.1° resolution</li> </ul>
Temperature Control Range	-30°C to 100.0°C, (external cooling required for ambient +7°C or less for stable temperature control)
Control Stability	+/- 0.02°C in a Ratek insulated bath with lid
Heating Power	2,200 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"> <li>• Audible &amp; visual over-temp with cut-out</li> <li>• Audible &amp; visual low level with cut-out</li> <li>• Visual under-temp indicator</li> </ul>
Safety features	<ul style="list-style-type: none"> <li>• Resettable safety thermostat</li> <li>• Low water level cut-out</li> <li>• Over-temp cut-out</li> <li>• Over-current protection</li> <li>• Fully enclosed element guard</li> </ul>
Power input	240 VAC / 50-60 Hz
Overall dimensions	W125 x D190 x H360mm
Nett weight	4.95 kg

The large bright dual-line LED display is easily visible from any angle and makes it easy to monitor your program from anywhere in the lab. The TH8500 features 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 high-power 2.2 kW heating element, the TH8500 is capable of heating larger baths and is suited to applications where a rapid ramp-up and maintenance of temperature is required. The advanced temperature profiling gives you complete control of the temperature ramping over time, and the TH8500 can work in conjunction with a cooling system to increase ramp-down rates.

Where external circulation is required, a Ratek insulated bath such as the IT700 with re-circulation ports is ideal to create a closed loop system with precise temperature control.

The TH8500 is whisper quiet, simple to operate and 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 the TH7000 & TH8000 ranges.
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  
MADE & SUPPORTED

3 YEAR  
PARTS WARRANTY



Quality  
ISO 9001  
SAI GLOBAL