

HEATER CIRCULATORS

(AMBIENT +5°C TO +100°C)

Image: TU3 and TU1



Thermoline Digital Heater Circulators

- Designed to fit Thermoline's circulated water baths
- Industrial grade platinum temperature sensor
- Air cooled long life circulation motor
- Stainless steel high wattage heating element
- High control accuracy of $\pm 0.2^{\circ}\text{C}$ with digital models
- Four segment, ramp and dwell program available in model TUMSP

Note: Cooling is required when working close to or below ambient.

All models suit Thermoline baths as standard, but where required, an optional mounting bracket (code TUSB) is available for non standard applications.

Head Office Phone (02) 9604 3911
Head Office Fax (02) 9725 1706

Email info@thermoline.com.au
Web www.thermoline.com.au

PRODUCT DETAILS

These precision heater circulators have been designed to suit all Thermoline general purpose laboratory water baths. Models available in thermostat control or digital microprocessor control for greater precision and easy setting of temperatures to $\pm 0.1^{\circ}\text{C}$.

Optional Accessories

Optional for larger 2000W element in models TU3 and TU4

Optional mounting bracket for all models

Safety Features

Over temperature manual reset safety thermostat (MRST)

Over current protection

Low water cut out on TU5 model only

Error display feedback on all digital models

SPECIFICATIONS

Model	TU1	TU3	TU4	TUMSP	TU5
Temperature Range	Ambient $+5^{\circ}\text{C}$ to $+100^{\circ}\text{C}$		Ambient $+5^{\circ}\text{C}$ to $+100^{\circ}\text{C}$		
Temperature Stability	0.5 $^{\circ}\text{C}$	0.1 $^{\circ}\text{C}$			
Thermometer	Yes	No			
Controller	Analogue		Digital		
Ramp/Dwell Programmer	N/a			Yes	N/a
Display Accuracy	N/a	0.1 $^{\circ}\text{C}$			
MRST Safety Thermostat	N/a	Yes			
Pump Capacity (litres / min)	9.5				12
Min. Level Below Bath Top (mm)	85				105
Mini. Depth Below Bath Top (mm)	140				160
Heater Capacity (W)	1000				2000
Electrical (W)	1020				2020
Weight (kg)	3	4	5	5	6

Thermoline Scientific have been manufacturing and distributing high quality laboratory and scientific testing equipment since 1970. Over this time, Thermoline has grown to be a leading brand in the science industry, with our equipment being used in small and large Hospitals, Universities and Research Laboratories across Australia and the Asia Pacific region.

We're proud to say that we are 100% Australian owned and operated.

Head Office Phone (02) 9604 3911

Head Office Fax (02) 9725 1706

Email info@thermoline.com.au

Web www.thermoline.com.au

HEATER CIRCULATORS

(AMBIENT +5°C TO +100°C)

Image: WCB-22H



Daihan Digital Heater Circulator

- Fitted with digital Fuzzy controller
- Suitable for baths up to 40 litres capacity
- Easy to read LCD display with back light
- Digital timer function (99 hour / 59 minute)
- High control accuracy of $\pm 0.2^{\circ}\text{C}$

Note: Cooling is required when working close to or below ambient.

Head Office Phone (02) 9604 3911
Head Office Fax (02) 9725 1706

Email info@thermoline.com.au
Web www.thermoline.com.au

 **Thermoline**
S C I E N T I F I C
H I G H E R S T A N D A R D S I N S C I E N C E

PRODUCT DETAILS

This small heater circulator unit is robust and versatile. Using the support bracket on the back of the circulator, it can be fitted to baths up to 40 litres in capacity. This model is supplied with a digital fuzzy control system with backlit LCD display and a turn dial for quick temperature and timer adjustments. Digital timer function (99hr 59min) supported with delay time and operation time. A user audible alarm function indicates errors, timer end and low water level.

For user safety, each circulator is fitted with a stainless steel protective case which surrounds the element.

Safety Features	
Stainless steel element cover	
Over current protection	
Low water cut out error	
Over temperature safety cut out	

SPECIFICATIONS

Model	WCB-22H
Temperature Range	Ambient +5°C to +100°C
Temperature Stability	0.5°C
Controller	Digital Fuzzy control system with LCD display
Adjustable Safety Thermostat	Yes
Pump Capacity	9.5 Litres / Min
Heater Capacity (W)	2000
Electrical (W)	2020
Weight (kg)	4

Thermoline Scientific have been manufacturing and distributing high quality laboratory and scientific testing equipment since 1970. Over this time, Thermoline has grown to be a leading brand in the science industry, with our equipment being used in small and large Hospitals, Universities and Research Laboratories across Australia and the Asia Pacific region.

We're proud to say that we are 100% Australian owned and operated.

Head Office Phone (02) 9604 3911

Head Office Fax (02) 9725 1706

Email info@thermoline.com.au

Web www.thermoline.com.au