

## Precision Water Baths



Exceptional performance and reliability  
for laboratory applications

# Value, Performance and Reliability

Thermo Electron's Precision Water Baths provide exceptional performance and reliability for your laboratory applications. With a 50-year history of providing quality and value, the Precision name is trusted by the world's leading scientists for their clinical and research needs. Available in a variety of models and capacities, all Precision Water Baths can be equipped with a broad range of accessories to support your specific application requirements.



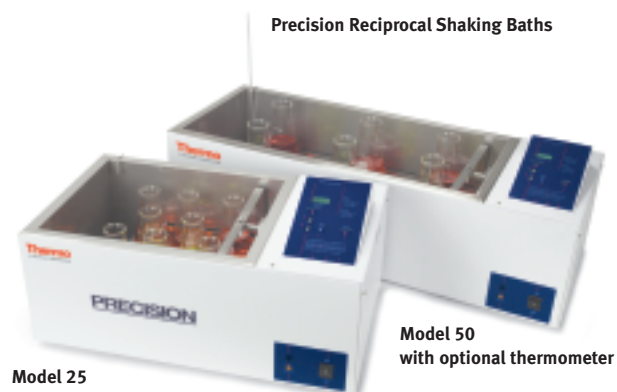
## Applications

	General Purpose	Circulating		Shaking		Steaming
	Models 180 and 280 Series	Models 260, 265, 270	Coliform	Models 25 & 50	Dubnoff and Shallow Form	4-Hole and 8-Hole
Bacteriological Examinations	■	■	■	■	■	
Coagulation Tests	■	■		■		
Coliform Determinations		■	■	■		
Copper Strip Corrosion Tests	■	■			■	■
Crude Oil Studies	■	■				
Cytochemistry	■	■			■	
Dialysis					■	
Demulsibility Studies	■	■				
Enzyme Studies		■			■	
Electrophoresis Gel Destaining				■		
Environmental Studies	■	■	■	■	■	
Food Processing QC	■	■	■	■		
Genetic Studies	■	■		■	■	
Hormone Studies	■	■		■	■	
Immunological Research	■	■		■	■	
Incubation for Microbiological Assays	■	■	■	■		
Incubation for Microcentrifugation Tubes	■				■	
Melting Agar	■					■
Metallurgical Analysis	■	■		■	■	■
Molecular Biology	■	■		■	■	
Protein Analysis	■	■				
Radioactive Isotope Uptake Studies	■	■		■	■	
Radiochemistry	■	■		■		
Serological Research	■	■		■	■	
Thawing	■	■		■	■	
Thawing Blood	■	■		■	■	
Thawing Cryopreservation Vials	■				■	
Tissue Culture Research	■	■		■	■	
Virology Research	■	■		■	■	
Warming Reagents	■	■				
Water Quality Research	■	■	■	■	■	

# Precision Reciprocal Shaking Water Baths

## Features

- Microprocessor control with digital LED display and shaker control
- Adjustable shaking speed from 30 to 200 OPM
- Over-temperature protection capability
- Rugged stainless-steel construction with easy to clean epoxy-powder coated exterior
- Push button convenience for entry of temperature and shaking speed
- Automatic motor shut-down capability
- Meets ASTM Method E 715 Class IIA standards
- UL listed (120 V)
- CE marked (230V)
- Free Duck!



Thermo has designed the Precision Reciprocal Shaking Baths for life science and QA/QC applications. With two sizes to choose from, both baths provide sample agitation with excellent temperature uniformity. The push-button input of desired temperature and shaking speed help to make the baths easy to use, while meeting the stringent standards for laboratory testing.

## Specifications

Models	25	50
<b>Chamber Capacity<sup>1</sup></b>	3.9 gallons (14.5 liters)	7.1 gallons (26.5 liters)
<b>Maximum Temperature<sup>2</sup></b>	99.9°C	99.9°C
<b>Temperature Uniformity at 37°C</b>	±0.05°C	±0.1°C
<b>Temperature Sensitivity</b>	±0.05°C	±0.05°C
<b>Oscillation per Minute</b>	30 to 200	30 to 200
<b>Stroke Length</b>	0.5 to 1.5 in. (1.3 to 3.8 cm)	0.5 to 1.5 in. (1.3 to 3.8 cm)
<b>Dimensions (L x W x H)</b>		
Chamber	12 x 15 x 7.5 in. (30.5 x 38.1 x 19.05 cm)	12 x 27 x 7.5 in. (30.5 x 68.6 x 19.05 cm)
Removable Tray	11.5 x 12 x 6.5 in. (29.2 x 30.5 x 16.5 cm)	11.5 x 24 x 6.5 in. (29.2 x 61 x 16.5 cm)
Exterior	14 x 24.5 x 9.5 in. (35.6 x 62.2 x 24.1 cm)	14 x 36.5 x 9.5 in. (35.6 x 92.7 x 24.1 cm)
<b>Electrical Specs (50/60Hz)</b>		
120V	1000 Watts 8.8 Amps	1550 Watts 12.9 Amps
230V	1000 Watts 4.4 Amps	1550 Watts 6.5 Amps
<b>BTU Output</b>	3415	5294
<b>Shipping Data</b>		
Dimensions	17 x 28.5 x 16.5 in. (43.2 x 72.4 x 41.9 cm)	17 x 40.5 x 16.5 in. (43.2 x 102.9 x 41.9 cm)
Weight	48 lbs. (22.2 kg)	62 lbs. (27.2 kg)
Volume	7 cu. ft. (0.20 cu. meters)	15.1 cu. ft. (0.43 cu. meters)
<b>Catalog Number</b>		
120V (UL listed)	51221080	51221081
230V <sup>3</sup> (CE marked)	51221203	51221082

1. Filled 3.5" (89 mm) from top of chamber

2. With gable cover

3. 50/60 Hz (Includes European style 50 Hz power cord; standard 220V 60 Hz power cord available separately. Part number 34400001)

See water bath accessories on back cover.

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