



Thermo Scientific  
Precision Water Baths

## Precision redefined for your lab

the ultimate in performance and reliability

**supplyLAB**

[www.supplylab.pt](http://www.supplylab.pt)  
[geral@supplylab.pt](mailto:geral@supplylab.pt)

Cacém Park - Edifício 9  
Estrada de Paço de Arcos nº88  
2739-512 Agualva Cacém  
T +(351) 21 4278700  
F +(351) 21 4278709

**Thermo**  
SCIENTIFIC

# Thermo Scientific Precision Water Baths

## A new generation to support your science

For decades, Thermo Scientific™ Precision™ water baths have brought outstanding performance and reliability to laboratories worldwide. Now they are setting a new standard in laboratory water baths, with enhanced designs and added features to help simplify workflows and maximize productivity.

With their rugged construction and advanced microprocessor technology, Precision water baths are a smart choice for your smart lab.

### ■ Precision is Compact

Save valuable bench space with a smaller footprint on general purpose baths, compared to previous models.

### ■ Precision is Effortless

Automatically preheat and turn off your bath for efficient work scheduling with new auto-on and auto-off timers.

### ■ Precision is Intuitive

Simplify parameter setting and monitoring with new icon-based controller interface.

### ■ Precision is Safe

Protect your work with safety features including audible alarm, adjustable digital over-temperature protection, low-level detection and high-temperature cut-offs.

### ■ Precision is Everywhere

Access worldwide service and support when you need it, for added peace of mind. Additionally, global voltage input allows water baths to be used anywhere in the world for easy ordering.



# Applications



Thermo Scientific Precision Water Baths

	General Purpose	Circulating	Coliform	Shaking	Dubnoff
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 Cryopreservation Vials	•				
Tissue Culture Research	•	•		•	•
Virology Research	•	•		•	•
Warming Reagents	•	•			
Water Quality Research	•	•	•	•	•



## Thermo Scientific Precision General Purpose Water Baths

Precision general purpose water baths are rugged, high performance baths that are designed to maintain water temperature from ambient to 100°C. Ideal for a wide range of lab applications, capacities range from 2 L to 28 L, including shallow models. Over-temperature safety circuitry is designed to prevent thermal runaway, while new auto-on and auto-off timers allow you to optimize operation schedules. Benefit from outstanding chemical and corrosion resistance with epoxy powder-coated exterior, and easily clean the chamber with its seamless stainless-steel interior.

### Additional features:

- Smaller footprint, compared to previous models, frees up valuable benchtop space
- Advanced microprocessor controller is designed for extended functionality
- Protect your work with audible alarms
- Conveniently save commonly used settings with four temperature presets
- Baths come with clear polycarbonate gable cover, diffuser tray, drain hose and rubber duck
- UL Listed and CE Marked

> **Icon-based graphical display  
for easy operation and monitoring**



Enhanced hinge design supports open lid configuration and easy lid removal.



Help prevent bath damage and overheating with low-fluid protection.



Simplify operation with quick disconnect drain and concealed drain hose on 10, 20, 28 L and dual models.



GP 02 Water Bath



GP 2S Water Bath



GP 05 Water Bath



GP 10 Water Bath



GP 20 Water Bath



GP 28 Water Bath



GP 15D Water Bath

Precision General Purpose Water Bath Specifications

Model	Cat. No.	Chamber Capacity	Temperature Range	Temperature Stability / Uniformity @ 70°C	Work Area (L x W x H)	Overall Dimensions Without Cover (L x W x H)	Global Voltage	Heater Output†
GP 02	TSGP02	2 Liter	Amb. to 90°C	±0.1°C / ±0.2°C	5.4 x 6.1 x 5.9 in. (138 x 155 x 150 mm)	9.1 x 7.8 x 9.2 in. (230 x 199 x 233 mm)	100-115V/200-230V, 50/60Hz	200W
GP 2S	TSGP2S	2 Liter (Shallow)	Amb. to 100°C	±0.1°C / ±0.2°C	6 x 11.8 x 2.6 in. (153 x 300 x 65 mm)	9.7 x 14 x 9.1 in. (246 x 355 x 232 mm)	100-115V/200-230V, 50/60Hz	300W
GP 05	TSGP05	5 Liter	Amb. to 100°C	±0.1°C / ±0.2°C	6.1 x 11.8 x 5.9 in. (154 x 300 x 150 mm)	9.7 x 14 x 9.1 in. (246 x 355 x 232 mm)	100-115V/200-230V, 50/60Hz	300W
GP 10	TSGP10	10 Liter	Amb. to 100°C	±0.1°C / ±0.2°C	11.9 x 13 x 5.9 in. (301 x 330 x 150 mm)	15.5 x 15.1 x 9.2 in. (393 x 383 x 233 mm)	100-115V/200-230V, 50/60Hz	800W
GP 20	TSGP20	20 Liter	Amb. to 100°C	±0.1°C / ±0.2°C	11.7 x 19.7 x 5.9 in. (297 x 500 x 150 mm)	15.4 x 21.8 x 9.2 in. (392 x 555 x 233 mm)	100-115V/200-230V, 50/60Hz	1200W
GP 28	TSGP28	28 Liter	Amb. to 100°C	±0.1°C / ±0.2°C	11.7 x 19.7 x 7.9 in. (297 x 500 x 200 mm)	15.4 x 21.8 x 11.1 in. (392 x 555 x 282 mm)	100-115V/200-230V, 50/60Hz	1200W
GP 15D	TSGP15D	5 Liter & 10 Liter (Dual)	Amb. to 100°C	±0.1°C / ±0.2°C	See TSGP05 & TSGP10	15.4 x 23.1 x 9.2 in. (392 x 587 x 233 mm)	100-115V/200-230V, 50/60Hz	300W & 800W

†Heater Output at 120V and 240V

Accessories for Precision General Purpose Water Baths

	TSGP02	TSGP2S	TSGP05	TSGP10	TSGP20	TSGP28	TSGP15D
Stainless Steel Gable Cover	GPSSL02	GPSSL05	GPSSL05	GPSSL10	GPSSL20	GPSSL28	GPSSL05 & GPSSL10
Concentric Ring Cover	-	-	-	1546230Q	1546231Q	1546231Q	-
Polycarbonate Gable Cover	TSGPACL02	TSGPACL05	TSGPACL05	TSGPACL10	TSGPACL20	TSGPACL20	TSGPACL05 & TSGPACL10
Stainless Steel Petri Dish Rack	-	-	-	-	3166183	3166183	-
Stainless Steel Test Tube Rack	-	-	-	-	3161601	3161601	-
Nalgene Unwire Test Tube Half Rack - White 36x13mm	5972-0013TC	5972-0013TC	5972-0013TC	5972-0013TC	5972-0013TC	5972-0013TC	5972-0013TC
Nalgene Unwire Test Tube Half Rack - White 36x16mm	-	5972-0016TC	5972-0016TC	5972-0016TC	5972-0016TC	5972-0016TC	5972-0016TC
Nalgene Unwire Test Tube Half Rack - White 20x20mm	-	5972-0020TC	5972-0020TC	5972-0020TC	5972-0020TC	5972-0020TC	5972-0020TC
Nalgene Unwire Test Tube Half Rack - White 16x25mm	-	5972-0025TC	5972-0025TC	5972-0025TC	5972-0025TC	5972-0025TC	5972-0025TC
Nalgene Unwire Test Tube Half Rack - White 9x30mm	-	5972-0030TC	5972-0030TC	5972-0030TC	5972-0030TC	5972-0030TC	5972-0030TC
Nalgene Unwire Test Tube Full Rack - Red 72x13mm	-	5970-0513TC	5970-0513TC	5970-0513TC	5970-0513TC	5970-0513TC	5970-0513TC
Nalgene Unwire Test Tube Full Rack - Red 72x16mm	-	-	5970-0516TC	5970-0516TC	5970-0516TC	5970-0516TC	5970-0516TC
Nalgene Unwire Test Tube Full Rack - Red 40x20mm	-	-	5970-0520TC	5970-0520TC	5970-0520TC	5970-0520TC	5970-0520TC
Nalgene Unwire Test Tube Full Rack - Red 40x25mm	-	-	5970-0525TC	5970-0525TC	5970-0525TC	5970-0525TC	5970-0525TC
Nalgene Unwire Test Tube Full Rack - Red 24x30mm	-	-	5970-0530TC	5970-0530TC	5970-0530TC	5970-0530TC	5970-0530TC
Hand Pump	102391	102391	102391	102391	102391	102391	102391
Replacement Diffuser Tray	102352	102353	102353	102354	102355	102355	102353 & 102354



Stainless Steel Petri Dish Rack



Nalgene Unwire Test Tube Full Rack



Polycarbonate Gable Cover



Polycarbonate Gable Cover



Thermo Scientific™ Nalgene™ Unwire™ test tube racks are ideal for use in all types of water baths. They are designed not to float or fade color.

Nalgene Unwire Test Tube Half Rack



SWB 27 Water Bath

## Thermo Scientific Precision Shaking Water Baths

Precision shaking water baths support a range of sensitive life science and QA/QC applications, from warming fragile reagents to tissue culturing and genetics sequencing. Easily clean and maintain your bath with new coil-free interior. Precision shaking water baths are available in 15 L and 27 L capacities.

The Precision shallow form shaking bath has a capacity of 15 L with a removable tray that provides a depth of 3.5 in (8.9 cm) for use with smaller sample containers.

Precision Dubnoff shaking water baths are designed specifically for applications that require your samples to be incubated in a controlled atmosphere. This bath has 15 L capacity and a depth of 3.5 in (8.9 cm). One large and two small gassing hoods are included with each bath along with the gable cover.

### Additional features:

- Easily clean and maintain bath with the new coil-free design
- Optimize scheduling with auto-on and auto-off timers
- Help prevent bath overheating and damage with low-fluid protection
- Conveniently save commonly used settings with four temperature and shaking speed presets
- Help protect your work with audible alarms
- Easily operate and monitor with icon-based graphical display
- Accommodate taller labware with new hinged lid and extended height
- Features next-generation shaker motor
- Baths come with stainless steel gable cover, shaking tray, and rubber duck
- Adjustable shaking speed from 30 to 200 oscillations per minute
- UL Listed and CE Marked



SWB 15S Water Bath



SWB 15 Water Bath



DUB 15 Water Bath

### Precision Shaking Water Bath Specifications

Model	Cat. No.	Chamber Capacity	Temperature Range	Temperature Stability / Uniformity @ 70°C	Work Area (Removable Tray) (L x W x H)*	Overall Dimensions Without Cover (L x W x H)	Global Voltage	Heater Output †
SWB 15	TSSWB15	15 Liter	Amb. + 5°C to 100°C	±0.1°C / ±0.05°C	11.5 x 12 x 6.5 in. (292 x 305 x 165 mm)	15.5 x 24.9 x 9.8 in. (394 x 632 x 249 mm)	100-115V/200-230V, 50/60Hz	1200W
SWB 27	TSSWB27	27 Liter	Amb. + 5°C to 100°C	±0.1°C / ±0.05°C	11.5 x 24 x 6.5 in. (292 x 610 x 165 mm)	15.5 x 36.9 x 9.8 in. (394 x 938 x 249 mm)	100-115V/200-230V, 50/60Hz	1500W
SWB 15S	TSSWB15S	15 Liter (Shallow)	Amb. + 5°C to 100°C	±0.1°C / ±0.05°C	11.5 x 12 x 3.5 in. (292 x 305 x 89 mm)	15.5 x 24.9 x 9.8 in. (394 x 632 x 249 mm)	100-115V/200-230V, 50/60Hz	1200W
DUB 15	TSDUB15	15 Liter (Dubnoff)	Amb. + 5°C to 100°C	±0.1°C / ±0.05°C	11.5 x 12 x 3.5 in. (292 x 305 x 89 mm)	15.5 x 24.9 x 9.8 in. (394 x 632 x 249 mm)	100-115V/200-230V, 50/60Hz	1200W

\* Fits in Bath Opening (L x W x H): On 15 L Shaking Baths: 12 x 15.3 x 7.6 in. (305 x 387 x 193 mm); on 27 L Shaking Bath: 12 x 27.3 x 7.6 in. (305 x 692 x 193 mm)

†Heater Output at 120V and 240V



Small Gassing Hood



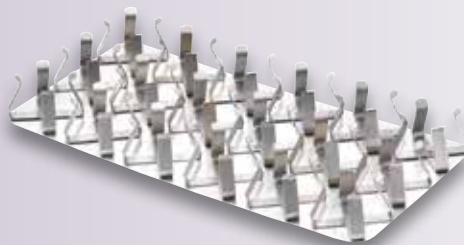
Microfuge Tube Rack



High Wall Tray



Test Tube Tray



Flask Tray



Water Regulation Kit

Accessories for Precision Shaking Water Baths

	TSSWB15	TSSWB27	TSSWB15S	TSDUB15
Large Gassing Hood	3162640	-	3162640	3162640
Small Gassing Hood	3162639	-	3162639	3162639
0.5mL Microfuge Tube Rack*	3166184	3166184	3166184	3166184
1.0mL Microfuge Tube Rack*	3166185	3166185	3166185	3166185
Water Regulation Kit	3166223	3166223	3166223	3166223
Test Tube Tray 13-25mm	3161597	3161597	3161597	3161597
Flask Tray 25mL (Holds 18 clips)	3161599	3161599	3161599	3161599
Flask Tray 50mL (Holds 10 clips)	3166228	3166228	3166228	3166228
High Wall Tray	3164716	3164717	3164716	3164716
Test Tube Clip 13mm-25mm*	3166216	3166216	3166216	3166216
<i>Bath Capacity</i>	20	48	20	20
Flask Clips - 25mL*	3166227	3166227	3166227	3166227
<i>Bath Capacity</i>	20	48	20	20
Flask Clips - 50mL*	3166198	3166198	3166198	3166198
<i>Bath Capacity</i>	15	36	15	15
Flask Clips - 125mL*	3166221	3166221	3166221	3166221
<i>Bath Capacity</i>	9	24	9	9
Flask Clips - 250mL*	3166566	3166566	3166566	3166566
<i>Bath Capacity</i>	6	14	6	6
Flask Clips - 500mL*	3166199	3166199	3166199	3166199
<i>Bath Capacity</i>	4	12	4	4
Flask Clips - 1000mL*	3166200	3166200	3166200	3166200
<i>Bath Capacity</i>	2	5	2	2
Fasteners (packs of 25)	3166189	3166189	3166189	3166189
Quick Drain Kit	098246	098246	098246	098246



Flask Clips

\*Requires Fasteners (Part Number 3166189)





## Thermo Scientific Precision Circulating Water Baths

Precision circulating water baths are an ideal choice when temperature uniformity and control are particularly critical, as when working with enzymes or in serological applications. Available in three different models, these high performance baths range in capacity 19 L, 35 L, and 89 L. The advanced temperature controller provides  $\pm 0.05^{\circ}\text{C}$  uniformity at  $70^{\circ}\text{C}$  and stability of  $\pm 0.1^{\circ}\text{C}$  with stainless steel gable cover.

### Additional features:

- Achieve enhanced temperature uniformity with perimeter-directed water flow
- Easily clean and maintain bath with coil-free internal design
- Optimize scheduling with auto-on and auto-off timers
- Accommodate taller labware with new hinged lid and extended height
- Help prevent bath overheating and damage with low-fluid protection
- Easily operate and monitor with icon-based graphical display
- Protect your work with audible alarms
- Baths include stainless steel gable covers, diffuser tray, and rubber duck
- UL Listed and CE Marked



CIR 19 Water Bath



CIR 35 Water Bath



CIR 89 Water Bath

### Precision Circulating Water Bath Specifications

Model	Cat. No.	Chamber Capacity	Temperature Range	Temperature Stability / Uniformity @ $70^{\circ}\text{C}$	Work Area (L x W x H)	Overall Dimensions Without Cover (L x W x H)	Global Voltage	Heater Output†
CIR 19	TSCIR19	19 Liter	Amb. + $5^{\circ}\text{C}$ to $100^{\circ}\text{C}$	$\pm 0.1^{\circ}\text{C}$ / $\pm 0.05^{\circ}\text{C}$	12 x 15.3 x 7.6 in. (305 x 387 x 192 mm)	15.5 x 24.9 x 9.8 in. (394 x 632 x 249 mm)	100-115V/200-230V, 50/60Hz	1200W
CIR 35	TSCIR35	35 Liter	Amb. + $5^{\circ}\text{C}$ to $100^{\circ}\text{C}$	$\pm 0.1^{\circ}\text{C}$ / $\pm 0.05^{\circ}\text{C}$	12 x 27.3 x 7.6 in. (305 x 692 x 192 mm)	15.5 x 36.9 x 9.8 in. (394 x 938 x 249 mm)	100-115V/200-230V, 50/60Hz	1500W
CIR 89	TSCIR89	89 Liter	Amb. + $5^{\circ}\text{C}$ to $100^{\circ}\text{C}$	$\pm 0.1^{\circ}\text{C}$ / $\pm 0.05^{\circ}\text{C}$	19 x 36 x 9.5 in. (483 x 914 x 241 mm)	21.5 x 45.7 x 11.8 in. (546 x 1160 x 300 mm)	100-115V/200-230V, 50/60Hz	1500W

†Heater Output at 120V and 240V

## Thermo Scientific Precision Coliform Water Baths



Precision coliform water baths are designed specifically for fecal coliform determination. Advanced controller, featuring LCD readout for easy operation and monitoring, is factory preset to 35.0, 41.5, 44.5 and 45.5°C. Each water bath is factory calibrated, with later field calibration enabled from the front panel without the need for tools.

### Additional features:

- Perimeter-directed water flow for enhanced temperature uniformity
- Easily clean and maintain bath with coil-free design
- Optimize scheduling with auto-on and auto-off timers
- Help prevent bath overheating and damage with low-fluid protection
- Easily operate and monitor with icon-based graphical display
- Accommodate taller labware with new extended-height, hinged lid
- Protect your work with audible alarms
- Bath includes stainless steel gable cover, diffuser tray, and rubber duck
- Quickly scroll through factory presets 35.0, 41.5, 44.5 and 45.5°C with the push of a button
- UL Listed and CE Marked

### Precision Coliform Water Bath Specifications

Model	Cat. No.	Chamber Capacity	Temperature Range	Temperature Stability / Uniformity @ 70°C	Work Area (L x W x H)	Overall Dimensions Without Cover (L x W x H)	Global Voltage	Heater Output†
COL 19	TSCOL19	19 Liter	Amb. + 5°C to 100°C	±0.1°C / ±0.05°C	12 x 15.3 x 7.6 in. (305 x 387 x 192 mm)	15.5 x 24.9 x 9.8 in. (394 x 632 x 249 mm)	1100-115V/200-230V, 50/60Hz	1200W
COL 35	TSCOL35	35 Liter	Amb. + 5°C to 100°C	±0.1°C / ±0.05°C	12 x 27.3 x 7.6 in. (305 x 692 x 192 mm)	15.5 x 36.9 x 9.8 in. (394 x 938 x 249 mm)	1100-115V/200-230V, 50/60Hz	1500W

†Heater Output at 120V and 240V



COL 35 Water Bath

COL 19 Water Bath



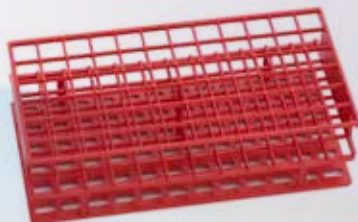
Stainless Steel Petri Dish Rack



Water Regulation Kit



Nalgene Unwire Test Tube Half Rack



Nalgene Unwire Test Tube Full Rack

Accessories for Circulating and Coliform Water Baths

	TSCIR19	TSCIR35	TSCIR89	TSCOL19	TSCOL35
Stainless Steel Petri Dish Rack	3166183	3166183	3166183	3166183	3166183
Stainless Steel Test Tube Rack	3161601	3161601	3161601	3161601	3161601
Nalgene Test Tube Half Rack - White 36x13mm	5972-0013TC	5972-0013TC	5972-0013TC	5972-0013TC	5972-0013TC
Nalgene Test Tube Half Rack - White 36x16mm	-	5972-0016TC	5972-0016TC	-	5972-0016TC
Nalgene Test Tube Half Rack - White 20x20mm	-	5972-0020TC	5972-0020TC	-	5972-0020TC
Nalgene Test Tube Half Rack - White 16x25mm	-	5972-0025TC	5972-0025TC	-	5972-0025TC
Nalgene Test Tube Half Rack - White 9x30mm	-	5972-0030TC	5972-0030TC	-	5972-0030TC
Nalgene Test Tube Full Rack - Red 72x13mm	-	5970-0513TC	5970-0513TC	-	5970-0513TC
Nalgene Test Tube Full Rack - Red 72x16mm	-	-	5970-0516TC	-	5970-0516TC
Nalgene Test Tube Full Rack - Red 40x20mm	-	-	5970-0520TC	-	5970-0520TC
Nalgene Test Tube Full Rack - Red 40x25mm	-	-	5970-0525TC	-	5970-0525TC
Nalgene Test Tube Full Rack - Red 24x30mm	-	-	5970-0530TC	-	5970-0530TC
Replacement Diffuser Tray	316008	316007	316006	316008	316007
Water Regulation Kit	3166223	3166223	3166223	3166223	3166223
Quick Drain Kit	098246	098246	098246	098246	098246



supplyLAB

Cacém Park - Edifício 9  
Estrada de Paço de Arcos nº88  
2739-512 Agualva Cacém

www.supplylab.pt  
geral@supplylab.pt

T +(351) 21 4278700  
F +(351) 21 4278709

[thermoscientific.com/precisionbaths](http://thermoscientific.com/precisionbaths)

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**North America:** USA/Canada tollfree: +1 (800) 258-0830; USA: +1 (603) 436-9444 or [info.tc.us@thermofisher.com](mailto:info.tc.us@thermofisher.com) [www.thermoscientific.com/tc](http://www.thermoscientific.com/tc)  
**Europe:** Benelux: +31 (0) 76 579 55 55 or [info.tc.nl@thermofisher.com](mailto:info.tc.nl@thermofisher.com); France: +33 (0) 1 60 92 48 00 or [info.tc.fr@thermofisher.com](mailto:info.tc.fr@thermofisher.com);  
Germany: +49 (0) 721 4 09 44 44 or [info.tc.de@thermofisher.com](mailto:info.tc.de@thermofisher.com); United Kingdom: +44 (0) 1785 82 52 00 or [info.tc.uk@thermofisher.com](mailto:info.tc.uk@thermofisher.com)  
**Asia:** China: +81 3 5826 1616 or [info.tc.china@thermofisher.com](mailto:info.tc.china@thermofisher.com); India: +91 (22) 27 78 11 01 or [contact.lpg.in@thermofisher.com](mailto:contact.lpg.in@thermofisher.com);  
Japan: +81-3-5826-1616 or [info.lpg.jp@thermofisher.com](mailto:info.lpg.jp@thermofisher.com)

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