



 **PolyScience**<sup>®</sup>  
Temperature Control Solutions<sup>®</sup>



***Scientific, Inc.***

*www.foxscientific.com • sales@foxscientific.com*  
*(800) 369-5524*

**GENERAL  
PURPOSE WATER  
BATHS**

**POLYSCIENCE WATER BATHS ARE A SLEEK,  
CLEANLY DESIGNED ADDITION TO YOUR  
BENCH, OFFERING ABSOLUTE CONTROL,  
PRECISION AND CONVENIENCE**

# General Purpose Water Baths

The general purpose water bath is a fundamental product in the lab. Many manufacturers often sacrifice quality and innovation strictly to meet the demands of a tight budget. PolyScience believes you can have both, as well as convenience, durability and safety.



**2 Liter General Purpose Water Bath**



**5 Liter General Purpose Water Bath**



**10 Liter General Purpose Water Bath**



**20 Liter General Purpose Water Bath**



**28 Liter General Purpose Water Bath**



# General Water Baths

## REAR-MOUNTED DRAIN

Reservoir drain only on 10 liter and larger baths



## RESERVOIR

Clear, hinged cover tilts out of the way, lets condensation drain back into the bath, prevents puddles on your bench.



## PROGRAMMABLE PRESETS

Programmable presets save programs that control both time and temperature settings of your frequently used needs.



## HIGH-GABLED LID

High-gabled lid accommodates taller media bottles and provides easy clearance when opening and closing.

## FULL-COLOR TFT LCD DISPLAY

Full-color TFT LCD display features high contrast and excellent clarity allowing for easy viewing, even from across the room.

## DIGITAL CONTROL PANEL

Features large square buttons for easy access and navigation of the intuitive interface.



Five  
Language  
Settings

# Feature Details

Our goal with our water baths has always been is to strike a perfect balance between cost and reliable precise temperature control. Something we have once again achieved with our new generation of PolyScience water baths.



## Clear Hinged Gable Cover

Tilting, see-through Reservoir Cover

- Standard feature on all of our water baths
- When you tilt the lid back, condensation drains down into the bath.
- High-clearance lid design accommodates taller media bottles so you can temper your samples with the cover closed and achieve improved control and uniformity.
- Since the cover is clear, you can see your samples at any time without having to lift the lid and disturb your work.



## Reservoir

Prevents puddles on your bench

When you tilt the Hinged Gable Cover back, condensation drains down into the bath.



## Drain

Rear-Mounted Drain

Available on 10 Liter or larger Water Baths.



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# Feature Details Continued

Our goal with our water baths has always been is to strike a perfect balance between cost and reliable precise temperature control. Something we have once again achieved with our new generation of PolyScience water baths.

## TFT Display

Full-color TFT Display



PolyScience water baths are the first baths on the market to utilize a full color TFT display.

- User-settable High Limit Value
- User-settable alarms: audible, visible or both
- Displays actual and set point temperature simultaneously
- Programmable pre-sets for frequently used temperatures
- At the end of any preset, the bath will automatically enter Eco Mode, for low energy no-heat operation. Added safety and energy savings.
- Integrated timer
- Calibration off-set feature
- Primary and automatic safety thermostats
- Interface offers five selectable languages: English, French, German, Spanish or Chinese

## Silicone-pad

Heating Element

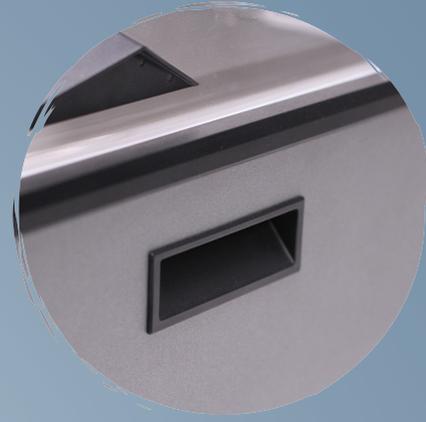
The silicone-pad heating element was specifically designed to apply even heating throughout the entire bottom surface of the tank, creating excellent temperature uniformity.



## Handles

Handles for easy positioning

Recessed handles enable easy positioning and minimize the footprint to allow space for additional equipment on lab work surfaces.



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# General Purpose Water Baths Specifications

Research, communication and listening to our customers needs are what drives the innovation to make the new PolyScience line of water baths stand out from the competition. These new intelligent water baths are the perfect blend of control, convenience, safety and of course budget.

Capacity	2 Liter	5 Liter	10 Liter	20 Liter	28 Liter
Temperature Range	Ambient+5° to 100°C	Ambient+5° to 100°C	Ambient+5° to 100°C	Ambient+5° to 100°C	Ambient+5° to 100°C
Temperature Stability	±0.1°C	±0.1°C	±0.1°C	±0.1°C	±0.1°C
Working Access (L x W x D)	3.9 x 4.3 x 6 in 9.9 x 10.9 x 15.2 cm	5 x 10.8 x 6 in 12.7 x 27.4 x 15.2 cm	10.6 x 11.6 x 6 in 26.9 x 29.5 x 15.2 cm	9.5 x 17 x 6 in 24.1 x 43.2 x 15.2 cm	9.5 x 17 x 8 in 24.1 x 43.2 x 20.3 cm
Overall Dimensions (L x W x H)	8.8 x 8.5 x 13.1 in 22.2 x 21.6 x 33.3 cm	9.3 x 14.4 x 13.1 in 23.5 x 36.5 x 33.3 cm	16.3 x 14.4 x 15.0 in 41.3 x 36.5 x 38.1 cm	15.1 x 22.5 x 15.1 in 38.4 x 57.2 x 38.4 cm	15.1 x 22.5 x 17.0 in 38.4 x 57.2 x 43.2 cm
Heater Wattage	120 W	360 W	1000 W	1400 W	1400 W
Programmable Timer	•	•	•	•	•
Hinged Gable Cover	•	•	•	•	•
Programmable High Limit	•	•	•	•	•
Over-Temperature Protection	Non-adjustable / Auto Reset	Non-adjustable / Auto Reset	Non-adjustable / Auto Reset	Non-adjustable / Auto Reset	Non-adjustable / Auto Reset
Programmable Calibration/ Temperature Offset	•	•	•	•	•
5 Programmable Preset Temperatures	•	•	•	•	•
Audible and Visual Alarms	•	•	•	•	•
Control Panel Lock	•	•	•	•	•
Eco Mode	•	•	•	•	•
Model	WBE02	WBE05	WBE10	WBE20	WBE28



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# Optional Accessories

At PolyScience, we believe strongly in providing the very best products and the highest level of service to our customers. While we have tried to provide adequate products and accessories that can assist you..



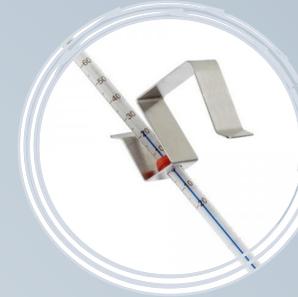
## Test Tube Racks

Keep your samples in place with these Stainless Steel Test Tube Racks.



## Floating Ball Cover

Covers top of any open tank. Reduces fumes, splashing hazard and heat loss by 75% and evaporation by 87%. Usable to 95°C.



## Thermometer/Holder

-20° to +150°C Thermometer. Alcohol. Non-calibrated. Can purchase holder to go with Thermometer.



## Polyclean Clarifier

Prevents growth of algae, keeps reservoirs clean and odor-free. Concentrated: 8 oz (237 ml) treats approximately 200 gallons (757 liters) Can order in bottle or case.



## Polytherm PAG 140

Polytherm PAG140 offers excellent properties for mid-range temperature baths and circulation systems. Polyalkylene glycol is a low-cost alternative to silicone fluids. Ideal for use in stainless steel and polycarbonate tanks.



## Polyclear MIX 30 Plus

General purpose fluid for routine applications above 15°C, prevents algae growth and premature rust formation.



# Quality, Reliability, Durability & Ease of Use

Research, communication and listening to our customers needs are what drives the innovation to make the new PolyScience line of water baths stand out from the competition. These intelligent water baths are the perfect blend of control, convenience, safety and of course budget.



50 years of research and innovation have come together to offer you the best water bath with the greatest ease of use on the market.

[Click here to play video](#)



# Glossary of Terms

At PolyScience, we believe strongly in providing the very best products and the highest level of service to our customers. While we have tried to provide adequate product descriptions, we realize that some customers may be interested in more in-depth information than that listed.



## General Purpose Water Bath

A vessel that can be held at a desired temperature via an integral heater and temperature controller. A General Purpose Water Bath does not incorporate a mechanical means of fluid circulation.



## Temperature Range

This is the temperature range that the equipment is capable of achieving and may be broader than the Working Temperature Range. This extended temperature range is particularly useful for the cooling of devices — such as lasers — that must be brought up to a temperature above ambient before operation can begin.



## Temperature Stability

This represents how precisely an instrument maintains a set-point temperature and is expressed as a plus/ minus value. For example, the actual bath temperature in a circulating bath with a set-point of 23.20°C and a temperature stability of  $\pm 0.01^\circ\text{C}$  may vary from 23.19°C to 23.21°C.



## Working Access/Bath Opening

This dimension provides information on the amount of available space within the Water Bath for glassware, sample holders, test tube racks, etc.



## ECO Mode

At the conclusion of any preset, the bath will automatically enter Eco Mode, for low energy no-heat operation. Added safety and energy savings.





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thermo scientific



# Thermo Scientific Precision Water Baths

The ultimate in performance and reliability



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# 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 almost anywhere in the world for easy ordering.



All Precision Water Baths come with a Thermo Scientific rubber duck for approximately \$1.99, included in the total price.

# 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	•	•		•	•
Radiochemistry	•	•		•	
Serological Research	•	•		•	•
Thawing	•	•		•	•
Thawing Cryopreservation Vials	•				
Tissue Culture Research	•	•		•	•
Virology Research	•	•		•	•
Warming Reagents	•	•			
Water Quality Research	•	•	•	•	•

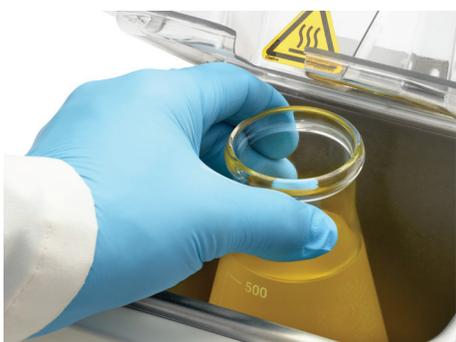


# Thermo Scientific Precision General Purpose Water Baths

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 2L<sup>1</sup> to 28L, 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.



**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.**

## **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; US FDA Class I Medical Device
- Includes a setting for thermal beads<sup>2</sup>



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

<sup>1</sup> 2L is designed to maintain water temperature from ambient to 90°C.

<sup>2</sup> Thermal beads do not provide the same performance as water; see manual for additional instructions.

# Thermo Scientific Precision General Purpose Water Baths



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	Temp. Range	Temperature Stability/Uniformity @37°C*	Work Area (L x W x H) in. (mm)	Overall Dimensions without Cover (L x W x H) in. (mm)	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 (138 x 155 x 150)	9.1 x 7.8 x 9.2 (230 x 199 x 233)	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 (153 x 300 x 65)	9.7 x 14 x 9.1 (246 x 355 x 232)	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 (154 x 300 x 150)	9.7 x 14 x 9.1 (246 x 355 x 232)	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 (301 x 330 x 150)	15.5 x 15.1 x 9.2 (393 x 383 x 233)	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 (297 x 500 x 150)	15.4 x 21.8 x 9.2 (392 x 555 x 233)	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 (297 x 500 x 200)	15.4 x 21.8 x 11.1 (392 x 555 x 282)	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 (392 x 587 x 233)	100-115V/200-230V, 50/60Hz	300W & 800W

\*Uniformity and stability tests were performed with cover installed and ambient controlled to ±1°C.

\*\* GP models come with N5-15 Plug.

† Heater output at 120V and 240V.

The GP 02 and GP 2S units may not reach 90°C and the GP 05 units may not reach 100°C when the supply voltage is 100VAC. The maximum Temperature value mentioned in the above table for each units can be achieved only when the supply voltage is 120/240VAC.

# Thermo Scientific Precision General Purpose Water Baths

## Accessories for Precision General Purpose Water Baths

Description	TSGP02	TSGPP2S	TSGP05	TSGP10	TSGP20	TSGP28	TSGP15D
Stainless Steel Gable Cover	GPSSL02	GPSSL05	GPSSL05	GPSSL10	GPSSL20	GPSSL20	GPSSL05 and GPSSL10
Concentric Ring Cover	–	–	–	1546230Q	1546231Q	1546231Q	–
Polycarbonate Gable Cover	TSGPACL02	TSGPACL05	TSGPACL05	TSGPACL10	TSGPACL20	TSGPACL20	TSGPACL05 and TSGPACL10
Stainless Steel Petri Dish Rack	–	–	–	–	3166183	3166183	–
Stainless Steel Test Tube Rack	–	–	–	–	3161601	3161601	–
Nalgene Test Tube Half Rack White 36 x 13 mm	5972-0013TC						
Nalgene Test Tube Half Rack White 36 x 16 mm	–	5972-0016TC	5972-0016TC	5972-0016TC	5972-0016TC	5972-0016TC	5972-0016TC
Nalgene Test Tube Half Rack White 20 x 20 mm	–	5972-0020TC	5972-0020TC	5972-0020TC	5972-0020TC	5972-0020TC	5972-0020TC
Nalgene Test Tube Half Rack White 16 x 25 mm	–	5972-0025TC	5972-0025TC	5972-0025TC	5972-0025TC	5972-0025TC	5972-0025TC
Nalgene Test Tube Half Rack White 9 x 30 mm	–	5972-0030TC	5972-0030TC	5972-0030TC	5972-0030TC	5972-0030TC	5972-0030TC
Nalgene Test Tube Full Rack Red 72 x 13 mm	–	5970-0513TC	5970-0513TC	5970-0513TC	5970-0513TC	5970-0513TC	5970-0513TC
Nalgene Test Tube Full Rack Red 72 x 16 mm	–	–	5970-0516TC	5970-0516TC	5970-0516TC	5970-0516TC	5970-0516TC
Nalgene Test Tube Full Rack Red 40 x 20 mm	–	–	5970-0520TC	5970-0520TC	5970-0520TC	5970-0520TC	5970-0520TC
Nalgene Test Tube Full Rack Red 40 x 25 mm	–	–	5970-0525TC	5970-0525TC	5970-0525TC	5970-0525TC	5970-0525TC
Nalgene Test Tube Full Rack Red 24 x 30 mm	–	–	–	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



## Nalgene Unwire Test Tube Half Rack

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.

Learn more at: [thermofisher.com/nalgeneracks](http://thermofisher.com/nalgeneracks)



# 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 19L, 35L, and 89L. 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; US FDA Class I Medical Device



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 @37°C*	Work Area (L x W x H) in. (mm)	Overall Dimensions without Cover (L x W x H) in. (mm)	Global Voltage**	Heater Output†
CIR 19	TSCIR19	19 Liter	Amb. + 5°C to 100°C	$\pm 0.1^{\circ}\text{C} / \pm 0.05^{\circ}\text{C}$	12 x 15.3 x 7.6 (305 x 387 x 192)	15.5 x 24.9 x 9.8 (394 x 632 x 249)	100-115V/200-230V, 50/60Hz	1200W
CIR 35	TSCIR35	35 Liter	Amb. + 5°C to 100°C	$\pm 0.1^{\circ}\text{C} / \pm 0.05^{\circ}\text{C}$	12 x 27.3 x 7.6 (305 x 692 x 192)	15.5 x 36.9 x 9.8 (394 x 938 x 249)	100-115V/200-230V, 50/60Hz	1500W
CIR 89	TSCIR89	89 Liter	Amb. + 5°C to 100°C	$\pm 0.1^{\circ}\text{C} / \pm 0.05^{\circ}\text{C}$	19 x 36 x 9.5 (483 x 914 x 241)	21.5 x 45.7 x 11.8 (546 x 1160 x 300)	100-115V/200-230V, 50/60Hz	1500W

\*Uniformity and stability tests were performed with cover installed and ambient controlled to  $\pm 1^{\circ}\text{C}$ .

\*\* GP models come with N5-15 Plug.

† 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.



COL 35 Water Bath



COL 19 Water Bath

## 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; US FDA Class I Medical Device

## Precision Coliform Water Bath Specifications

Model	Cat. No.	Chamber Capacity	Temperature Range	Temperature Stability/Uniformity @37°C*	Work Area (L x W x H) in. (mm)	Overall Dimensions without Cover (L x W x H) in. (mm)	Global Voltage**	Heater Output†
COL 19	TSCOL19	19 Liter	35.0, 41.5, 44.5 and 45.5°C	±0.1°C / ±0.05°C	12 x 15.3 x 7.6 (305 x 387 x 192)	15.5 x 24.9 x 9.8 (394 x 632 x 249)	1100-115V/200-230V, 50/60Hz	1200W
COL 35	TSCOL35	35 Liter	35.0, 41.5, 44.5 and 45.5°C	±0.1°C / ±0.05°C	12 x 27.3 x 7.6 (305 x 692 x 192)	15.5 x 36.9 x 9.8 (394 x 938 x 249)	1100-115V/200-230V, 50/60Hz	1500W

\*Uniformity and stability tests were performed with cover installed and ambient controlled to ±1°C.

\*\* GP models come with N5-15 Plug.

† Heater output at 120V and 240V.

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### Accessories for Circulating and Coliform Water Baths

Description	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 36 x 13 mm	5972-0013TC	5972-0013TC	5972-0013TC	5972-0013TC	5972-0013TC	
Nalgene Test Tube Half Rack White 36 x 16 mm	-	5972-0016TC	5972-0016TC	-	5972-0016TC	
Nalgene Test Tube Half Rack White 20 x 20 mm	-	5972-0020TC	5972-0020TC	-	5972-0020TC	
Nalgene Test Tube Half Rack White 16 x 25 mm	-	5972-0025TC	5972-0025TC	-	5972-0025TC	
Nalgene Test Tube Half Rack White 9 x 30 mm	-	5972-0030TC	5972-0030TC	-	5972-0030TC	
Nalgene Test Tube Full Rack Red 72 x 13 mm	-	5970-0513TC	5970-0513TC	-	5970-0513TC	
Nalgene Test Tube Full Rack Red 72 x 16 mm	-	-	5970-0516TC	-	5970-0516TC	
Nalgene Test Tube Full Rack Red 40 x 20 mm	-	-	5970-0520TC	-	5970-0520TC	
Nalgene Test Tube Full Rack Red 40 x 25 mm	-	-	5970-0525TC	-	5970-0525TC	
Nalgene Test Tube Full Rack Red 24 x 30 mm	-	-	5970-0530TC	-	5970-0530TC	
Replacement Diffuser Tray	316008	316007	316006	316008	316007	
Quick Drain Kit	098246	098246	098246	098246	098246	

# What is the ideal capacity of a Precision General Purpose, Circulating and Coliform Water Bath?

Below are recommended quantities of beakers, flasks and test tube racks to best fit into each model.

## Beakers and Flasks

Description	General Purpose Water Baths						Circulating and Coliform Water Baths					
	TSGP02	TSGPP2S	TSGP05	TSGP10	TSGP20	TSGP28	TSGP15D	TSCIR19	TSCIR35	TSCIR89	TSCOL19	TSCOL35
<b>Beakers (minimum spacing: 2.50 cm)</b>												
100 mL	1	3	3	12	18	18	15	12	24	66	12	24
150 mL	1	3	3	9	15	15	12	12	21	50	12	21
250 mL	1	2	2	6	8	8	8	6	14	36	6	14
400 mL	1	2	2	4	8	8	6	6	12	32	6	12
<b>Erlenmeyer Flasks (minimum spacing: 2.50 cm)</b>												
25 mL	1	4	4	16	28	28	20	20	40	78	20	40
50 mL	1	3	3	12	18	18	15	12	24	66	12	24
125 mL	1	2	2	9	10	10	11	9	21	36	9	21
250 mL	1	2	2	4	8	8	6	6	12	32	6	12
500 mL	0	2	2	4	6	6	6	4	10	21	4	10
1000 mL	0	0	0	1	3	3	1	2	4	10	2	4

## Test Tube Racks

Test Tube Diameter (mm)	Rack	Tubes/Rack	General Purpose Water Baths						Circulating and Coliform Water Baths					
			TSGP02	TSGPP2S	TSGP05	TSGP10	TSGP20	TSGP28	TSGP15D	TSCIR19	TSCIR35	TSCIR89	TSCOL19	TSCOL35
<b>How many racks fit in my bath?</b>														
13	5972-0013TC	36	1	2	2	6	8	8	8	6	12	32	6	12
16	5972-0016TC	36	0	2	2	4	6	6	6	4	10	18	4	10
20	5972-0020TC	20	0	2	2	4	8	8	6	6	12	24	6	12
25	5972-0025TC	16	0	2	2	4	6	6	6	6	10	21	6	10
30	5972-0030TC	9	0	2	2	4	8	8	6	6	12	28	6	12
13	5970-0513TC	72	0	1	1	3	4	4	4	3	6	16	3	6
16	5970-0516TC	72	0	1	1	2	3	3	3	2	5	9	2	5
20	5970-0520TC	40	0	1	1	3	4	4	4	3	6	12	3	6
25	5970-0525TC	40	0	0	0	2	2	2	2	2	4	7	2	4
30	5970-0530TC	24	0	1	1	2	4	4	3	3	6	12	3	6
<b>How many test tubes is that?</b>														
13	5972-0013TC	36	36	72	72	216	288	288	288	216	432	1152	216	432
16	5972-0016TC	36	0	72	72	144	216	216	216	144	360	648	144	360
20	5972-0020TC	20	0	40	40	80	160	160	120	120	240	480	120	240
25	5972-0025TC	16	0	32	32	64	96	96	96	96	160	336	96	160
30	5972-0030TC	9	0	18	18	36	72	72	54	54	108	252	54	108
13	5970-0513TC	72	0	72	72	216	288	288	288	216	432	1152	216	432
16	5970-0516TC	72	0	72	72	144	216	216	216	144	360	648	144	360
20	5970-0520TC	40	0	40	40	120	160	160	160	120	240	480	120	240
25	5970-0525TC	40	0	0	0	80	80	80	80	80	160	280	80	160
30	5970-0530TC	24	0	24	24	48	96	96	72	72	144	288	72	144

# 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 coil-free interior. Precision Shaking Water Baths are available in 15 L and 27 L capacities. The Precision Shaking Water Bath shallow form 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 coil-free design
- Optimize scheduling with auto-on and auto-off timers
- Help prevent bath overheating and damage with low-fluid protection and audible alarms
- Conveniently save commonly used settings with four temperature and shaking speed presets
- Easily operate and monitor with icon-based graphical display
- Accommodate taller labware with new hinged lid and extended height
- Baths come with stainless steel gable cover, shaking tray, and rubber duck
- Adjustable shaking speed from 30 to 200 oscillations per minute – features next-generation shaker motor
- UL Listed and CE Marked; US FDA Class I Medical Device

## Precision Shaking Water Bath Specifications

Model	Cat. No.	Chamber Capacity	Temperature Range	Temperature Stability/Uniformity @37°C*	Work Area (L x W x H) in. (mm)	Overall Dimensions without Cover (L x W x H) in. (mm)	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 (292 x 305 x 165)	15.5 x 24.9 x 9.8 (394 x 632 x 249)	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 (292 x 610 x 165)	15.5 x 36.9 x 9.8 (394 x 938 x 249)	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 (292 x 305 x 89)	15.5 x 24.9 x 9.8 (394 x 632 x 249)	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 (292 x 305 x 89)	15.5 x 24.9 x 9.8 (394 x 632 x 249)	100-115V/200-230V, 50/60Hz	1200W

\*Uniformity and stability tests were performed with cover installed and ambient controlled to ±1°C. 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) and on 27 L shaking baths 12 x 27.3 x 7.6 in. (305 x 692 x 193 mm).

\*\* GP models come with N5-15 Plug.

† Heater output at 120V and 240V.

# Precision Shaking Water Bath Accessories



Small Gassing Hood



Microfuge Tube Rack



High Wall Tray



Flask Clips



Test Tube Tray



Flask Tray

## Accessories for Precision Shaking Water Baths

Product	Description	TSSWB15	TSSWB27	TSSWB15S	TSDUBB15S
Large Gassing Hood	Permits control over the atmosphere surrounding the sample. Also improves temperature uniformity and reduces energy consumption. Each bath will accommodate 1 large hood or 2 small hoods. Measures: 11.21 x 11.35 in. (285 x 288 mm)	–	–	3162640	3162640
Small Gassing Hood	Permits control over the atmosphere surrounding the sample. Also improves temperature uniformity and reduces energy consumption. Each bath will accommodate 1 large hood or 2 small hoods. Measures: 5.6 x 11.35 in. (142 x 288 mm)	–	–	3162639	3162639
0.5 mL Microfuge Tube Rack*	Secure various size microfuge tubes to the bath platform. Requires one fastener. Measures: 5 x 4 x 1–1/2 in. (127 x 101 x 39 mm)	3166184	3166184	3166184	3166184
1.0 mL Microfuge Tube Rack*	Secure various size microfuge tubes to the bath platform. Requires one fastener. Measures: 5 x 4 x 1–1/2 in. (127 x 101 x 39 mm)	3166185	3166185	3166185	3166185
Test Tube Tray 13–25 mm (holds 10 tubes)	Tray containing a number of prearranged test tube clips. Does not require additional hardware. Measures 5 x 10.2 in. (127 x 259 mm)	3161597	3161597	3161597	3161597
Flask Tray 25 mL (holds 18 flasks)	Tray containing a number of prearranged flask clips. Does not require additional hardware. Measures 5 x 10.2 in. (127 x 259 mm)	3161599	3161599	3161599	3161599
Flask Tray 50mL (holds 10 flasks)	Tray containing a number of prearranged flask clips. Does not require additional hardware. Measures 5 x 10.2 in. (12.7 x 25.9 cm)	3166228	3166228	3166228	3166228
High Wall Tray – Small	Hold large objects (11.25 x 12.5 x 7.5 in.)	3164716	–	3164716	3164716
High Wall Tray – Large	Hold large objects (11.25 x 24 x 7.5 in.)	–	3164717	–	–
Test Tube Clip 13 mm-25 mm*	Secure various size test tubes to the bath platform. Stainless Steel. Each requires one fastener.	3166216	3166216	3166216	3166216
Bath Capacity		20	48	20	20
Flask Clips – 25 mL*	Secure 25mL flasks to the bath platform. Stainless Steel. Each requires one fastener.	3166227	3166227	3166227	3166227
Bath Capacity		20	48	20	20
Flask Clips – 50 mL*	Secure 50mL flasks to the bath platform. Stainless Steel. Each requires one fastener.	3166198	3166198	3166198	3166198
Bath Capacity		15	36	15	15
Flask Clips – 125 mL*	Secure 125mL flasks to the bath platform. Stainless Steel. Each requires one fastener.	3166221	3166221	3166221	3166221
Bath Capacity		9	24	9	9
Flask Clips – 250 mL*	Secure 250mL flasks to the bath platform. Stainless Steel. Each requires one fastener.	3166566	3166566	3166566	3166566
Bath Capacity		6	14	6	6
Flask Clips – 500 mL*	Secure 500mL flasks to the bath platform. Stainless Steel. Each requires one fastener.	3166199	3166199	3166199	3166199
Bath Capacity		4	12	4	4
Flask Clips – 1000 mL*	Secure 1000mL flasks to the bath platform. Stainless Steel. Each requires one fastener.	3166200	3166200	3166200	3166200
Bath Capacity		2	5	2	2
Fasteners (packs of 25)	One required for each test tube clip and flask clip	3166189	3166189	3166189	3166189
Quick Drain Kit	Quick Disconnect drain insert for easier draining, comes drain insert, drain tap, and hose.	098246	098246	098246	098246

\*Requires Fasteners (Part Number 3166189)

All water baths and accessories currently not available in North America.

## What is the ideal capacity of a Precision Shaking Water Bath?

Below are recommended quantities of flasks and test tubes to best fit in each model.

### Flasks and Test Tubes

		Shaking Water Baths			
		TSSWB15	TSSWB27	TSSWB15S	TSDUB15
<b>Erlenmeyer Flasks</b>					
Flask Volume	Flask Clip Cat. No.	Fastener Cat. No.	Fastener Clip & Fastener Quantity*		
25 mL	3166227	3166189	20	48	20
50 mL	3166198	3166189	15	36	15
125 mL	3166221	3166189	9	24	9
250 mL	3166566	3166189	6	14	6
500 mL	3166199	3166189	4	12	4
1000 mL	3166200	3166189	2	5	2
<b>Test Tubes</b>					
Test Tube Volume	Test Tube Clip Cat. No.	Fastener Cat. No.	Test Tube Clip & Fastener Quantity*		
13-25 mm	3166216	3166189	20	48	20

\* Quantity of each flask clip, test tube clip and fastener that fits in each shaking water bath.  
All water baths and accessories currently not available in North America.



thermo scientific



Find out more at [thermofisher.com/precisionbaths](https://thermofisher.com/precisionbaths)

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# SB-12L Shaking Water Bath



- + *Orbital shaking motion*
- + *Included spring platform accepts tubes, bottles and flasks*
- + *Compact design, conserves bench space*
- + *Digital control and display of time, temperature, and speed*

This compact shaking water bath utilizes the well proven, beltless motor drive system from the Benchmark Orbi-Shaker™ Series, with the addition of precision temperature control up to 80°C.

The seamless, stainless steel chamber has a 12 liter capacity and includes a universal spring-loaded platform for securing 15 & 50ml test tubes, as well as Erlenmeyer flasks and media bottles up to 1 liter. A hinged and removable lid is also included to reduce energy waste, prevent splashing and divert condensation away from samples.

Easy to use controls allow the user to digitally select and monitor time, temperature and shaking speed, while a constant feedback system ensures accuracy over each parameter.

Optional test tube racks are available for microtubes and custom-designed racks can also be made available by request.

## Technical Data:

Temperature range:	Ambient +5°C to 80°C
Capacity:	12 Liters
Temperature accuracy:	+/- 0.3°C at 37°C
Temperature uniformity:	+/- 0.2°C at 37°C
Temperature increment:	0.1°C
Shaking speed range:	30 to 200rpm (increments of 1rpm)
Shaking orbit:	25mm (1")
Timer:	1 min. to 48 hours or continuous
Dimensions:	12.2 x 13.5 x 12 in. 31.7 x 34.3 x 30 cm
Electrical:	115V, 60Hz or 230V, 50Hz / 300W
Weight:	31 lbs / 14kg

## Capacity Chart

	Bottles/Tubes	Flasks
0.5mL	40	N/A
1.5/2.0mL	40	N/A
15mL	63	N/A
50mL	15/30	12
125mL	8	8
250mL	4	3
500mL*	2	2
1000mL*	2	1

\*Height of vessel may limit ability to close included lid.

## Ordering Information

SB0012*	SB-12L Shaking Water Bath with universal spring platform for tubes, bottles and flasks
SB0012-T1520	Optional rack for 1.5/2.0mL micro tubes
SB0012-T5	Optional rack for 0.5mL micro tubes

\*115V with US plug, for 230V (EU plug), please add (-E).



SB-12L with 15mL conical tubes



SB-12L with 50mL conical tubes

**PO Box 709 Edison, NJ 08818**  
**TEL: 908-769-5555 Fax: 908-222-1864**  
**Web: www.BenchmarkScientific.com**  
**Email: Info@BenchmarkScientific.com**

## myBATH™ SERIES



MyBath 12L  
(B2000-12)

MyBath 4L  
(B2000-4)

MyBath 2L  
(B2000-2)

- Removable, hinged lid\*
- Quik-CAL™ user calibration function
- Seamless, stainless steel chamber
- Digital accuracy and convenience

The *myBath* series is designed to guarantee superior accuracy and performance in a compact footprint. With four sizes to choose from, there is a *myBath* to fit every lab.

The 4, 8 and 12L models include easy to use controls allow the user to digitally select and monitor settings. Adjustable in 0.1°C increments, the temperature is shown on a large, 3-digit display. The proprietary Quik-CAL™ feature allows for simple, in-lab calibration.\* High efficiency insulation maintains temperature stability and uniformity within the bath, while keeping the housing cool to the touch.

All *myBath* models feature seamless, stainless steel chambers for easy cleaning and long life. The chambers resist rust and have no corners to collect dirt or contamination. The larger 8L and 12L units have drains for hassle-free water changes.

The 4L, 8L, and 12L models include a see-through cover that can be removed, or flipped back on a rear hinge to conserve bench space. The lid's gabled design will divert condensation to the front and back of the bath, away from samples.

Racks are available to accommodate 1.5/2.0ml, 15ml and 50 ml tubes within the 4L, 8L and 12L baths. The *myBath 4L* is supplied with all three racks.

### Technical Data and Ordering Information:

\*2L models use traditional calibration and include a flat, removable lid.

	2 Liter	4 Liter	8 Liter	12 Liter
Catalog Number	B2000-2*	B2000-4*	B2000-8*	B2000-12*
Temperature Range	Ambient + 5 to 100°C			
Temp. Accuracy	±0.2°C at 37°C		±0.5°C at 37°C	
Temp. Increments	1.0°C		0.1°C	
Temp. Uniformity	±0.2°C at 37°C			
Exterior (WxDxH)	6.5x8x6 in.	7.7x13.9x9 in.	17.5x10.5x12.4 in.	18x10.5x16.2 in.
Chamber (WxDxH)	5.5x6x4 in.	5.3x9.4x5.5 in.	12.8x10.4x5.9 in.	12.8x10.4x7.9 in.
Weight	4.5 lbs / 2.0 kg	15 lbs / 6.5 kg	17 lbs / 8 kg	17 lbs / 8 kg
Electrical	115 or 230V, 50-60Hz			

\* 115V with US plug. For 230V (EU plug), please add (-E)

### Accessory Tube Racks:

Cat. Number	Description	4L Rack Capacity	8/12L Rack Capacity
B2000-4-T5	Test tube rack for 40 x 0.5ml tubes	1	2
B2000-4-T1520	Test tube rack for 40 x 1.5/2.0ml tubes	1 (Included)	2
B2000-4-T150	Test tube rack for 41 x 15ml tubes	1 (Included)	0
B2000-4-T500	Test tube rack for 15 x 50ml tubes	1 (Included)	0
B2000-8-T150	Test tube rack for 76 x 15ml tubes	0	1
B2000-8-T500	Test tube rack for 30 x 50ml tubes	0	1

### Tube racks included with myBath 4L!



# SWBR17 & SWBR27

## Shaking Water Bath



SWBR17

Shaking Water Baths (also known as Reciprocating Water Baths), are designed to handle a wide variety of applications. These baths can be used effectively in molecular biology protocols (such as hybridization), bacterial culturing, as well as in solubility and metabolism studies. The SHEL LAB Reciprocating Water Baths are designed to deliver precise temperature control and a smooth reciprocal shaking motion.

The oscillator control is independent, allowing the baths to also be used for regular constant temperature water bath applications such as thawing, warming reagents, or general incubation. The Shaking Water Baths offer an adjustable stroke length ( 0.5", 1" or 1.5"), giving the user the ability to choose the degree of agitation. With a RPM range of 20-200, these versatile reciprocating water baths are sure to meet many application needs.

Model Name [110-120V/220-240V]	SWBR17/ SWBR17-2	SWBR27/ SWBR27-2
Capacity	0.6 cu.ft. (17 liters)	0.95 cu.ft. (27 liters)
Interior Dimensions (W x D x H)	14.7" x 11.7" x 7.5" 373 X 297 X 191 mm	27.0" x 12.0" x 7.2" 686 x 305 x 183 mm
Exterior Dimensions (W x D x H)	24.7" x 14.6" x 15.2" 627 x 371 x 386 mm	36.9" x 14.6" x 15.2" 937 X 371 X 386 mm
Oscillation Rate	20 - 200 RPM	20 - 200 RPM
Temperature Specifications		
Temperature Range	Ambient +5°C to 80°C	
Temperature Uniformity	0.2°C at 37°C	

## Applications

Hybridization Applications  
 Cell Cultures  
 Cell Aeration  
 Increasing Solubility Rates  
 Molecular Biology Assays  
 Bacterial Cultures



## Features

- 1 Independent Oscillation and Temperature Controls
- 2 Adjustable Stroke Length
- 3 Platform Tray Included
- 4 Recessed Heating Element Prevents “Burnout”
- 5 Unique SHEL LAB Design Eliminates “Hot Spots”
- 6 Thermometer Clip Included

### Accessories

9530526	Flask Holder 500mL
9530528	Flask Holder 25mL
9530529	Flask Holder 50mL
9530530	Flask Holder 125mL
9530531	Flask Holder 250mL
9530532	Flask Holder 1000mL
9530551	Flask Holder 2000mL
9530553	Flask Holder 2800mL

### Accessories

9530554	Flask Holder 4000mL
9530555	Flask Holder 6000mL
9530560	Flask Holder 5000mL
9751177	Test Tube Shaker (100 Tubes) - SWBR27
9751178	Test Tube Shaker (80 Tubes) - SWBR27
9751179	Test Tube Shaker (60 Tubes) - SWBR27
9751180	Test Tube Shaker (36 Tubes) - SWBR27
9751181	Test Tube Shaker (29 Tubes) - SWBR27