

# Shaking Water Baths

BWZ-1 & BWZ-3



## Precise Temperature. Gentle Stirring

The BEING BWZ shaking water baths combine a general-purpose water bath with a reciprocating shaker motion to provide gentle stirring with precise laboratory temperature control suitable for direct and auxiliary heating of biological, chemical, physical, plant, chemical, and other experimental samples for Escherichia coli detection, sample thawing, bacterial detection, incubation microbial experiments, cell culture, food testing pretreatment, and more.

## Construction Features

- Available in 2 sizes: 33L and 48L chambers
- Corrosion-resistant stainless steel chamber and heater
  - Maintenance-free operation
  - Rounded corners for quick and easy cleaning
- Corrosion-resistant stainless steel wire rack designed to handle a variety of test tube and flasks.
- Reciprocating motion on guide rail with heavy-duty corrosion-resistant drivetrain driven by brushless DC motor.
- Hinged stainless steel gable chamber cover holds heat in.

## Performance Features

- Temperature Range: Ambient + 5°C to 100°C
- Temperature Uniformity:  $\pm 0.2^{\circ}\text{C}$
- Temperature Stability:  $\pm 0.3^{\circ}\text{C}$
- Speed: 30 - 180 rpm
- Amplitude: 30mm

## Controller Features

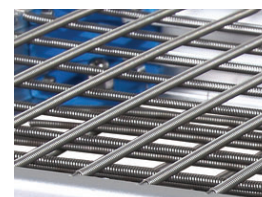
- Dual independent controllers
- PID automatic control provides accurate and reliable temperature control
- Large intuitive LCD display
- Automatic power on/off
- Programmable function
  - Turn and push temperature, speed, and timer setting
  - Fixed value program
  - Untimed and timed programs
  - Program time from 1 minute to 99 hours 59 minutes

Intelligent controller with bright, easy-to-understand LCD display.



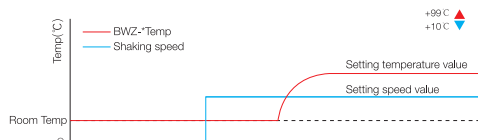
## Safety Features

- Independent over-temperature protection meets DIN 12880 International standard requirements
- Temperature limit protection
- Over-current protection
- Power off memory



The stainless steel shaking platform utilizes a spring wire rack design for maximum flask, test tube, and container flexibility.

A fuse and an independent adjustable over-temperature switches protects the bath and user.



Reciprocating motion and temperature are controlled independently.



BEING Scientific Inc.

# Specifications

Model		BWZ-1	BWZ-3
Capacity	Chamber Volume (L)	33	48
Controller	Temperature Range	Ambient + 9°F to 212°F / Ambient + 5°C to 100°C	
	Temperature Uniformity (@37°C)	± 0.2°C	
	Temperature Stability (@37°C)	± 0.3°C	
	Display Resolution	0.1	
	Timer (hh:mm)	00:01 - 99:59	
Shaker	Speed Range (cycles per min.)	0 and 30 - 180	
	Amplitude (mm)	30	
Electrical	Power Consumption (W)	1250	1650
	Power Requirement	120VAC / 60Hz	
	Plug Type	NEMA 5-15	
Dimensions	Tray Depth	(in / mm)	6.1 / 155
	Tray	W x H x D (in / mm)	14.7 x 11.9 x 9.5 375 x 303 x 240
	Interior		21.6 x 11.9 x 9.5 550 x 303 x 240
	Exterior		17.1 x 12.5 x 9.5 435 x 317 x 250
			24.2 x 12.5 x 9.5 615 x 317 x 250
Net Weight (lb / Kg)		48.5 / 22	63.9 / 29
Catalog Number		WZ21033U	WZ21048U

**NOTE:** All specifications listed are based on testing done at 25°C.