

# Shaking Water Bath Incubator

## BT100/200/300

Operating temp. range RT+5~80°C

Temp. distribution accuracy ±0.1°C

Bath capacity 17L BT100 23L BT200 34L BT400



19L  
BT100

23L  
BT200

**Constant temp. shaking water bath with integrated vibrating design and easy to use, flexible inner tank.**

- Changeable vibration range that varies from 10 to 44mm.
- Oscillation frequency ranges from 20 to 160 times per minute allowing for non-incremental speed transition.
- Thermostat enables fixed operation.
- Digital setting and display.
- Comprehensive safety features.

### Specifications

Model	BT100	BT200	BT300
Shaking type	Reciprocate shaking, Stirring by pump		
Operating temp. range	Room temp. +5°C to 80°C		
Temperature control accuracy	±0.02°C to 0.08°C		
Temperature distribution accuracy	±0.1°C		
Temperature rising time	Approx. 95 min.	Approx. 70 min.	Approx. 120 min.
Shaking frequency	20 to 160 times/min.		
Shaking width	10 to 40mm (adjustable)		
Temp. controller	PID control by microprocessor		
Temp. sensor	Pt resistance thermometer (double sensor)		
Temp setting/display	Digital setting		
Overheat protector	ON/OFF control by microprocessor		
Overheat protect setting	Digital setting		
Heater	Copper pipe heater (nickel plated)		
	1.2kW	1.9kW	2.5kW
Stirring system	Magnet pump		
	6W	10W	10W
Shaker	Gear motor		
	25W	40W	40W
Shaking speed setting system	Analog setting		
Shaking speed display system	Digital display		
Timer	1 min. to 999 hr. 50 min. Digital display, Quick automatic start/stop		
Safety device	Self-diagnosis function(Heater defective, Sensor defective, Set value abnormal, SSR short circuit and Overheat protector) Warning buzzer and alarm lamp, Over current, short circuit breaker, Heater no-load operation prevention device and overheat protector.		
Container flame number, Test tube	Dia : 16.5mm, Length : 150 to 200mm(JIS)		
	130 pcs.	169 pcs.	260 pcs.
Flask	Round, Erlenmeyer flask 100/300/500ml		
	12/5/3pcs.	16/9/6pcs.	24/10/6pcs.
Interior material	Stainless steel		
Internal dimensions(W×D×Hmm)	302×350×250	372×350×250	532×350×250
External dimensions(W×D×Hmm)	579×414×325	649×414×325	809×414×325
Tank capacity	19L	23L	34L
Power source (50/60Hz)	AC115V/ AC220V Single phase with step-down transformer		AC220V Single phase with step-down transformer
Weight	Approx. 27kg	Approx. 40kg	Approx. 48kg
Accessories	Shaking rack (Dimensions W×D×Hmm)		
	1 pc. 290×220×170	1 pc. 290×290×170	2 pc. 290×220×170
	Spring pitch		
	20mm (both length and width)		

### Control Panel



### Lid (Optional)

Description	Model No.	Product Code
Lid for BT100	BT Series	221380
Lid for BT200	BT Series	221381
Lid for BT300	BT Series	221382



### Rack for Test Tube (Optional)

