

Low Constant Temperature Water Bath
BV100/200/300

BV200/300 have been discontinued.



Model		
100	200	300
Operating temp. range		
0deg.C to +80deg.C		
Temp. Distribution Accuracy		
±0.1deg.C		
Internal capacity		
6L	10L	15L

Space saving low temperature water bath with program operation function, high precision temp. control and low vibration type with Peltier device equipped.

- BV300 can use as Low Temp. Incubator together with Shaking Unit (Model No. BN300)
- Precise Temp. Control by Digital Temp. Setting
- More precise Temp. Distribution by Pump Stirring
- Improved Lid Closure by Simple Flat Design

■ Specifications

Model	BV100	BV200*	BV300*
Performance			
Stirring System	Peltier Device with Heater, Stirring by Pump		
Operating Temp. Range	0 to 80deg.C (periphery temperature 20deg.C)		
Temp. Adjustment Accuracy	±0.1deg.C (Water Temp. 20deg.C, Room Temp. 20deg.C)		
Temp. Distribution Accuracy	±0.1deg.C (Water Temp. 20deg.C, Room Temp. 20deg.C)		
Time to Reach to Max. Temp.	Approx. 90min.		Approx. 100min.
Time to Reach to Min. Temp.	Approx. 180min.		
Components			
Internal Bath	Stainless Steel		
Temp. Adjuster	PID Control by Microcomputer		
Program Function	8 steps x 2 patterns, or 16 steps x 1 pattern		
Sensor	Pt Sensor, Pt100Ω (Temp. Controller), K-thermocouple (for Overheat Preventor) (Double Sensor)		
Temp. Setting System	Digital		
Temp. Display System	Digital		
Overheat Preventor	On/Off Control by Microcomputer		
Overheat Preventor Setting	Digital		
Overheat Preventor Sensor	K-thermocouple		
Heater	Copper Pipe Heater (Nickel Plated)		
	0.5kW	0.6kW	0.75kW
Cooler	Peltier Device		
Cooling Fan	Direct Flow Fan		
Stirrer	Magnet Pump 3W		Magnet Pump 6W
Timer	1min. to 99hrs.59min. to 999hrs.50min. Digital Display, Automatic Stop, Automatic Start		
Safety Device			
Safety Countermeasure	Self Diagnosis Function (Heater Wire Broken, SSR Short Circuit, Automatic Overheat Prevent Function), Empty Boiling Prevent System, Overheat Preventor, Over-Current/Electric Leakage Breaker		
Standard			
Internal Dimensions	W188 x D220 x H180mm	W238 x D220 x H180mm	W365 x D220 x H180mm
External Dimensions	W340 x D538 x H415mm	W390 x D538 x H415mm	W520 x D538 x H415mm
Bath Internal Capacity	Approx. 6L	Approx. 10L	Approx. 15L
Drain Hose Dimensions	Φ15 x Φ20		
Power	AC100V, 50/60Hz, 10A (15A)	AC100V, 50/60Hz, 14A (15A)	AC100V, 50/60Hz, 18A (20A)
Weight	Approx. 35kg	Approx. 40kg	Approx. 48kg
Accessories	Drain Pump, Water Bath Lid		

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■ Control panel



■ BV300 + BN300



■ Stainless lid



■ Optional items

Description	Model No.	Product Code
Clamp set for BV100, 200, 300	BV Series	221387
Lid (made of stainless steel) for BV100	BV Series	221388
Lid (made of stainless steel) for BV200	BV Series	221389
Lid (made of stainless steel) for BV300	BV Series	221390
Rack (stainless steel) for BV100	BV Series	221391
Rack (stainless steel) for BV200	BV Series	221392
Rack (stainless steel) for BV300	BV Series	221393