

Low Temperature Water Bath (Programmable, Peltier Cooling)

BV100

Operating temp. range 0~80°C

Temp. distribution accuracy ±0.1°C

Bath capacity 6L



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

- Precise temp. control by digital temp. setting.
- Enhanced temp. distribution by pump stirring.
- Improved lid closure by its simple flat design.

Specifications

Model	BV100
Stirring system	Peltier device with heater, stirring by pump
Operating temp. range	0 to 80°C (periphery temperature 20°C)
Temp. adjustment accuracy	±0.1°C (Water temp. 20°C, Room temp. 20°C)
Temp. distribution accuracy	±0.1°C (Water temp. 20°C, Room temp. 20°C)
Time to reach to max. temp.	Approx. 90min.
Time to reach to min. temp.	Approx. 180min.
Internal bath	Stainless steel
Temp. adjuster	PID control by microcomputer
Program function	8 steps×2 patterns, or 16 steps×1 pattern
Sensor	Pt sensor, Pt100Ω (Temp. controller), K-thermocouple (for overheat preventor) (Double sensor)
Temp. setting	Digital
Temp. display	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
Cooler	Peltier device
Cooling fan	Direct flow fan
Stirrer	Magnet pump 3W
Timer	1min. to 99hrs.59min. to 999hrs.50min. Digital display, Automatic stop, Automatic start
Safety device	Self diagnosis function (Heater wire broken, SSR short circuit, Automatic overheat prevention), Empty boiling prevent system, Overheat preventor, Over-current / Electric leakage breaker
Internal dimensions	W188xD220×H180mm
External dimensions	W340xD538×H415mm
Bath internal capacity	Approx. 6L
Drain hose dimensions	φ 15 x φ 20
Power	AC100V, 50/60Hz, 10A (15A)
Weight	Approx. 35kg
Accessories	Drain pump, Water bath lid

Control Panel



Stainless Lid



Optional items

Description	Product Code
Clamp set	221387
Lid (made of stainless steel)	221388
Rack (stainless steel)	221391