

Products for Industry

Low Temperature Water Bath (Programmable,
Peltier Cooling)

BV100

Discontinued Product

Item Code : 221337

Model : BV100

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Low Temperature Water Bath (Programmable, Peltier Cooling) (BV100)

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Product Summary

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

Features of Low Temperature Water Bath (Programmable, Peltier Cooling) (BV100)

High precision temp. control and low vibration water bath

Precise temp. control by digital temp. setting.

Features

More precise temp. distribution by pump stirring.

Features

Improved lid closure by simple flat design.

Specifications

Specifications

Item Code	221337
Model	BV100
Stirring system	Peltiert 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 system	Digital
Temp. display system	Digital
Overheat preventor	On/Off control by microcomputer
Overheat preventor setting	Digital
Heater	Copper pipe heater (Nickel plated) 0.5kW
Cooler	Peltiert 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 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
Drain hose dimensions	φ15×φ20
Accessories	Drain pump, Water bath lid
Internal dimensions (W×D×H mm)	188×220×180mm
External dimensions (W×D×H mm)	340×538×415mm
Remarks(dimensions)	Internal capacity Approx. 6L
Power Source	AC220V 5A Single phase
Weight	35kg

Maintenance and warranty

Conditions: temperature and humidity: 23 deg.C+/-5 deg.C, 65%RH+/-20% (no load)

External dimensions do not include protrusions.

Optional items



Clamp set for BV100 (BQBV)



Lid (made of stainless steel) for BV100 (BQBV100)



Rack (stainless steel) for BV100 (BQBV100)