

Economical Water Bath (Constant Temp.)

BM100/200/401/500/510

Setting system

Analog
BM100/200

Digital

BM401/500/510

Operating temp. range

Room temp. +5~95°C
BM100/200/401

Room temp. +5~90°C
BM500/510

Bath capacity

4L
BM100/500/510

7L
BM200/401

Easy to use, compact design water bath



4L
BM100

7L
BM200

7L
BM401

4L
BM500

BM100/200

- Analog set up system
- Thermometer is included to verify actual temperature
- Protected water tank prevents burns caused by contact (BM200)
- Equipped with a drain (BM200)

BM401

- Digital temperature setting by ▲/▼ keys
- Protected water tank prevents burns caused by contact
- Equipped with a drain

BM500/510

- Digital temperature setting by ▲/▼ keys
- Removable water tank for convenient cleaning and changing of water
- Heater situated outside the water tank
- Exclusive connection for bath operational setting function with RE601/801 rotary evaporator

Specifications

Production code	222103	222107	222117	222120	222121
Model	BM100	BM200	BM401	BM500	BM510
Operating temp. range*1	Room temp. +5~95°C			Room temp. +5~90°C	
Temp. adjustment accuracy*2	±2°C (at 60°C)		±0.3°C (at 60°C)	±1.5°C (at agitation)	
Temp. control	ON/OFF control		PID control by microprocessor		
Temp. setting / display	Analog setting (Glass thermometer indication)		Digital setting by ▲/▼ keys	Digital 7 segment LED Digital setting by ▲/▼ keys	
Operation function	Operation at fixed point		Fixed temperature, quick auto stop, auto stop, auto start	Fixed temperature, quick auto stop, auto stop, auto start	
Additional functions	--		Calibration off-set, power failure recovery, keypad lock	Keypad lock, maintenance function (RE signal transmission and reception), calibration off-set, power failure recovery	
Heater	SUS316 pipe heater 500W	SUS316 pipe heater 1kW		1kW (100V) 1.44kW (120V)	1kW (200V) 1.44kW (240V)
Sensor	Liquid expansion type		K thermocouple		
Safety device	Bath protection cover			Bath protection cover (ABS heat-resistant resin)	
	Overcurrent protection (fuse: 7A), thermal fuse	Overcurrent protection (fuse: 15A), thermal fuse	Self-diagnostic functions (automatic overheat prevention, sensor trouble, triac short circuit, heater disconnection, main relay failure), circuit protector, thermal fuse	Self-diagnostic functions (automatic overheat prevention, sensor trouble, triac short circuit, heater disconnection, main relay failure), circuit protector, thermal fuse, micro switch to detect heating without water	
Water tank	Capacity	Approx. 4L	Approx. 7L	Approx. 4L	
	Dimensions	I.D.200×D120mm	I.D.250×D150mm	Max. I.D.240×bottom dia165×D122mm	
External dimensions *3	W240×D300×H150mm		W310×D360×H230mm		W340×D349×H231mm
Weight	Approx. 3.5kg		Approx. 6kg	Approx. 7kg	
Power source (50/60 Hz)	AC115V/220V paddle switch		AC115V/220V Single phase with step-down transformer	AC115V/220V Single phase with step-down transformer	
Accessories	Bar thermometer (10~110°C) with immersion line		Drain board		--

*1 No load operation of bath only. Maximum temperature varies based on different circumstances and operational conditions.

*2 Conditions : Temperature and humidity 23°C±5°C, 65%RH±20% (no load)

*3 Protrusions not included. The length of the power cord is about 2m outside the unit.