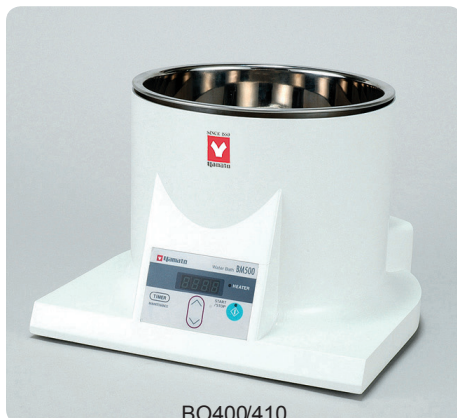


Economy Constant Temperature Oil Bath

BO Series

Operating temp. range	Room temp.+10~180°C (BO400/410)	Room temp.+5~199°C (BO500)	Room temp.+5~180°C (BO601)	Bath capacity	4L (BO400/410)	5.2L (BO500)	7L (BO601)
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Easy to use, digital setting, compact design oil bath



BO400/410



BO500 + MB800 (Magnetic Stirrer)



BO601

- Digital temperature setting by ▲/▼ keys
- Removable oil tank for convenient cleaning and changing of oil
- Heater situated outside the water tank
- Exclusive connection for bath operational setting function with RE601/801 rotary evaporator
- Stainless steel oil bath
- Bath protection sheet to prevent operator from burning
- Must be used with MB800 magnetic stirrer
- Digital temperature setting by ▲/▼ keys
- Protected oil tank prevents burns caused by contact
- Equipped with a drain

Specifications

Model		BO400	BO410	BO500	BO601
Operating temp. range* ¹		Room temp. +10~180°C		Room temp. +5~199°C	Room temp. +5~180°C
Temp. control accuracy* ²		±2°C (at agitation)		±0.5°C	±2°C (at 100°C)
Temp. control system		PID control by microprocessor		Proportional control	PID control by microprocessor
Temp. setting / display method		Digital setting by ▲/▼ keys		Digital / Glass thermometer	Digital setting by ▲/▼ keys
Operation function		Fixed temperature, quick auto-stop, auto stop, auto start		--	Fixed temperature, quick auto-stop, auto stop, auto start
Additional function		Keypad lock, RE signal transmission and reception, power failure recovery, calibration off-set		--	Keypad lock, power failure recovery, calibration off-set
Heater		1.44kW (120V)	1.44kW (240V)	Pipe heater 700W	SUS316 pipeheater 1kW
Sensor		K thermocouple		Pt100Ω	K thermocouple
Safety device		Bath protection cover (ABS heat-resistant resin)		Bath protection sheet	Bath protection cover
		Self-diagnostic function (automatic overheat prevention, temperature sensor error, triac short circuit, heater disconnection, main relay failure), circuit protector, thermal fuse, micro switch to detect heating without oil			Self-diagnostic function (automatic overheat prevention, temperature sensor error, triac short circuit, heater disconnection, main relay failure), circuit protector, thermal fuse
Interlocking control function		RE601/801 signal transmission and reception (constant operation, heat retention operation, stop), Error report to RE601/801		--	--
Water tank	Capacity	~4L		~5.2L	~7L
	Dimensions	Max. I.D.240 x bottom Dia165 x D122mm		ø240 x 130mm	I.D.250 x D150mm
External dimensions		W340 x D349 x H231mm		W250 x D290 x H130mm	W310 x D360 x H230mm
Weight		~5.5kg		~1.4kg	~8kg
Power source (50/60 Hz)		AC100~120V 12.5~10.5A	AC200~240V 6.5~5.5A	AC115V 7A / AC220V 4A, no breaker* ³	AC115V 11A / AC220V 7A

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

*2. Measured under ambient temperature at 23°C±5°C, humidity of 65%RH±20%.

*3. When combined with magnetic stirrer MB800, power source is from MB800 main unit outlet.

Model	MB800 (in combination with BO500)
Stirring plate	Material: Aluminum, dimension: W250xD220mm
Stirring capacity	100ml~10L
Rotation speed	70~1200rpm
Motor	AC motor, Electronic control
Overheat prevention	70~200°C
Sensor	Thermistor
Safety device	Current leakage breaker, Oil bath power shutdown overheat prevention device
Power source (50/60Hz)	AC115V 10A / AC220V 5A (MB800+BO500 combined with oil bath)
External dimensions	W250xD270xH150mm
Weight	~4.2kg
Accessories	Stirrer 40mm 1pc.