

# Economical Oil Bath

## BO400/410/500/601

Operating temp. range	Room temp. +10~180°C	Room temp. +5~199°C	Room temp. +5~180°C
	BO400/410	BO500	BO601

Bath capacity	4L	5.2L	7L
	BO400/410	BO500	BO601

### 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	±0.3°C (at 100°C)
Temp. control	PID control by microprocessor		Proportional control	PID control by microprocessor
Temp. setting / display	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 functions	Keypad lock, RE signal transmission and reception, Power failure recovery, Calibration off-set		--	Keypad lock, Power failure recovery, Calibration off-set
Heater	1kW(100V) 1.44kW(120V)   1kW(200V) 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	Approx. 4L	Approx. 5.2L	Approx. 7L
	Dimensions	Max. I.D.240×bottom Dia165×D122mm	ø240×130mm	I.D.250×D150mm
External dimensions	W340×D349×H231mm		W250×D290×H130mm	W310×D360×H230mm
Weight	Approx. 5.5kg		Approx. 1.4kg	Approx. 8kg
Power source (50/60 Hz)	AC100~120V 12.5~10.5A	AC200~240V 6.5~5.5A	AC220V 7A with step-down transformer (no breaker*3)	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%(No load).

\*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: W250xD270mm
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)	AC220V with step-down transformer (MB800+BO500 combined with oil bath)
External dimensions	W250xD270xH150mm
Weight	Approx. 4.2kg
Accessories	Stirrer 40mm 1pc.