

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) |
| | | | | | | | |

Easy to use, digital setting, compact design oil bath



BO400/410

- 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



BO500 + MB800 (Magnetic Stirrer)

- Stainless steel oil bath
- Bath protection sheet to prevent operator from burning
- Must be used with MB800 magnetic stirrer



BO601

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

Specifications

| Model | BO400 | BO410 | BO500-115V*3 BO500-220V*3 | BO601-115V BO601-220V |
|--------------------------------|--|---------------------------------------|------------------------------|---|
| 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) 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 | | 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 |
| 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 | | 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 | 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 | MB800-115V / MB800-220V (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. |

BO500A-115V BO500A-220V

Set of BO500 Oil Bath and MB800 Stirrer

