

Economy Constant Temperature Oil Bath



BO302-A/312-A

Operating temp. range Room temp. +10~180°C

Bath capacity 5L

Compatible with **RE202-A/212-A REV-202M-A/212M-A**



5L

- Large capacity 5L with internal diameter of $\phi 240$ mm
- Flat-shaped bath with no heater or sensor inside makes for ease in cleaning
- Full range of safety functions such as automatic overheat prevention, upper temperature limit abnormality, and independent overheat prevention (fixed temperature type)

Specifications

| Model | BO302-A | | BO312-A |
|------------------|--|--|---|
| Performance*1 | Operating ambient temp. range | 5~35°C | |
| | Temperature control range | Room temp. +10~180°C | |
| | Temperature control accuracy | ± 2.0°C | |
| Configuration | Temperature control system | PID control | |
| | Controller | White LED digital display, key entry, minimum digit of 1°C | |
| | Temperature sensor | Pt100Ω | |
| | Heater | 1000W aluminum sheathed heater | |
| | Exterior | PBT (with fiber glass) | |
| Bath reservoir | Stainless steel | | |
| Safety functions | Automatic overheat prevention, independent overheat prevention (fixed temp.), temperature upper limit error, Overcurrent protection fuse | | |
| Other functions | Overshoot alert, Auto resume (selectable), 2A service outlet, calibration offset | | |
| Standard | External dimensions*2 | φ262 (max. D286) x H240 mm | |
| | Reservoir capacity | ~5L | |
| | Power supply (fuse capacity) | 100-115V, 10-12A (Service outlet excluded) (15A) | 200-230V, 5 6A (10 A) |
| | Power cable | 3m long, with inlet plug *3 | |
| Weight | ~4.5 kg | | |
| Accessories | Power cable (1), Spare fuse for main power 15A (large)(1), Spare fuse for service outlet 2A (small)(1) | | Power cable (1), Spare fuse for main power 10A (large)(1) |

*1 Performance data above based on 95-120VAC (BO302)/ 90-241 VAC (BO312) supplied power, 23 ±5 °C room temperature, 65%RH ±20% humidity, and no process load. Operating temperature range for BM/BO series unit is between 5°C and 35°C. Be advised that maximum operating temperature may not be reached under low ambient temperatures, if source voltage is below.95V.(BO302)/190V (BO312)

*2 Dimensions do not include protrusions.

*3 BO302 is compatible with the voltage range of 100-115VAC and BO312 is compatible with the voltage range of 200-230VAC, by choosing a suitable power plug.

Control Panel



Replacement parts

| Product name | Description | Product code | Compatible model |
|--------------------------------|-------------------------|--------------|------------------|
| Main power fuse 15A (large) | 250V 15A | LT00039643 | BO302-A |
| Main power fuse 10A (large) | 250V 10A | LT00039644 | BO312-A |
| Service outlet fuse 2A (small) | 250V 2A | LT00039642 | BO302-A |
| Power cable | Comes with a plug, 3m | LT00039650 | BO302-A |
| Power cable | With ring terminals, 3m | LT00039652 | BO312-A |



BO302-A shown with rotary evaporator RE202-A