



Stirring Water Bath

10L/ 20L Stirring Water Bath

SWB series

The MS Stirring Water Bath series packs with built-in thermostatic baths is an innovative product line to provide precise temperature control and excellent mixing performance for a wide range of laboratory applications. The built-in stirring mechanism not only provides outstanding temperature uniformity, but also applies a stirring mixture function. The 10 L or 20 L stainless steel tank can operate flask(s) containing a moderate amount of solution simultaneously. Two single stirring mechanism models and two multi-stirring models are available for your preference.



Built-in magnetic stirring mechanism

Features

- Microprocessor control with digital performance for precise, accurate control
- Built-in magnetic stirring mechanism for water agitation, water temperature uniformity and medium solution mixing
- Stirring speed control
- LCD screen shows temperature and timer simultaneously
- User temperature calibration
- Safety device: warning indication on screen to avoid overheating and automatic shut down
- Multiple stirring mechanism capability
- Data Logging software available

SWB-10L



Max. Capability: 6 sets of 250 ml flasks
4 sets of 500 ml flasks

SWB-20L



Max. Capability: 15 sets of 250 ml flasks
8 sets of 500 ml flasks

CE

Specifications

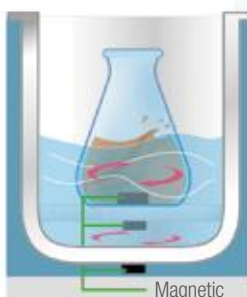
| Product name | SWB-10L-1 | SWB-10L-2 | SWB-20L-1 | SWB-20L-3 |
|----------------------------------|---|-----------|---|-----------|
| Number Of Stirring Mechanisms | 1 | 2 | 1 | 3 |
| Stirring Speed | 400~1500 rpm (measured by percentage) | | | |
| Bath Capacity | approx. 2.64 gal (10 L) | | approx. 5.28 gal (20 L) | |
| Water Circulation Function | Yes | | | |
| Display | LCD | | | |
| Heating Power | 600 W | | 800 W | |
| Controller | Digital microprocessor controller | | | |
| Bath Temperature | 5 °C above ambient to 99 °C | | | |
| Temperature Increment | 0.1°C | | | |
| Temperature Accuracy | +/- 0.2 °C at 37 °C | | | |
| Temperature Calibration | Yes | | | |
| Timer | Up to 99 (hr) : 59 (min), continuous | | | |
| Safety Device | Warning indication on screen with alarm and automatic shut down | | | |
| Operating Temperature | Ambient to 40 °C | | | |
| Bath Tank Material | 304 stainless steel | | | |
| Bath Inner Dimension (W x L x H) | 9.45" x 11.81" x 5.91" (240 x 300 x 150 mm) | | 11.81" x 19.69" x 5.91" (300 x 500 x 150 mm) | |
| Unit Dimension (W x L x H) | 10.04" x 13.98" x 9.45" (255 x 355 x 240 mm) (without lid) | | 12.99" x 21.26" x 9.45" (330 x 540 x 240 mm) (without lid) | |
| Drainage Port On The Rear | N / A | | Yes | |
| Construction | Painted iron metal | | | |
| Lid Material | Polycarbonate with stainless steel handle | | | |
| Communication Port | RS232 | | | |
| Weight | Approx. 19.8 lb (9 kg) | | Approx. 30.9 lb (14 kg) | |
| Rated Voltage | 110 V or 220 V | | | |



Concave lid design to allow condensation flow back to the tank.



Side opening of the lid to allow minimum evaporation while maintaining water bath temperature.



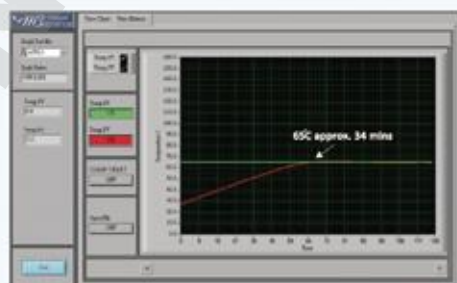
Water Circulation Function

Ordering Information

| Cat. No. | Product Description |
|---------------------|---|
| SWB-10L-1-110 / 220 | 10 L Stirring Water Bath with 1 built-in stirring mechanism, lid included |
| SWB-10L-2-110 / 220 | 10 L Stirring Water Bath with 2 built-in stirring mechanism, lid included |
| SWB-20L-1-110 / 220 | 20 L Stirring Water Bath with 1 built-in stirring mechanism, lid included |
| SWB-20L-3-110 / 220 | 20 L Stirring Water Bath with 3 built-in stirring mechanism, lid included |

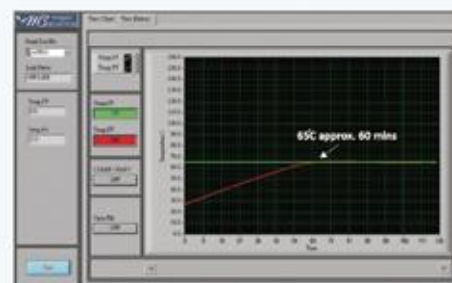
Accessories

| Cat. No. | Product Description |
|------------|---|
| SWB-LID10 | Transparent lid for 10 L stirring water bath |
| SWB-LID20 | Transparent lid for 20 L stirring water bath |
| SWB-RS232 | RS 232 cable for data logging |
| SWB-DLSW | Data Logging software package |
| SWB-DLSW-R | Data Logging software package, include a RS 232 cable |



SWB-10L Series

■ Temp. Set Value : 65 °C
■ Initial Temp. Value : 17 °C
 Water Volume : 5 liters
 Process Time : approx. 34 mins



SWB-20L Series

■ Temp. Set Value : 65 °C
■ Initial Temp. Value : 27 °C
 Water Volume : 12 liters
 Process Time : approx. 60 mins



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