





JSWB-Series

DIGITAL HEATED WATER BATH

amb. +5 °C ~ 99 °C 6, 11, 22, 30 LITER JSWB-T Series Digital Water Bath to provides constant temperature environment with heated water.

Suitable for biotechnology, chemistry, medical, environmental and general laboratory applications of temperature range from ambient +5°C to 99°C





JSWB-22T Digital Water Bath, 22 liter

JSWB-11T Digital Water Bath, 11 liter

Features

Performance

Temperature Range : amb. +5 °C to 99 °C

Temperature Accuracy : within +/- 0.2 °C

Temperature Uniformity : within +/- 0.8 °C

Corrosion resistant Stainless Steel 304 sheath immersion heater directly heating water in the bath to reach set temperature quickly.

Perforated heater cover helps convection of heated water circulation throughout bath to maintain thermal uniformity of the bath

Construction

Durable epoxy powder coated metallic casing Corrosion resistant Seamless Electro-Polished Stainless Steel 304 bath Corrosion resistant Stainless Steel 304 sheath immersion heater Corrosion resistant Stainless Steel 304 flat lid Perforated heater cover (bottom plate)

Convenience

Easy to clean Electro-Polished seamless SS 304 Bath
Drain for easy emptying the bath fluid
(JSWB-22T, JSWB-30T only)
Supplied with stainless steel Flat Lid to help reduce heat losses and evaporation

Safety

DUAL OVER TEMPERATURE CUT-OFF BY CONTROLLER
AND INDEPENDENT THERMOSTAT
HIGH TEMPERATURE CUT-OFF AND AUDIO VISUAL ALARM
LOW TEMPERATURE CUT-OFF AND AUDIO VISUAL ALARM
PT SENSOR SHORT OR DISCONNECTION AUDIO VISUAL ALARM
OVER CURRENT CUT-OFF: Fuse

3-ZONE PID Algorithm 3-Point Calibration 1-Point Offset

Temperature Control

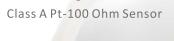
Digital Microprocessor PID Controller
High-fidelity clear back light LCD displays complete
setting and operating condition at a glance
UV Coated Polycarbonate Touch Panel
Easy-to-use Encoder Type Jog Dial for quick
and convenient setting of temperature and timer

0.1 °C Control resolution
Turn-On and Turn-Off Timer up to 99 hour 59 min.

Temperature and Timer memory function in frequest use

- 3-Zone PID Algorithm
- 3-Point Calibration
- 1-Point Offset Calibration

Power Outage and Restore Function





Specifications

Model	JSWB-06T	JSWB-11T	JSWB-22T	JSWB-30T
Dimension Data				
Bath Volume	6 Liters	11 Liters	22 Liters	30 Liters
Inner Dims. (WxDxH) mm	300 x 155 x 150	300 x 240 x 150	500 x 300 x 150	500 x 300 x 200
Usable Dims. (WxH) mm	300 x 155 x 110	300 x 240 x 110	500 x 300 x 110	500 x 300 x 160
Outer Dims. (WxDxH) mm	340 x 200 x 270	340 x 285 x 270	545 x 345 x 270	545 x 345 x 320
including	1 ea x Heater Cover, 1 ea x Stainless Steel 304 Flat Lid			
Performance Data				
Heating System	Direct Heating by Ir	mmersion Heating Eleme	nt	

Controller

Temperature Range

Temperature Accuracy at 37.0 $^{\circ}\text{C}$

Temperature Uniformity at 37.0 $^{\circ}\text{C}$

Type Digital Microprocessor PID Temp. Controller with Capacitive Touch Button and Jog Dial

ambient +5 $^{\circ}$ C to 99.0 $^{\circ}$ C, 0.1 $^{\circ}$ C resolution

+/- 0.2 °C

+/- 0.8 °C

+/- 0.2 °C

+/- 0.8 °C

Display Full Size Digital Back Light Graphic LCD Display

+/- 0.2 °C

+/- 0.8 °C

Control Logic 3 Zone PID Control

Calibration 1 Point Temperature Offset

3 Point Temperature Calibration

Turn-Off TimerMax. 99 hr 59 min by 1 min resolutionTurn-On TimerMax. 99 hr 59 min by 1 min resolution

Sensor Class A Pt-100 Ohm Sensor

Power Restoration Power and Timer Restoration Function in case of power outage

Material Data

Body Epoxy Powder Coated Steel

Chamber Seamless Stainlss Steel 304 (AISI304)

Heating Element Stainlss Steel 304 (AISI304)

Safety Data

Safety Device Over Temperature / Over Current Protection Audio Visual Alarm

Electrical Data

Power Requirement 230 +/- 10% VAC | 50/60 Hz | 1 Phase

Power Consumption 600 W 2.7 amp 1.0 kW 4.6 amp 1.5 kW 6.8 amp 2.0 kW 9.2 amp

Plug Configuration CEE 7/7 Schuko or BS 1363

Usable Condition

Temp. & Humidity $5 \,^{\circ}\text{C} - 40 \,^{\circ}\text{C}$, $80\% \, \text{RH Max}$.



+/- 0.2 $^{\circ}$ C

+/- 1.0 °C

Ordering Information

Art. Number

Descriptions

DIGITAL HEATED WATER BATH

amb. +5 °C ~ 99 °C

JSWB-Series

JSWB-06T	
JSWB-11T	
JSWB-22T	
JSWB-30T	

Digital Heated Water Bath 6 Liter 230 VAC 1 ph 50/60Hz

Digital Heated Water Bath 11 Liter 230 VAC 1 ph 50/60Hz

Digital Heated Water Bath 22 Liter 230 VAC 1 ph 50/60Hz

Digital Heated Water Bath 30 Liter 230 VAC 1 ph 50/60Hz

Accessories

Gabled Lid, Stainless Steel 304

PHL-WG06	Gabled Lid for JSWB-06T
PHL-WG11	Gabled Lid for JSWB-11T
PHL-WG22	Gabled Lid for JSWB-22T
PHL-WG30	Gabled Lid for JSWB-30T



Accessories

Concentric Ring Cover, Stainess Steel 304, 4-Rings Dia. 30, 60, 90, 100 mm

PHL-WR06	$1\mathrm{x}2$ Holes, Concentric Ring Cover, 4-Rings for JSWB-06T
PHL-WR11	$1\mathrm{x}2$ Holes, Concentric Ring Cover, 4-Rings for JSWB-11T
PHL-WR22	2 x 3 Holes, Concentric Ring Cover, 4-Rings for JSWB-22T
PHL-WR30	2 x 3 Holes, Concentric Ring Cover, 4-Rings for JSWB-30T



DISTRIBUTOR



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