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Articles

DAIHAN-brand Digital Precise Shaking Water Bath, Reciprocating Motion, "WSB", 18-/30-/45-Lit., with Certi. & Traceability with Universal Spring Rack, Digital Fuzzy Control System Available, up to 2 Lit. Flask, 20 ~ 250 rpm, up to 100°C, ±0.1°C NEW

- with Certificate & Traceability :
Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System
- Electronically Controlled Shaking Mechanism Provides Quiet Reciprocating Motion and Precise Speed Control
- Patented Shaking Mechanism : Minimum Noise and Vibration
- Patented Jog-Dial Control System and Digital LCD with Back-Light Function
- CE Certified ■ PL (Product Liability) Insurance

- * Ideal for Direct Immersion of Samples or Shaking in the Field of Biotechnology and Laboratories.
- * Hybridization Applications, Cell Cultures, Cell Aeration, Increasing Solubility Rates, Molecular Biology Assays, Bacterial Cultures
- * Stainless Steel Bath for Superior Durability & High Thermal Efficiency
- * Digital Fuzzy Control System Implementing Superior Temperature Accuracy
- * Universal Stainless Steel Spring Rack Included : for various kind of Flasks and Tubes (up to 2 ℓ)
- * User's Self-Compensation Function to Control Difference between Real Temperature and Indicated Temperature (± 10.0°C)

Specification

Model	18 Lit. "WSB-18"	30 Lit. "WSB-30"	45 Lit. "WSB-45"	
Max.Q'ty of Erlenmeyer Flask	250 ml × 4 ea	250 ml × 8 ea	250 ml × 15 ea	
Temp. Range & Accuracy	Ambient +5°C to 100 °C, ± 0.1°C			
Temp. Resolution	0.1°C – Display, 0.1°C – Control			
Temp. Uniformity & Probe	± 0.5°C, PT100			
Heating Power	1.4 kW	1.8 kW	2.4 kW	
Shaking Speed & Resolution	20 ~ 250 rpm, 1rpm – Display / 1rpm – Control			
Shaking Stroke (mm)	15, 20, 30 Available (20 as factory Default)			
Timer & Alarm	99hr 59min (Delay & Continuous run), Error status & Timer-end			
Display	Digital LCD with Back-Light Function			
Controller	Digital Fuzzy Controller with Jog-Shuttle Switch (Turn+Push)			
Safety Circuit	Over-Temp./-Current protection, Sensor Error Detection			
Rack	Included Stainless Steel Spring Rack : Universal-type			
Drain Valve	Mounted			
Material	Stainless Steel (# 304)-Internal, Powder Coated Steel-External			
Dimension (w × d × h)	Internal (mm)	300 × 300 × h200	500 × 300 × h200	600 × 380 × h200
	External (mm)	563 × 353 × h340	763 × 353 × h340	863 × 433 × h340
Packing Size (mm) & Gross Weight (kg)		620 × 420 × h450, 24 kg	820 × 420 × h450, 26 kg	920 × 500 × h450, 32 kg
	Power Supply*	1 Phase, AC 120V, 60 Hz or 230V, 50 / 60Hz		

* Other Specifications are available upon Customer's Request.

Ordering Information

- DH.WSB03018 Shaking Water Bath, 230V, 18 Lit., "WSB-18", with Cord / Plug
 DH.WSB03030 , 30 Lit., "WSB-30", with Cord / Plug
 DH.WSB03045 , 45 Lit., "WSB-45", with Cord / Plug
 DH.WSB03218 Shaking Water Bath, 120V, 18 Lit., "WSB-18", with Cord / Plug
 DH.WSB03230 , 30 Lit., "WSB-30", with Cable
 DH.WSB03245 , 45 Lit., "WSB-45", with Cable

Spare Universal Spring Rack

- DH.WSB51018 (1) Spring Rack, for 18 Lit., 245 × 270 × h110mm, "SBR018"
 DH.WSB51030 , for 30 Lit., 445 × 270 × h110mm, "SBR030"
 DH.WSB51045 , for 45 Lit., 545 × 350 × h110mm, "SBR045"

Optional Dome Lid, Stainless Steel

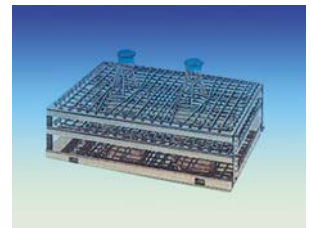
- DH.WSB02018 (2) Dome Lid, for 18 Lit., 363 × 353 × h69mm, "SBD018"
 DH.WSB02030 , for 30 Lit., 563 × 353 × h69mm, "SBD030"
 DH.WSB02045 , for 45 Lit., 663 × 433 × h69mm, "SBD045"

Validation (IQ, OQ) Service

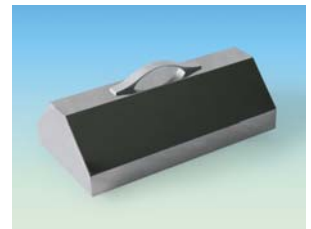
- DH.WSB31018 Validation Service(IQ, OQ), "SBV018", for 18Lit.
 DH.WSB31030 , "SBV030", for 30Lit.
 DH.WSB31045 , "SBV045", for 45Lit.



Digital Precise Shaking Water Bath "WSB-18" with Universal Spring Rack



(1) Universal Spring Rack (Included)



(2) Dome Lid, Stainless Steel (Optional)