DAIHAN® Digital General Purpose Water Bath "WB", 6 · 11 · 22 Lit, up to 100℃, ±0.1℃
With Digital Fuzzy Control System, Stainless-steel Flat Lid, and Back Light LCD, with Certi. & Traceability
정밀 범용 항온수조, 디지털 퍼지 제어 시스템, 스텐리스 스틸 리드 포함

CE up to 100℃

Back Light LCD

Patented Jog-Shuttle Control System

2-Year Warranty

Digital Precise Water Bath, 11Lit, "WB-11"

■ *Made in Korea*   ■ *CE Certified*   ■ *PL (Product Liability) Insurance*
■ *with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System*
■ *Digital Fuzzy Control System Implementing Superior Temperature Accuracy*
■ *Patented Jog-Shuttle Control System and Digital LCD with Back-Light Function*
∗ User's Self-Compensation Function to Control Difference between Real Temperature and Indicated Temperature (±10.0℃).
∗ 304 Stainless-steel Bath & Lid for Superior Durability & High Thermal Efficiency/Constant.
∗ Digital Timer Function(99hr 59min) : 'Delay Time' and 'Operation Time' can be Controlled.
∗ Storage Function for the Set Values of Temperature and Timer.
∗ Locking Mode Supported for Experimental Safety (Input to Jog-Shuttle can be Disabled).

Specifications & Ordering information

Spec. Model	"WB-6" Max. Capa. 6Lit	"WB-11" Max. Capa. 11Lit	"WB-22" Max. Capa. 22Lit
Capacity	6 Lit	11 Lit	22 Lit
Temp. Range & Accuracy	Room Temp.+5℃~ 100℃, ±0.1℃		
Temp. Resolution	0.1℃-Display, 0.1℃-Control		
Temp. Uniformity & Probe	±1.0℃, PT100		
Heating Power	800 W	1 kW	2 kW
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		
Material	Stainless-steel (# 304)-Internal, Powder Coated steel-External		
Lid	included Stainless-steel Flat Lid, Optional Dome Lid		
Drain Valve	None		Mounted(ϕ9.5~11mm)
Dimension (w×d×h) — Effective Space	300×155×h110mm	302×240×h110mm	500×295×h110mm
Dimension (w×d×h) — Internal	300×155×h150mm	302×240×h150mm	500×295×h150mm
Dimension (w×d×h) — External	325×180×h260mm	325×265×h260mm	535×330×h260mm
Packing Size (mm) and Gross Weight (kg)	350×210×h310mm, 8 kg	350×300×h310mm, 10 kg	570×360×h310mm, 14 kg
Electrical Reqts.	1 Phase, AC 120V, 60Hz or AC 230V, 50 / 60Hz		
Cat. No. — 230V	DH.WB000106	DH.WB000111	DH.WB000122
Cat. No. — 120V	DH.WB000206	DH.WB000211	DH.WB000222
Price, Each. ₩			

* Other Specifications are available upon Customer's Request.

(1) Flat Lid, Stainless-steel (Included)

(2) Dome Lid, Stainless-steel

(3) "BFC106" Lid with Concentric Ring Cover Sets for 6Lit

(4) "BFC111" Lid with Concentric Ring Cover Sets for 11Lit

(5) "BFC122" Lid with Concentric Ring Cover Sets for 22Lit Bath

(6) Test Tube Rack, Stainless-steel

Optional Lid and Tube Rack, Stainless-steel

Ea. Price, ₩

DH.WB010206 (2) Dome Lid, for **6 Lit,** 324×176×h100mm, **"BD206"**
DH.WB010211   , for **11 Lit,** 324×263×h100mm, **"BD211"**
DH.WB010222   , for **22 Lit,** 533×328×h100mm, **"BD222"**
DH.WB030106 (3) Lid with 2×Concentric Ring Cover Sets, for **6 Lit,** Stainless-steel, 330×182×h20mm, **"BFC106"**
DH.WB030111 (4) Lid with 2×Concentric Ring Cover Sets, for **11 Lit,** Stainless-steel, 329×269×h20mm, **"BFC111"**
DH.WB030122 (5) Lid with 6×Concentric Ring Cover Sets, for **22 Lit,** Stainless-steel, 539×334×h20mm, **"BFC122"**
DH.WB020106 (6) Tube Rack, for **6 Lit**, 36Hole×ϕ17mm, **"BTH106"**, Stainless-steel, 220×125×h78.5mm
DH.WB020206 (6) Tube Rack, for **6 Lit**, 15Hole×ϕ32mm, **"BTH206"**, Stainless-steel, 220×125×h78.5mm
DH.WB020111 (6) Tube Rack, for **11 Lit**, 63Hole×ϕ17mm, **"BTH111"**, Stainless-steel, 220×205×h78.5mm
DH.WB020211 (6) Tube Rack, for **11 Lit**, 25Hole×ϕ32mm, **"BTH211"**, Stainless-steel, 220×205×h78.5mm

Water Bath with Validation (IQ, OQ) Service

Ea. Price, ₩

DH.WB040106 Validation Service(IQ, OQ), with "WB-6" , **"BV106"**
DH.WB040111   , with "WB-11", **"BV111"**
DH.WB040122   , with "WB-22", **"BV122"**

DAIHAN® Digital High Temperature Oil Bath "WHB", 6 · 11 · 22 Lit, up to 250℃, ±1.5℃

With Stainless-steel Flat Lid, Digital Fuzzy Control System, Back Light LCD, with Certi. & Traceability
정밀 고온 오일 배스, 디지털 퍼지 제어 시스템, 스텐리스 스틸 리드 포함

CE
up to 250℃
2-Year Warranty

Digital Fuzzy Controller
Back Light LCD
Patented Jog-Shuttle Control System

Digital High Temperature Oil Bath, 11Lit, "WHB-11"

Included Flat Lid, Stainless-steel

■ *Made in Korea.*   ■ *CE Certified*   ■ *PL (Product Liability) Insurance.*
■ *with Certificate & Traceability : Controlled by Serial Number, Certificate,*
  Delivery-information, and Traceable Data Base System.
■ *Digital Fuzzy Control System Implementing Superior Temperature Accuracy.*
■ *Patented Jog-Shuttle Control System and Digital LCD with Back-Light Function.*
＊Rustless 304 Stainless-steel Bath having 1.2mm & Ceramic Fiber Insulator of 50mm Thickness.
＊User's Self-Compensation Function to Control Difference between Real Temp. and Indicated Temp.
＊Storage Function for the Set Values of Temperature & Timer.
＊Alarm & Digital Timer : 'Delay Time' and 'Operation Time' can be Controlled.
＊Locking Mode Supported for Experimental Safety (Input to Jog-Shuttle can be Disabled).

Specifications & Ordering information

Spec. Model	"WHB-6" Max. Capa. 6Lit	"WHB-11" Max. Capa. 11Lit	"WHB-22" Max. Capa. 22Lit
Capacity	6 Lit	11 Lit	22 Lit
Temp. Range & Accuracy	Room Temp +5℃ to 250℃, ±1.5℃		
Temp. Uniformity & Probe	±3.0℃, PT100		
Heating Power	1.5 kW	2.0 kW	2.5 kW
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		
Material	Stainless-steel (#304)-Internal, Powder Coated steel-External, 50 mm Thickness Ceramic Fiber-Insulation		
Lid	Stainless-steel Flat Lid Included		
Drain Valve	Mounted		
Dimension (w×d×h) — Effective Space	270×180×h110 mm	300×250×h110 mm	400×300×h140 mm
Dimension (w×d×h) — Mounted	270×180×h150 mm	300×250×h150 mm	400×300×h180 mm
Dimension (w×d×h) — External	425×305×h340 mm	425×375×h340 mm	525×425×h370 mm
Packing Size (mm) & Gross Weight	470×400×h500 mm, 23 kg	600×490×h500 mm, 25 kg	600×490×h500 mm, 39 kg
Electrical Reqts.	1 Phase, AC 120V, 60Hz or 230V, 50 / 60Hz		
Cat. No. — 230V	DH.WHB00106	DH.WHB00111	DH.WHB00122
Cat. No. — 120V	DH.WHB00206	DH.WHB00211	DH.WHB00222
Price, Each. ₩			

＊ Other Specifications are available upon Customer's Request.

High-Temp. Oil Bath with Validation (IQ, OQ) Service

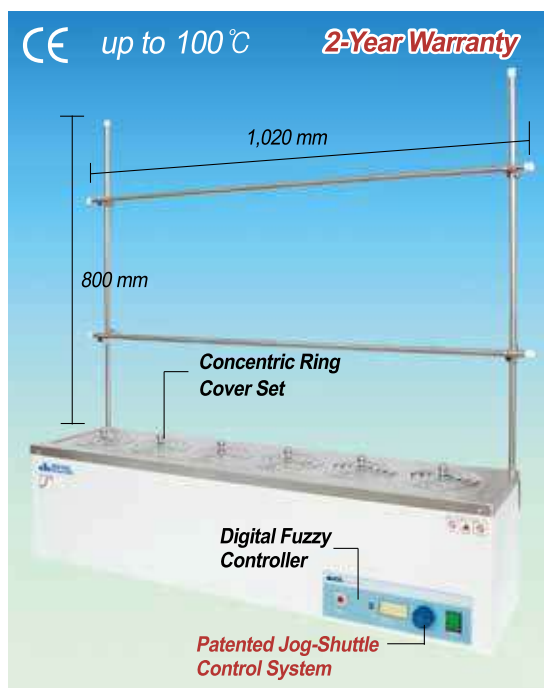|		Ea. Price, ₩
DH.WHB40106	Validation Service(IQ, OQ), with **"WHB-6"**, **"HBV106"**	
DH.WHB40111	, with **"WHB-11"**, **"HBV111"**	
DH.WHB40122	, with **"WHB-22"**, **"HBV122"**	

※ See page 37 for the Heating Transfer Fluid ;
▶ SYN THERM 22L® −5+320℃ Heating Transfer Fluid
▶ Therminol D12® −85+230℃ Cooling/Heating Transfer Fluid

DAIHAN® Extraction Water Bath "WEB", Multi-purpose, 4 · 6 · 8 Place, with Certi. & Traceability
With Concentric Ring Cover Sets & Holding Frame, Digital Fuzzy Control, Back Light LCD, up to 100℃, ±0.2℃
다용도 추출용 항온수조, 4 · 6 · 8 구, 컨센트릭 링 커버 세트 & 홀딩 프레임 포함

CE up to 100℃

700 mm

800 mm

Concentric Ring Cover Set

Digital Fuzzy Controller

Patented Jog-Shuttle Control System

2-Year Warranty

4-Place Extraction Water Bath "WEB-4"

CE up to 100℃　　2-Year Warranty

1,020 mm

800 mm

Concentric Ring Cover Set

Digital Fuzzy Controller

Patented Jog-Shuttle Control System
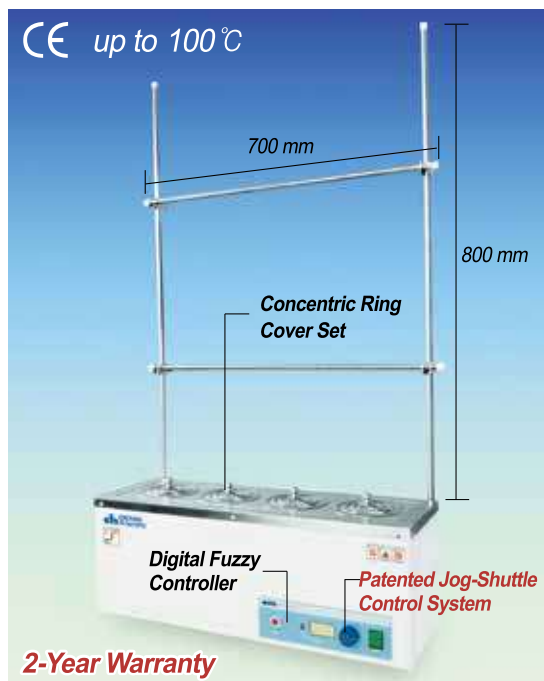
6-Place Extraction Water Bath "WEB-6"

(1) Lid with Concentric Ring Cover Set (Included)

■ *Made in Korea*　　■ *CE Certified*　　■ *PL (Product Liability) Insurance*
■ *with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System*
■ *Ideal for Gentle Extraction, Soxhlet Extraction and Determination of COD*
■ *Digital Fuzzy Control System Implementing Superior Temperature Accuracy*
■ *Concentric Ring Cover Sets make Effective Steaming Work*
■ *Patented Jog-Shuttle Control System and Digital LCD with Back-Light Function*

∗ 4 · 6 · 8 Extraction Place are available.
∗ Included Concentric Ring Cover Set & Holding Frame
∗ User's Self-compensation Function to Control Difference between Real Temperature and Indicated Temperature (±10.0℃).
∗ High Quality 304 Stainless-steel Bath and Holding Frame for Superior Durability.
∗ Storage Function for the Set Values of Temperature and Timer.
∗ Alarm Function : Error Status and Timer-end.
∗ Locking Mode Supported for Experimental Safety (Input to Jog-Shuttle can be Disabled).

Specifications & Ordering information

Spec.　　　　Model	"WEB-4" 4 Place	"WEB-6" 6 Place	"WEB-8" 8 Place
Temp. Range & Accuracy	Room Temp. +5 ℃ to 100 ℃, ±0.2℃		
Temp. Uniformity & Sensor	±1.0℃, PT100		
No. of Extraction Holes	4 Place	6 Place	8(4×2) Place
Heating Power	1.4 kW	1.8 kW	1.4 kW×2
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, Leakage Breaker		
Material	Stainless-steel (#304)-Internal, Powder Coated steel-External, Stainless-steel Holding Frame		
Flask Capacity	250 ~ 500ml Flask		
Lid	Concentric Ring Cover Set Included		
Top Opening Dia.	Φ36 · Φ65 · Φ96 · Φ110mm		
Bath Depth	122mm		
Drain Valve	Mounted		
Dimension (w×d×h) Internal	610×160×h160 mm	910×140×h160 mm	610×290×h160 mm
Dimension (w×d×h) External	680×245×h275 mm	975×245×h275 mm	720×375×h275 mm
Packing Size (mm) and Gross Weight (kg)	1,100×350×h400, 18 kg	1,250×350×h400, 25 kg	900×450×h400, 34 kg
Electrical Reqts.	1 Phase, AC 120V, 60Hz or 230V, 50 / 60Hz		
Cat. No. 230V	DH.WEB01004	DH.WEB01006	DH.WEB01008
Cat. No. 120V	DH.WEB02004	DH.WEB02006	DH.WEB02008
Price, Each. ₩			

* Other Specifications are available upon Customer's Request.　　※ 운임 약 ₩ 9,000 별도!

Spare Lid with Concentric Ring Cover Set and Holding Frame Set

Ea.　Price, ₩

DH.WEB11000　(1) Lid with Concentric Ring Cover Set, "EBC100", for all "WEB" models
DH.WEB21004　Holding Frame Set, "EBF100", for "WEB-4", 2ea×800mm Pole & 2ea×700mm Pole
DH.WEB21006　Holding Frame Set, "EBF200", for "WEB-6", 2ea×800mm Pole & 2ea×1,020mm Pole
DH.WEB21008　Holding Frame Set, "EBF300", for "WEB-8", 4ea×800mm Pole & 4ea×740mm Pole

Articles	Cat. No	Description

DAIHAN® Digital Precise Shaking Water Bath "MaXturdy™", Reciprocating Motion, 18 · 30 · 45 Lit

With Universal Spring Rack, Digital Fuzzy Control, up to 2 Lit Flask, 20~250 rpm, up to 100℃, ±0.1℃, with Certi. & Traceability

정밀 진탕 항온수조, 왕복 진탕 운동, 디지털 피드백 제어, 고성능 쉐이킹 엔진 탑재

up to 100℃

Stainless-steel Spring Rack

Jog-Dial with Push Button

Reciprocating Shaking Motion

2-Year Warranty

Digital Precise Shaking Water Bath Max. 30Lit, "MaXturdy™ 30"

(1) Universal Spring Rack (Included)
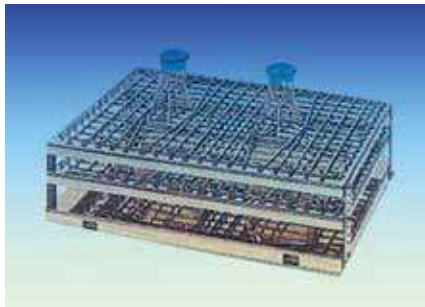
(2) Dome Lid, Stainless-steel (Optional)

■ **Made in Korea**　　■ **CE Certified**　　■ **PL (Product Liability) Insurance**
■ **with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System**
■ **Digital Fuzzy Controller Provides Precise Temperature Control**
■ **Digital Feedback Controller Provides Precise Speed Control**
■ **Hi-Performance Shaking Engine ensures Best Smoothly Shaking Motion and Minimum Noise and Vibration**
■ **Easy to Disassemble Spring Rack for Cleaning**
■ **Patented Shaking Mechanism : Minimum Noise and Vibration**
■ **Patented Jog-Dial Control System and Digital LCD with Back-Light**
✳ 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
✳ Universal Stainless-steel Spring Rack Included : for various kind of Flasks and Tubes (up to 2ℓ)
✳ User's Self-Compensation Function to Control Difference between Real Temperature and Indicated Temperature (±10.0℃)
✳ Over Temp., Over Current Protection and Sensor Error Detection
✳ Digital Timer Function : 'Delay Time' and 'Operation Time' : Can be Controlled

Specifications & Ordering information

Spec.　　　　　　　　Model	"MaXturdy™ 18" Max. Capa. 18Lit	"MaXturdy™ 30" Max. Capa. 30Lit	"MaXturdy™ 45" Max. Capa. 45Lit
Capacity	18 Lit	30 Lit	45 Lit
Max.Q'ty of Erlenmeyer Flask	250 ml×6 ea, 500 ml×4 ea, 1000 ml×1 ea	250 ml×10 ea, 500 ml×8 ea, 1000 ml×3 ea	250 ml×18 ea, 500 ml×15 ea, 1000 ml×8 ea
Temp. Range & Accuracy	Room Temp. +5℃ to 100 ℃, ±0.1℃		
Temp. Resolution	0.1℃-Display, 0.1℃-Control		
Temp. Uniformity & Probe	±0.5℃ , 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
Dimension (w×d×h) 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
Electric Reqts.	1 Phase, AC 120V, 60 Hz or 230V, 50 / 60Hz		
Cat. No. 230V	DH.WSB03018	DH.WSB03030	DH.WSB03045
Cat. No. 120V	DH.WSB03218	DH.WSB03230	DH.WSB03245
Price, Each. ₩			

* Other Specifications are available upon Customer's Request.　　※ 운임 약 ₩ 16,000 별도!

Spare Universal Spring Rack

	Ea.　Price, ₩

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 Stainless-steel Dome Lid

	Ea.　Price, ₩

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"**

Shaking Water Bath with Validation (IQ, OQ) Service

	Ea.　Price, ₩

DH.WSB31018　　Validation Service(IQ, OQ), with "MaXturdy 18", **"SBV018"**
DH.WSB31030　　　　　　　　　, with "MaXturdy 30", **"SBV030"**
DH.WSB31045　　　　　　　　　, with "MaXturdy 45", **"SBV045"**

Articles	Cat. No	Description

DAIHAN® Digital Precise Viscosity Bath "WVB", Useful 5×Viscometer, Max. 30Lit/min, up to 100℃, ±0.1℃
With 5 Holes Stainless-steel Lid for Viscometer Holder, Available Reverse & Routine-type Viscometer, Transparent Window
투시형 정밀 점도 항온수조, 5×점도계 사용가능, 디지털 퍼지 제어 시스템, 5-구 스텐리스 스틸 리드포함

CE *up to 100℃*

Patented Jog-Shuttle Control System

Viscometer Holder

Flat Lid for Viscometer Holder

Transparent Window

2-Year Warranty

Max. 30Lit/min Viscosity Bath "WVB-30", included Flat Lid for Viscometer Holder (without Viscometer Holder)

Viscometer

Viscometer Holder

Flat Lid with Viscometer Holder
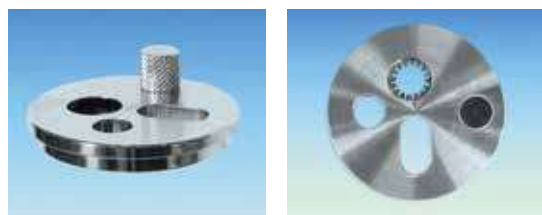
(1) Viscometer Holder "WVB02010" (Optional)

■ *Made in Korea*　　■ *CE Certified*　　■ *PL (Product Liability) Insurance*
■ *with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System*
■ *Used for Precise Measurement with Capillary Viscometers*
■ *Digital Fuzzy Control System Implementing Superior Temperature Accuracy*
■ *Powerful Circulation Pump ensures Highest Uniformity of Temperature*
■ *Viscometer Holder : Available Reverse & Routine-type Viscometer*
■ *Patented Jog-Shuttle Control System and Digital LCD with Back-Light Function.*
＊ Stainless-steel(#304) made inner bath
＊ Stainless-steel Lid Contains Five Holes for Insertion of Viscometer Holders
＊ User's Self-compensation Function to Control Difference between Real Temperature and Indicated Temperature
＊ Storage Function for the Set Values of Temperature and Time
＊ Locking Mode Supported for Experimental Safety (Input to Jog-Shuttle can be Disabled)
＊ Included Flat Lid for Viscometer(without Viscometer Holder)
＊ Over Temp., Over Current Protection and Sensor Error Detection
＊ Digital Timer Function : 'Delay Time' and 'Operation Time' : Can be Controlled

Specifications & Ordering information

Spec.　　　　　　　Model	"WVB-30" Max. Flow 30Lit/min
Range & Accuracy	Room Temp. +5℃ to 100 ℃, ±0.1℃
Temp. Resolution	0.1℃-Display, 0.1℃-Control
Temp. Uniformity & Probe	±0.2℃ , PT100
Heating Power	2 kW
Pump	Magnetic Drive, Max. Flow 30 Lit/min
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
Lid	Included 5 Holes Stainless-steel Lid for Viscometer Holder
Drain Valve	Mounted
Viewing Window Size(mm)	230×180
Material	Stainless-steel (#304)-Internal, Powder Coated steel-External, Vacuum Sealed and Tempered Safety Pair Glasses-Window
Dimension (w×d×h)	Effective Space (mm)	330×300×h260 mm
	Internal (mm)	350×300×h300 mm
	External (mm)	585×375×h420 mm
Packing Size (mm) & Gross Weight (kg)	640×450×h500 mm, 24 kg
Electric Reqts.	1 Phase, AC 120V, 60Hz or 230V, 50 / 60Hz
Cat. No.	230V	DH.WVB01030
	120V	DH.WVB02030
Price, Each. ₩		

* *Other Specifications are available upon Customer's Request.*　　※ 운임 약 ₩ 16,000 별도!

Spare Stainless-steel Flat Lid for Viscometer Holder

	Ea.　Price, ₩

DH.WVB11030　　Flat Lid, for **30 Lit**, w380×d330, 5×Φ50mm Holes, **"VBF030"**

Optional Viscometer Holder

	Ea.　Price, ₩

DH.WVB02010　　(1) Viscometer Holder, **"WVB02010"** for SI Analytics® Ostwald, Ubbelohde
DH.WVB02011　　Viscometer Holder, **"WVB02011"** for SI Analytics® Cannon-Fenske, Witeg® Ubbelohde, Cannon-Fenske
DH.WVB02012　　Viscometer Holder, **"WVB02012"** for Thread-type Ubbelohde

Viscosity Bath Validation (IQ, OQ) Service

	Ea.　Price, ₩

DH.WVB31030　　Validation Service(IQ, OQ), with "WVB-30", **"VBV030"**

Articles	Cat. No	Description

DAIHAN® Digital Precise Circulation Water Bath "WCB", 6 · 11 · 22 Lit, with Certi. & Traceability
With Stainless-steel Flat Lid, Powerful Circulation Pump, up to 100℃, ±0.1℃, 5 Lit/min, 정밀 항온 순환 수조

up to 100℃

Flat Lid

Digital Fuzzy Controller

Patented Jog-Shuttle Control System

2-Year Warranty

Digital Precise Circulation Water Bath Max. 22Lit, "WCB-22"

Flat Lid, Stainless-steel (Included)

■ **Made in Korea**   ■ **CE Certified**   ■ **PL (Product Liability) Insurance**
■ **with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System**
■ **Digital Fuzzy Control System Implementing Superior Temperature Accuracy**
■ *Patented Jog-Shuttle Control System and Digital LCD with Back-Light Function*
∗ Ideal for Biotechnology, Clinical, Environmental, Medical, Petroleum, Food Industry, Pharmaceutical and Industrial Applications.   ∗ Alarm function : Error Status and Timer-end
∗ Warning and Automatic Stop Function in case of Liquid Shortage.
∗ Powerful Circulation Pump Assures Temp. Uniformity : Internal and External Circulation.
∗ Connection with Evaporators and Viscometers is applicable.

Specifications & Ordering information

Spec. Model	"WCB-6" Max. Capa. 6Lit	"WCB-11" Max. Capa. 11Lit	"WCB-22" Max. Capa. 22Lit
Capacity	6 Lit	11 Lit	22 Lit
Temp. Range & Accuracy	Room Temp. +5℃~ 100℃, ±0.1℃		
Temp. Resolution	0.1℃-Display, 0.1℃-Control		
Temp. Uniformity & Probe	±0.2℃, PT100		
Heating Power	800 W	1 kW	2 kW
Pump	5 Lit / min (Internal / External)		
Circulation Nozzle	id.7×od.11 mm (id.9 / od.12mm silicon tube connected for inner circulation)		
Timer & Alarm	99hr 59min (Delay & Continuous run), Error status & Timer-end		
Controller & Display	Digital Fuzzy Controller with Back Light Digital LCD		
Safety Circuit	Over-Temp./-Current protection, Sensor Error & Low Level Detection		
Material	Stainless-steel (#304)-Internal, Powder Coated steel-External		
Drain Valve	None		Mounted(φ9.5~11mm)
Dimension (w×d×h) Effective Space	120×155×h150 mm	170×240×h150 mm	372×295×h150 mm
Internal	300×155×h150 mm	302×240×h150 mm	500×295×h150 mm
External	330×185×h385 mm	335×275×h385 mm	540×335×h410 mm
Packing Size (mm) and Gross Weight (kg)	350×210×h410mm, 11 kg	360×300×h420mm, 13 kg	580×380×h470mm, 18 kg
Electrical Reqts.	1 Phase, AC 120V, 60Hz or AC 230V, 50 / 60Hz		
Cat. No. 230V	DH.WCB00106	DH.WCB00111	DH.WCB00122
120V	DH.WCB00206	DH.WCB00211	DH.WCB00222
Price, Each. ₩			

* Other Specifications are available upon Customer's Request.   ※ 운임 약 ₩ 9,000 별도!

DAIHAN® Digital Precise Circulation Immersion Pump Head "WCB-H", 11 & 22 Lit, up to 100℃
With Digital Fuzzy Control System, Certi. & Traceability, Power Circulation Pump, 5 Lit/min, 정밀 항온 순환기

up to 100℃

Patented Jog-Shuttle Control System

Digital Fuzzy Controller

320mm

2-Year Warranty 115mm   130mm

11 & 22Lit, Immersion Circulator Head "WCB-H"

Side   *Rear*

■ **Made in Korea**   ■ **CE Certified**   ■ **PL (Product Liability) Insurance**
■ **with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System**
■ **Digital Fuzzy Control System Implementing Superior Temperature Accuracy**
■ *Patented Jog-Shuttle Control System and Digital LCD with Back-Light Function*
∗ Ideal for Biotechnology, Clinical, Environmental, Medical, Petroleum, Food Industry, Pharmaceutical and Industrial Applications.   ∗ Alarm function : Error Status and Timer-end
∗ Powerful Circulation Pump Assures Temp. Uniformity : Internal and External Circulation.

Specifications & Ordering information

Spec. Model	"WCB-11H" Max. Capa. 11Lit	"WCB-22H" Max. Capa. 22Lit
Temp. Range & Sensor	Room Temp. +5℃~ 100℃, PT100	
Heating Power & Pump	1 kW, 5 Lit/min	2 kW, 5 Lit/min
Timer & Alarm	99hr 59min (Delay & Continuous run), Error status & Timer-end	
Controller & Display	Digital Fuzzy Controller with Back Light Digital LCD	
Safety Circuit	Over-Temp./-Current protector, Sensor Error & Low Level Detection	
Dimension	130×165×h320 mm	
Packing Size (mm) and Gross Weight (kg)	400×280×h200 mm, 8 kg	400×280×h200 mm, 10 kg
Electrical Reqts.	1 Phase, AC 120V, 60Hz or AC 230V, 50 / 60Hz	
Cat. No. 230V	DH.WCB10011	DH.WCB10022
120V	DH.WCB20011	DH.WCB20022
Price, Each. ₩		