Baths & Circulators

Lab Companion
Best Products for Reliable Results

www.JEIOTECH.com

Lab Companion

Best Products for Reliable Results

JEIO TECH was established in 1988 with the goal of delivering the best laboratory equipments for the reliable results. We always strive to develop high technology with ergonomic design for better products. We are eager to take on new challenges in developing a product the best suits you!

Our reliable instruments will offer you analytical solutions in the field of biology , chemistry, medicine, pharmacology and so forth. We are driven by innovation and our extensive product lines are at the cutting-edge globally in both scientific and industrial research instrument markets.

While continuously focusing on human resources and technology, development, we strive to make a significant difference in various research areas.
our top priority is to provide the world's best products and services through outstanding quality and customer satisfaction at affordable prices.

We hope you enjoy the discovery of JeioTech and it's products.

Lab Companion

Heating Baths

Heating Baths(economy)

Amb. +7 to 100℃ BW-05B/10B/20B
Amb. +5 to 100℃ BW-05H/10H/20H
..... BW-0505H/0510H/1010H/1020H

Heating Baths(general)

Amb. +5 to 100℃ BW-05G/10G/20G

Shaking & Heating Baths

Amb. +5 to 100℃ BS-06/11/21/31

Bath Circulators

Heating Bath Circulators

Amb. +5 to 150℃ ..... CW- 05G/10G/20G/30G

Refrigerated &
Heating Bath Circulators

Amb. -25 to 150℃ RW-0525G/1025G/2025G/3025G
Amb. -35 to 150℃ RW-0540G/1040G/2040G/3040G

Viscometer Heating Bath

Amb. +5 to 150℃ VB-25G/40G

Cold Trap Bath

Down to -40℃ CTB-10

Technical Benefit

Optimum Control Features

Lab Companion

Precision

Microprocessor PID control
Simple calibration and Auto tuning function
(except for BW-B Models)

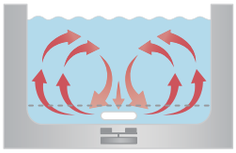
Safety

Protection against overheating by automatic power cutoff from the heater and controller in sequence

Fuses for protecting against overcurrent

Protection against low fluid level and dry running
(except for BW-B/H Models)

Agitation System



Thanks to our patented agitation system, all of our water baths boast exceptional temperature stability (only for BW-H Models)

Convenient Display

Preset three most commonly used temp. settings provided

Splash-proof and easy-to-clean keypad and bright LED displays

A quick lock button preventing accidental resetting of parameters

PC control

Computer Interface

RS-232 Communication Interface
(for VB, CW, RW models)

Technical Benefit

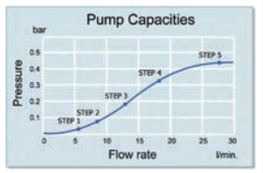
Constructional Features

Lab Companion

Stainless steel Bath

High-quality 304 grade stainless steel interior bath and dirt-repellent powder coating for all external surface

Pump Control



Five speed duplex pump is easy to control pump capacities and pressures
(only for CW, RW models)

Suction Pump

Suction device for powerful external and internal circulation

Maximum suction flow rate is 10.0 liters per minute (only for CW-G and RW-G Models - optional)

Various accessories

Wide selection of accessories can be equipped with each models

Heating Baths

BW-05B/10B/20B/05H/10H/20H/0505H/0510H/1010H/1020H (up to 100°C)

Lab Companion

Heating Baths(economy)

Economical water baths
for optimal temperature control

Analog Models (BW-10B)

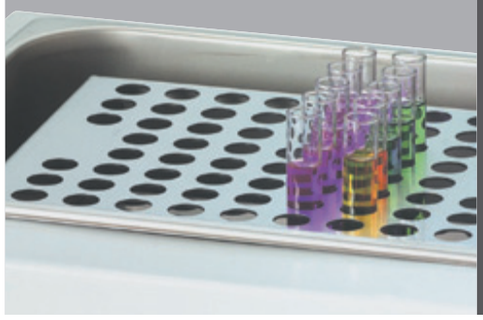
Digital Models (BW-10H)

Dual Models (BW-0510H)

Analog Models		BW-05B		BW-10B		BW-20B	
Bath Volume (L / cu ft)		3.5 / 0.1		11.5 / 0.4		20 / 0.7	
Working Temperature Range (℃ /°F)		Amb. +7 to 100 / Amb. +12.6 to 212					
Temperature Stability [1] (±℃ /°F)		0.5 / 0.9					
Dimension	Bath Opening / Depth (W×L, D) (mm / inch)	240×136, 115 /9.4×5.4, 4.5		300×240, 165 /11.8×9.5, 6.5		498×300, 165 /19.6×11.8, 6.5	
	Overall (W×L×H, H) (mm / inch)	303×242×245 /11.9×9.5×9.6		357×330×290 /14.1×13×11.4		564×392×290 /22.2×15.4×11.6	
	Net Weight (kg / lbs)	6.5 / 14.3		10 / 22		18.5 / 40.8	
Electrical Requirements (230V)		60Hz, 3A	50Hz, 3A	60Hz, 4.3A	50Hz, 4.3A	60Hz, 8.7A	50Hz, 8.7A
Cat. No.		AAH46011K	AAH46012K	AAH46021K	AAH46022K	AAH46031K	AAH46032K
Electrical Requirements (120V)		60Hz, 5.8A		60Hz, 8.3A		60Hz, 8.3A	
Cat. No.		AAH46013U		AAH46023U		AAH46033U	

Digital & Dual Models		BW-05H	BW-10H	BW-20H	BW-0505H	BW-0510H	BW-1010H	BW-1020H
Bath Volume (L / cu ft)		3.5 / 0.1	11.5 / 0.4	20 / 0.7	3.5&3.5 / 0.1&0.1	3.5&11.5 / 0.1&0.4	11.5&11.5 / 0.4&0.4	11.5&20 / 0.4&0.7
Working Temperature Range (℃ /°F)		Amb. +5 to 100 / Amb. +9 to 212						
Temperature Stability [1] (±℃ /°F)		±0.1 / 0.18						
Dimension	Bath Opening / Depth (W×L, D&W×L, D) (mm / inch)	240×136, 115 /9.4×5.4, 4.5	300×240, 165 /11.8×9.5, 6.5	498×300, 165 /19.6×11.8, 6.5	240×136, 150 Per chamber	240×136, 150 &300×240, 200	300×240, 200 Per chamber	300×240, 200 &498×300, 200
					9.4×5.4, 5.9 Per chamber	9.4×5.4, 5.9 &11.8×9.5, 7.9	11.8×9.5, 7.9 Per chamber	11.8×9.5, 7.9 &19.6×11.8, 7.9
	Overall (W×L, D&W×L, D) (mm / inch)	307×216×266 /12.1×8.5×10.5	364×316×318 /14.3×14.4×12.5	564×372×318 /22.2×14.6×12.5	590×200×265 /23.2×7.8×10.4	544×300×318 /21.4×11.8×12.5	706×300×318 /27.8×11.8×12.5	844×356×318 /33.2×14.6×12.5
	Net Weight (kg / lbs)	6.5 / 14.3	9.5 / 21	15.5 / 34.2	9.7 / 21.3	12.4 / 27.3	14 / 30.8	17.6 / 38.7
Electrical Requirements (230V, 50 / 60Hz)		3.0A	4.3A	8.7A	3 & 3A	3 & 4.3A	4.3A & 4.3A	4.3A & 8.7A
Cat. No.		AAH45115K	AAH45125K	AAH45135K	AAH47115K	AAH47125K	AAH47135K	AAH47145K
Electrical Requirements (120V, 60Hz)		5.8A	8.3A	8.3A	5.8A & 5.8A	5.8A & 8.3A	8.3A & 8.3A	8.3A & 8.3A
Cat. No.		AAH45113U	AAH45123U	AAH45133U	AAH47113U	AAH47123U	AAH47133U	AAH47143U

1) Technical data according to DIN 12876.



Operating Features of BW-B (Analog Models)

- +7°C above room temp. to 100°C
- On / Off temperature control
- Over-temperature protection with alarm
- Analog knob with fine adjustment

Operating Features of BW-H (Digital & Dual Models)

- +5°C above room temp. to 100°C
- Microprocessor PID temp. control
- Over-temperature protection with alarm
- Digital LED displays of temp. readouts and set. temperature values to 0.1°C or 1°C

Common Features of BW-B/H

- Low-profile design with sloped control panel for easier access and better safety
- Additional inner circulation system using our patented agitator (for Digital & Dual Models)
- Individually programmable and temperature controllable dual reservoirs (for Dual Models)
- Various optional accessories: gable and flat covers, test tube racks, spring wire racks, half-shelf adjusters, etc.

OPTIONAL

- Transparent Polypropylene Gable Covers, Open-ring Cover
- Stainless Steel Flat Covers, Test Tube Racks, Spring Wire Racks, Half-shelf Adjusters

For further information of optional accessories, please visit *www.jeiotech.com*

Heating Baths

BW-05G/10G/20G (Amb. +5 to 100°C)

Lab Companion

Heating Baths(general)

Outstanding temperature control water baths for diverse applications

Model		BW-05G	BW-10G	BW-20G
Bath Volume (L / cu ft)		5 / 0.2	10 / 0.4	20 / 0.7
Working Temperature Range (℃ / °F)		Amb. +5 to 100 / Amb. +9 to 212		
Temperature Stability[1] (±℃ / °F)		0.2 / 0.36		
Dimension	Bath Opening / Depth (W×L, D) (mm / inch)	231×150, 160 / 9.1×5.9, 6.3	285×211, 180 / 11.2×8.3, 7.1	345×290, 200 / 13.6×11.4, 7.9
	Overall / with Gable Cover (W×L×H) (mm / inch)	355×260×334 / 14×10.2×13.1	410×311×354 / 16.1×12.2×14	471×390×374 / 18.5×15.4×14.7
	Net Weight (kg / lbs)	10 / 22	14 / 31	18 / 40
Electrical Requirements (230V, 50 / 60Hz)		3A	4.4A	8.7A
Cat. No.		AAH41405K	AAH41415K	AAH41425K
Electrical Requirements (120V, 50 / 60Hz)		5.8A	8.3A	8.3A
Cat. No.		AAH41406U	AAH41416U	AAH41426U

1) Technical data according to DIN 12876.

+5°C above room temp. to 100°C

Microprocessor PID control/ Automatic tuning/ Calibration

Digital timer for delayed ON / OFF (from 1 min to 99 hr 59 min)

Protection against over-temp. and low fluid level

Convenient memory function of up to three frequently used temperature settings

Digital LED display (0.1°C resolution)

Splash-proof keypad

Corrosion-resistant stainless steel construction of all wetted parts allowing other bath fluids as well as water and silicone fluids

Low-profile reservoir design with easy-to-use digital controller with dual LED displays

Protection against low fluid level and dry-running with audible and visual alarms

Automatic shut down of the heater following the alarms

Isolated design of heater, and sensor by a baffle plate to protect users and samples against direct contact

STANDARD

• Stainless Steel Flat Type Cover

OPTIONAL

• Open-rings Covers
• Test Tube Racks, Spring Wire Racks
• Half-shelf Adjusters

For further information of optional accessories, Please visit *www.jeiotech.com*

Shaking & Heating Baths

BS-06/11/21/31 (Amb. +5 to 100°C)

Lab Companion

Reciprocal shaking & heating baths

Rapid and accurate shaking by adopting silent and anti-vibration BLDC motors

Model		BS-06	BS-11	BS-21	BS-31
Bath Volume (L / cu ft)		17 / 0.6	25 / 0.9	37 / 1.3	55 / 1.9
Working Temperature Range (℃ /°F)		Amb. +5 to 100 / Amb. +9 to 212			
Temperature Stability [1] (±℃ /°F)		0.2 / 0.36			
Shaking System	Motion / Speed Range (RPM)	Reciprocating / 20 to 180			
	Recip Stroke Length (mm / inch)	25, 30, 35 / 1.0, 1.2, 1.4 Available - Standard 30 / 1.2			
Dimension	Bath Opening /Depth (W×L, D) (mm / inch)	109×243, 235 / 4.3×9.6, 9.3	229×243, 235 / 9.0×9.6, 9.3	389×243, 235 / 15.3×9.6, 9.3	670×350, 235 / 26.4×13.8, 9.3
	Overall (W×L×H) (mm / inch)	430×440×355 / 16.9×17.3×14	550×440×355 / 21.7×17.3×14	710×440×355 / 28×17.3×14.3	860×490×355 / 33.9×19.3×14
	Net Weight (kg / lbs)	26 / 57	30 / 66	35 / 77	42 / 93
Electrical Requirements (230V, 60Hz)		3.7A	4.6A	8.9A	8.9A
Cat. No.		AAH44061K	AAH44111K	AAH44211K	AAH44311K
Electrical Requirements (230V, 50Hz)		3.7A	4.6A	8.9A	8.9A
Cat. No.		AAH44062K	AAH44112K	AAH44212K	AAH44312K
Electrical Requirements (120V, 60Hz)		7.1A	8.8A	-	-
Cat. No.		AAH44063U	AAH44113U		

* BS-21 and BS-31 Models are available ONLY for 230V.
1) Technical data according to DIN 12876.

+5°C above room temp. to 100°C

Selectable reciprocating stroke length: 25, 30, 35mm

Microprocessor PID control/ Auto-tuning/ Calibration

Digital timer for delayed ON / OFF (from 1 min to 99 hr 59 min)

Protection against over-temp.

Digital LED display (0.1°C resolution)

Splash-proof keypad

Separate control keys for shaker mechanism allowing the unit also to be used as a constant temperature bath

Minimal shock to the samples thanks to the shaker's gentle start feature

Multiple LED displays for setting various values

Isolated design of agitator, heater, and sensor by a baffle plate to minimize the turbulence in the bath fluid and also to protect users and samples against direct contact

Removable shaking carriage designed for external assembly avoiding direct contact with the bath fluid

Minimization of the liquid loss and dripping of the bath liquid into the samples thanks to the included gable cover

Included SUS 304 spring wire rack with double-two-tier providing various ways of glassware settings

STANDARD

• Stainless steel Gable Cover

• Spring Wire Rack

OPTIONAL

- Universal Platform, Dedicated Platform
- Flask Clamps, etc.
- Test Tube Racks

For further information of optional accessories, Please visit *www.jeiotech.com*

Heating Bath Circulators

CW-05G/10G/20G/30G (Amb. +5 to 150℃)

Lab Companion

External and internal circulation with powerful pumping capability

CE Certification without CW-30G

Model		CW-05G	CW-10G	CW-20G	CW-30G
Bath Volume (L / cu ft)		5 / 0.2	10 / 0.4	20 / 0.7	30 / 1.1
Working Temperature Range[1] (℃ /°F)		Amb. +5 to 150 / Amb. +9 to 302			
Temperature Stability[2] (±℃ /°F)		0.05 / 0.09	0.05 / 0.09	0.1 / 0.18	0.1 / 0.18
Pump	Max. Pressure, Max. Flow Rate	5.9 PSI (406.8 millibar), 7.4 gallons / minute (28 liters / minute)			
	Max. Suction Flow Rate	2.6 gallons / minute (10 liters / minute)			
Dimension	Bath Opening / Depth (W×L, D) (mm / inch)	150×99, 160 / 5.9×3.9, 6.3	211×154, 180 / 8.3×6.1, 7.1	290×214, 200 / 11.4×8.4, 7.9	300×264, 230 / 11.8×10.4, 9
	Overall (W×L×H) (mm / inch)	220×395×424 / 8.7×15.6×16.7	281×450×444 / 11.1×17.7×17.5	360×510×464 / 14.2×20.1×18.3	370×560×494 / 14.6×22×19.4
	Net Weight (kg / lbs)	12.5 / 27.6	15 / 33	17.5 / 38.6	19.5 / 43
Electrical Requirements (230V, 50 / 60 Hz)		4.5A	6.7A	8.8A	8.8A
Cat. No.		AAH52305K	AAH52315K	AAH52325K	AAH52335K
Electrical Requirements (120V, 50 / 60 Hz)		8.6A	8.6A	8.6A	8.6A
Cat. No.		AAH52306U	AAH52316U	AAH52326U	AAH52336U

1) If you operate the unit in 1 to 3 steps of pump, the temperature range can be from Amb. +5℃ but in 4 and 5 steps, the range will be from Amb. +15℃.
2) Technical data according to DIN 12876.

+5°C above room temp. to 150°C

Microprocessor PID control/ Auto-tuning/ Calibration

Digital timer for delayed ON / OFF (from 1 min to 99 hr 59 min)

Protection against low fluid level and dry-running

Convenient memory function of up to three frequently used temperature settings

Digital LED display (0.1°C resolution)

Splash-proof keypad

RS-232 interface

Accurate, stable, and efficient temperature management by using a powerful variable-speed pump (1 to 3 steps of pump for internal circulation and 4 and 5 steps for external circulation)

Powerful pressure and suction pumps provide contrast pressure and flow rate throughout the whole temperature range

Isolated design of agitator, heater, and sensor by a baffle plate to minimize the turbulence in the bath fluid and also to protect users and samples against direct contact

Protection against low fluid level and dry running by automatic shut down of the heater together with audible and vis-ual alarms

Corrosion-resistant, seamless, leak-proof, round-cornered, and easy-to-clean stainless steel bath with a drain valve

Compact footprints ideal for cramped lab space

STANDARD

- Stainless Steel Flat Type Cover
- One 30cm (1 ft) Length and Ø12mm of Silicone Rubber Tubing

OPTIONAL

- Suction Function for Pump
- Test Tube Racks, Spring Wire Racks

For further information of optional accessories, please visit *www.jeiotech.com*

Refrigerated & Heating Bath Circulators

RW-0525G/1025G/2025G/3025G (Amb. -25 to 150℃)

Lab Companion

Rapid heating and cooling throughout the entire temp. range

CE Safety Green Computer Interface

Model		RW-0525G	RW-1025G	RW-2025G	RW-3025G
Bath Volume (L / cu ft)		5 / 0.2	10 / 0.4	20 / 0.7	30 / 1.1
Working Temperature Range[2] (℃ / °F)		-25 to 150 / -13 to 302			
Temperature Stability[1] (±℃ / °F)		0.05 / 0.09	0.05 / 0.09	0.05 / 0.09	0.08 / 0.14
Cooling Capacity	at -20℃ (-4°F) , W	30	50	260	390
	at 0℃ (+32°F), W	230	250	410	570
	at +20℃ (68°F), W	320	380	560	680
	Refrigerator	1 / 3 LBP, R-507	1 / 3 LBP, R-507	1 / 2 LBP, R-404A	3 / 4 LBP, R-404A
Pump	Max. Pressure, Max. Flow rate	5.9 PSI (406.8 millibar), 7.4 gallons / minute (28 liters / minute)			
	Max. Suction Flow Rate[3]	2.6 gallons / minute (10 liters / minute)			
Dimension	Bath Opening / Depth (W×L, D) (mm / inch)	150×99, 160 / 5.9×3.9, 6.3	211×154, 180 / 8.3×6.1, 7.1	290×214, 200 / 11.4×8.4, 7.9	300×264, 230 / 11.8×10.4, 9
	Overall (W×L×H) (mm / inch)	302×438×690 / 11.9×17.2×27.2	360×490×780 / 14.2×19.3×30.7	380×560×825 / 15×22×32.5	440×620×895 / 17.3×24.4×35.2
	Net Weight (kg / lbs)	37 / 81.6	44 / 97	60 / 132.2	70 / 147.7
Electrical Requirements (230V, 60Hz)		7A	9.2A	12.8A	13.8A
Cat. No.		AAH57001K	AAH57011K	AAH57021K	AAH57031K
Electrical Requirements (230V, 50Hz)		7A	9.2A	12.8A	13.8A
Cat. No.		AAH57002K	AAH57012K	AAH57022K	AAH57032K
Electrical Requirements (120V, 60Hz)		12.6A	12.6A	–	–
Cat. No.		AAH57003U	AAH57013U		

* RW-2025G and RW-3025G Models are available ONLY for 230V.
1) Technical data according to DIN 12876.
2) The cooling capacity is measured on a 230V / 60Hz electrical condition.
3) The additional suction function is optional.

Temp. range: from -25°C to 150°C

Microprocessor PID control/ Auto-tuning/ Calibration

Digital timer for delayed ON / OFF (from 1 min to 99 hr 59 min)

Protection against over-temperature and low fluid level

Convenient memory function of up to three frequently used temperature settings

Digital LED display (0.1℃ resolution)

Splash-proof keypad

RS-232 interface

Suitable for both internal and external bath environment due to reduced turbulence by using five-speed duplex pump and built-in cooling coil
(1 to 3 steps of the pump for internal circulation and 4 and 5 steps for external circulation)

Isolated design of agitator, heater, and sensor by a baffle plate to minimize the turbulence in the bath fluid and also to protect users and samples against direct contact

Protection against low fluid level and dry running by automatic shut down of the heater together with audible and visual alarms

Corrosion-resistant, seamless, leak-proof, round-cornered, and easy-to-clean stainless steel reservoir with a drain valve

Usage of CFC-free refrigerant (R-134A, R-404A) and a double service valve for leakage prevention

Quick-release front grille for easy cleaning of the condenser

Compact footprints ideal for cramped lab space

STANDARD

- Stainless Steel Flat Type Cover
- 30 cm (1 ft) long and Ø12 mm Silicone Rubber Tubing

OPTIONAL

- Additional Suction Pumps
- Test Tube Racks and Spring Wire Racks

For further information of optional accessories, please visit *www.jeiotech.com*

Refrigerated & Heating Bath Circulators

RW-0540G/1040G/2040G/3040G (Amb. -35 to 150℃)

Lab Companion

Stable temp. control capability at very low temp. by adopting a powerful pump for both external and interial circulation

Computer Interface

Model		RW-0540G	RW-1040G	RW-2040G	RW-3040G
Bath Volume (L / cu ft)		5 / 0.2	10 / 0.4	20 / 0.7	30 / 1.1
Working Temperature Range[2] (℃ /˚F)		-35 to 150 / -31 to 302			
Temperature Stability[1] (±℃ /˚F)		0.05 / 0.09	0.05 / 0.09	0.05 / 0.09	0.08 / 0.14
Cooling Capacity	at -20℃(-4˚F), W	80	150	400	440
	at 0℃ (+32˚F), W	150	330	660	700
	at +20℃ (68˚F), W	280	450	800	880
	Refrigerator	1 / 2 LBP, R-404A	1 / 2 LBP, R-404A	3 / 4 LBP, R-404A	1 LBP, R-404A
Pump	Max. Pressure, Max. Flow rate	5.9 PSI(406.8 millibar), 7.4 gallons / minute (28 liters / minute)			
	Max. Suction Flow Rate[3]	2.6 gallons / minute (10 liters / minute)			
Dimension	Bath Opening /Depth (W×L, D) (mm / inch)	150×99, 160 / 5.9×3.9, 6.3	211×154, 180 / 8.3×6.1, 7.1	290×214, 200 / 11.4×8.4, 7.9	300×264, 230 / 11.8×10.4, 9
	Overall (W×L×H) (mm / inch)	302×438×690 / 11.9×17.2×27.2	360×490×780 / 14.2×19.3×30.7	380×560×825 / 15×22×32.5	440×620×895 / 17.3×24.4×35.2
	Net Weight (kg / lbs)	38 / 83.8	44 / 97	60 / 132.2	67 / 147.7
Electrical Requirements (230V, 60Hz)		8.5A	10.7A	13.8A	14.8A
Cat. No.		AAH57101K	AAH57111K	AAH57121K	AAH57131K
Electrical Requirements (230V, 50Hz)		8.5A	10.7A	13.8A	14.8A
Cat. No.		AAH57102K	AAH57112K	AAH57122K	AAH57132K

* RW-40G Models are available ONLY for 230V.
1) Technical data according to DIN 12876.
2) The cooling capacity is measured on a 230V / 60Hz electrical condition.
3) The additional suction function is optional.

Temp. range: from -35℃ to 150℃

Microprocessor PID control/ Auto-tuning/ Calibration

Digital timer for delayed ON / OFF (from 1 min to 99 hr 59 min)

Protection against over-temperature and low fluid level

Convenient memory function of up to three frequently used temperature settings

Digital LED display (0.1℃ resolution)

Splash-proof keypad

RS-232 interface

Suitable for both internal and external bath environment due to reduced turbulence by using five-speed duplex pump and built-in cooling coil
(1 to 3 steps of the pump for internal circulation and 4 and 5 steps for external circulation)

Isolated design of agitator, heater, and sensor by a baffle plate to minimize the turbulence in the bath fluid and also to protect users and samples against direct contact

Protection against low fluid level and dry running by automatic shut down of the heater together with audible and visual alarms

Corrosion-resistant, seamless, leak-proof, round-cornered, and easy-to-clean stainless steel reservoir with a drain valve

Usage of CFC-free refrigerant (R-134A, R-404A) and a double service valve for leakage prevention

Quick-release front grille for easy cleaning of the condenser

Compact footprints ideal for cramped lab space

STANDARD

- Stainless Steel Flat Type Cover
- 30 cm (1 ft) long and Ø12 mm Silicone Rubber Tubing

OPTIONAL

- Additional Suction Pumps
- Test Tube Racks and Spring Wire Racks

For further information of optional accessories, please visit *www.jeiotech.com*

Viscometer Heating Baths

VB-25G/40G (Amb. +5 to 150℃)

Lab Companion

Ultra precise temperature control
with excellent visibility

Model		VB-25G		VB-40G	
Bath Volume (L / cu ft)		25 / 0.9		40 / 1.4	
Working Temperature Range [1] (℃ / °F)		Amb. +5 to 150 / Amb. +9 to 302			
Temperature Stability [2] (±℃ / °F)		0.05 / 0.09		0.1 / 0.18	
Dimension	Bath Opening / Depth (W×L, D) (mm/inch)	145×265, 368 / 5.7×10.4, 14.5		295×265, 368 / 11.6×10.4, 14.5	
	Cover Lids / Hole for Thermometer (mm)	5ea / Ø51, 1ea / Ø12.6		8ea / Ø51, 1ea / Ø12.6	
	Overall (W×L×H) (mm/inch)	492×374×547 / 19.4×14.7×21.5		642×374×547 / 25.3×14.7×21.5	
	Net Weight (kg / lbs)	28 / 61.7		37 / 81.6	
Electrical Requirements (230V)		60Hz, 13A	50Hz, 13A	60Hz, 13A	50Hz, 13A
Cat. No.		AAH43301K	AAH43302K	AAH43401K	AAH43402K

* VB-25G and VB-40G Models are available ONLY for 230V.

1) If you want to operate the unit below Amb. + 5℃ (Amb. + 9°F), an optional cooling circulator is required.
The lowest temperature when using an optional cooling circulator is +10℃ (+50°F).

2) Technical data according to DIN 12876.

+5℃ above room temp. to 150℃

Microprocessor PID control/
Auto-tuning/ Calibration

Digital timer for delayed
ON / OFF (from 1 min to 99 hr 59 min)

Protection against over-temp.
and low fluid level

Convenient memory function
of up to three frequently
used temperature settings

Digital LED display
(0.01℃ resolution at 0~99.9℃
and 0.1℃ resolution at 100~150℃)

Splash-proof keypad

Simple conversion between
Celsius and Fahrenheit

RS-232 interface

Crystal-clear visibility provided
by double tempered safety
glass windows in front and
rear sides

Isolated design of agitator,
heater, and sensor by a baffle
plate to minimize the turbulence
in the bath fluid and also to
protect users and samples
against direct contact

Optimal temperature equilibrium
achieved by a vane type stirrer
with strong circulation power

Operations at below or slightly
above ambient temperature
allowed by the included stainless
steel cooling coil
(for operations from 10℃/50°F,
use an optional cooling circulator)

12.6mm Ø hole (for a thermometer)
and 51mm Ø holes
(for glass capillary viscometer tubes)

STANDARD

- Stainless steel Covers for holes on the Top
- Cooling Coil

OPTIONAL

- Tube Holders for U-shaped Viscometer Glass Tubes
(Up to 5 holders for VB-25G and up to 8 holders for VB-40G)
- Cooling Circulators

For further information of optional accessories, please visit *www.jeiotech.com*

Cold Trap Bath

CTB-10 (Down to -40℃)

Lab Companion

Effective capture of moisture or condensate with digital temperature display

Model		CTB-10
Temperature Range (℃ / ℉)		Down to -40 / -40
Material	Bath External	Stainless steel, 1.2t, Double painted & baked
	Bath Up Desk	Stainless steel, 1.5t
	Insulation	Polyurethane foam (30mm)
	Refrigerator	1 / 2 HP, R-404A (LBP)
Dimension	Volume (L / cu ft)	4.8 / 0.17
	Bath (Ø×H, mm)	Dia, 210×204 / 8.3×8
	Overall (W×D×H) (mm / inch)	360×465×555 / 14.1×18.3×21.9
	Net Weight (kg / lbs)	46 / 101.4
Electrical Requirements		230V, 60Hz
Cat. No.		AAH62011K
Electrical Requirements		230V, 50Hz
Cat. No.		AAH62012K

LED temperature display

Protection against over-current

Easy installation and maintenance of glass traps (Two glass traps included)

Quick-release front grille for easy cleaning of the condenser

Compact size and little noise

Built-in dissolving system to easily remove ice or solid matter stuck on the bath

Durable stainless steel bath

Transparent acrylic lids on top of the glass trap to check condensate level in the trap

STANDARD

• Two U-type Glass Traps (FCA1110)

Lab Companion

Laboratory bath
Complete device mainly intended for temperature application to objects in laboratories, at least consisting of bath tank, a controller and a heat source or heat sink, but without circulating pump.

Laboratory circulator
Constant temperature circulator
A complete device mainly intended for temperature application to objects in laboratories at least consisting of a controller, a heat source or heat sink and a pump for circulating the heat transfer liquid of the laboratory circulator, and the controller maintains the heat transfer liquid at a selected temperature.

Heating circulator
Heated circulator
Laboratory circulator with a working temperature range mainly above the ambient temperature that essentially applies heat to the heat transfer liquid. (heat source)

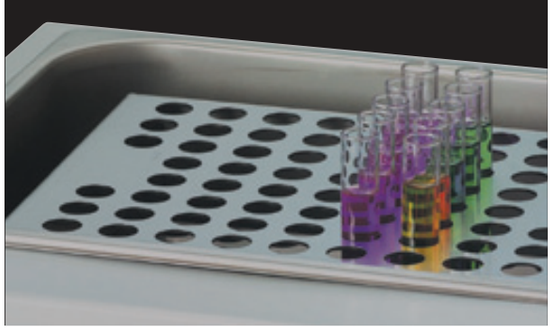
Bath circulator
Laboratory circulator mounted on a bath tank that also accepts the object requiring temperature application.

Circulator
Laboratory circulator that transports the heat transfer liquid through a closed or open external circuit. (loop)

Note The surface temperature of the heat transfer liquid used in a circulator may differ from the operating temperature.

Refrigerated and heating circulator
Laboratory circulator with a working temp. range below and above the ambient temperature that either withdraws heat from the heat transfer liquid (heat sink) or applies heat to the heat trans fer liquid. (heat source)

Refrigerated circulator
Laboratory circulator with a working temperature range mainly below the ambient temperature and that essentially withdraws heat from the heat transfer liquid. (heat sink)



Memo

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