

Bath Circulator



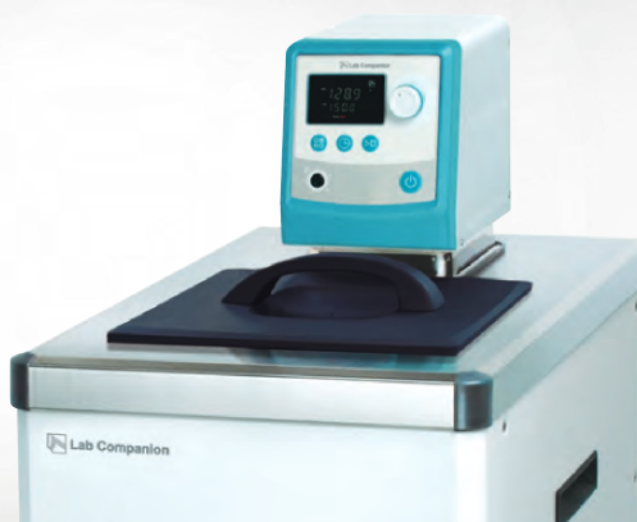
General Application

Internal/external temperature control: Spectrophotometer, refractometer, polarimeter, viscometer, fermenter, electrophoresis equipment, column chromatography, rotary evaporator etc.

	Description	Temp. Range (°C/°F)	Max. Temp. Stability (°C/°F)	Volume (L / cu ft)	Model	Page
Refrigerated & Heating	Program • 10 Programs & 10 Steps • Intuitive operation with color touch display	-25 to 150 /-13 to 302 (RW3-25P) -35 to 150 /-31 to 302 (RW3-35P)	±0.05 / 0.09 at -10 °C	5, 10, 20, 30 / 0.2, 0.4, 0.7, 1.1	RW3-P	28
	General • Clear VFD & simple operation • Applies smart refrigeration system	-25 to 150 /-13 to 302 (RW3-25) -35 to 150 /-31 to 302 (RW3-35)	±0.05 / 0.09 at -10°C	5, 10, 20, 30 / 0.2, 0.4, 0.7, 1.1	RW3	30
Heating	Program • 10 Programs & 10 Steps • Intuitive operation with color touch display	Amb. +10 to 150 / Amb. +18 to 302	±0.05 / 0.09 at 50°C	5, 10, 20, 30 / 0.2, 0.4, 0.7, 1.1	CW3-P	32
	General • Clear VFD & simple operation • Detection and notification of temperature deviation	Amb. +10 to 150 / Amb. +18 to 302	±0.05 / 0.09 at 50°C	5, 10, 20, 30 / 0.2, 0.4, 0.7, 1.1	CW3	32

※ The contents of the above and the contents of this catalog may differ depending on the specific model and conditions of use. For the information about the features and specifications that applying to each models, please check the information on the corresponding page of each models.

	Satisfaction with the requirements of European regulations and guidelines.		Real-time equipment monitoring and control system using mobile app.		Registered safety patent based on Jeio Tech's proprietary technology.
	Eco-friendly product that has passed environmental impact assessment tests.		Digital Input / Output for external device interlock control.		Intuitive operation with color touch display.
	Warning alarm in case of deviation of temperature control.		Possible to set end time or start time of device operation.		Control of temperature / humidity / rpm / time, etc. through dedicated program.
	PC communication via RS-232 / RS-485 / USB port.		More precise temperature control through 3-point temperature calibration.		Over temperature protection function.
	Alarm if the water is low level.		It memorizes the state of power failure and operates automatically when power is restored.		2 year warranty free A/S.



Innovative control system & design

Application of specialized exclusive control system

> Selection of 2 control systems

Program Controller Type

- Program operation controller, 10 programs. (10 steps maximum)
- Intuitive operation with color touch display.

General Controller Type

- Controller for constant temperature value control. and temperature deviation notification. (deviation limit/alarm delay setting)
- Precise and stable control of set temperature.

> Sharper screen display

Program type is applied to color touch display, general type is applied to clear VFD.

> Provision of remote equipment monitoring service (option)

Real-time monitoring of equipment operation status using smartphone. (when purchased LC GreenBox)

> More stable temperature control (RW3/CW3)

- Depending on the type of fluid used in the bath, three different auto-tuning values ($\Delta T1-3$) are saved.
- Auto-tuning is activated after 3 operating temperatures are inputted for each auto-tuning.

> Optimized temperature control

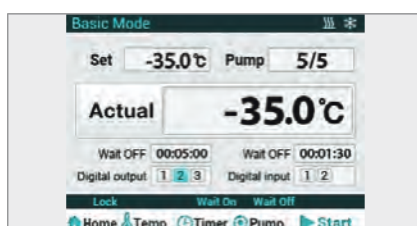
Auto-tuning function enables optimal control even when mainly used temperature or ambient conditions are frequently changed.

> 3-point temperature calibration function (RW3/CW3)

Temperature calibration of up to 3 points provides more reliable temperature control.

> Computer Interface (USB, RS-232)

Convenient remote control and data management on PC via built-in dedicated software.



Color touch display controller.



Clear VFD controller.



Provision of remote equipment monitoring service.



Provision of convenient and useful functions for actual use Applies Jeio Tech's patented safety system

- > **Convenient timer function provided**
Wait On/Wait Off is run after the set time elapses.
(Max. 999 hours and 59 minutes)
- > **Smart cooling control system**
According to the temperature, the flow of refrigerant is controlled.
The cooling speed from high temperature to room temperature is faster than previous product.
- > **Convenient solution discharge**
Drain valve is included as standard, making it both easy and convenient to discharge the solution in the bath.
- > **Stable performance of circulation pump**
Stable circulation pump with max. 0.4 bar pressure makes it easy to adjust pump speed in 5 steps.
- > **Top-grade protection system (Jeio Tech's patent)**
The safety device is configured to operate preferentially even if the malfunction is occurred in the device control unit.
- > **Shutdown function in case of over temperature**
Safe structure with shutdown function using over temperature limiter in case of overheating.
- > **Solution level detection**
Detects the level of solution in the bath and stops the device and notifying when the level is low.
- > **Prepared for unexpected power failure**
Auto-run function capable of selecting reoperation when power is restored after sudden power failure.

※ Some of the above contents are limited to specific models.



Sophisticated refrigerant volume control system.



Removable freezing condenser grill structure. (RW3)



Convenient solution discharge (CW3) with drain valve located on the front.

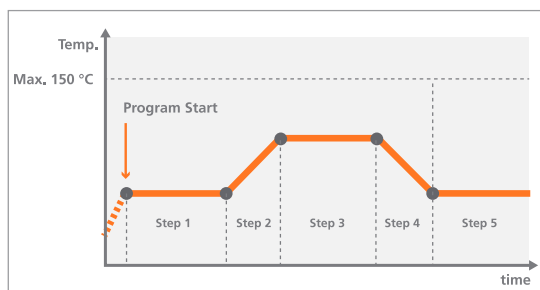
Refrigerated & Heating Bath Circulator

Program type

Convenient program control function

Program Type

- Possible to set and save 10 programs.
- Up to 10 steps can be set in the one program.
- Set time up to 99 hours and 59 minutes per step.
- Includes useful scheduler management functions such as program operation range and repeat interval setting.
- Program repetition possible up to 99 times.
- Provides temperature ramp control in program operation.
- Digital Input / Output function makes it easy to connect external equipment.
- Intuitive operation with color touch display.



Structural Functional Features

- Internal circulation and internal/external circulation of solution.
- Built-in bath cover with handle.
- Internal bath with seamless integral structure. (except RW3-3025P, 3035P models)
- Stainless steel material inside and at the top of the bath is excellent in terms of corrosion resistance and clean maintenance.
- Drain valve for easy draining of bath solution.
- Easy-to-clean refrigerator condenser filter.
- Equipped with easy-to-move/install caster.
- 8 models provided according to temperature range, capacity, etc.
- 5-steps pump speed adjustment with simple operation.
- Possible to check and control temperature of sample by connecting to device with an external sensor. (only available option when ordering)

Outstanding Safety

- Top-rated overheating protection system. (Registration KR 10-0397583)
- Over temperature limiting function. (Over Temperature Limiter)
- Prevention of mal-operation with controller lock function.
- Check and alert of temperature sensor abnormality.
- If an error occurs during operation, the details of the error are displayed on the screen and an alarm is sounded.
- Safe structure in which the heater, sensor, and pump inside the bath are separated by covering plates.



RW3-0525P

with PPS (poly phenylene sulfide)
Bath Cover (standard)

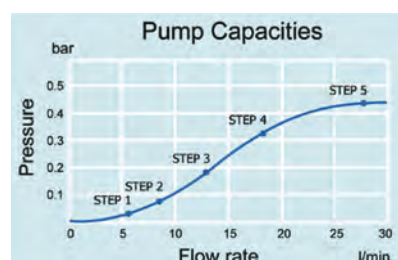
Use Convenience Features

- Temperature calibration of up to 3 points provides more reliable temperature control.
- Optimized control with auto-tuning.
- Wait On/Off timer. (up to 99 hours 59 minutes)
- Microprocessor PID method for precise temperature control.
- USB/RS-232 connection and software provide convenient computer operation and data management.
- Notification of low solution. (low level limiter)
- Automatic restart of operation when power is restored after power failure.
- Monitor via mobile app anytime, anywhere with LC Connected. (Requires LC GreenBox, option)

Pump Capacity

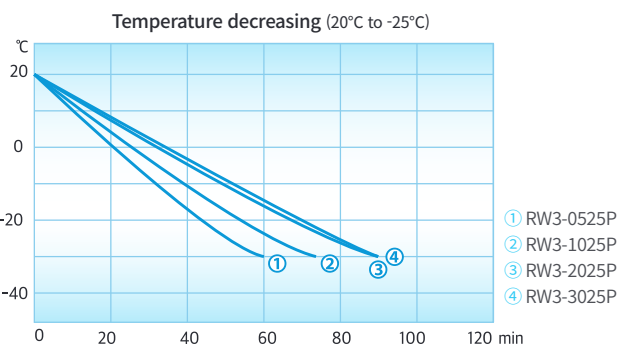
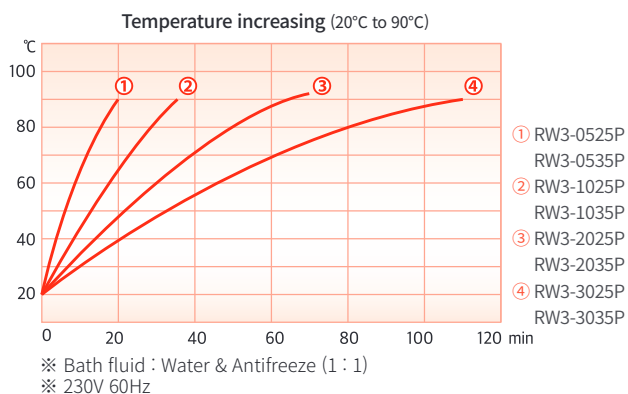
Pump Step	1	2	3	4	5
Max. pressure (psi)	0.5	1.1	2.4	4.9	5.9
Max. flow rate (L/min)	5.6	8.0	12.8	18.8	28.0

※ Bath fluid : Water





Heat-up Time, Cool-down Time



Specification

Model		RW3-0525P	RW3-1025P	RW3-2025P	RW3-3025P	
Bath volume (L / cu ft)		5 / 0.2	10 / 0.4	20 / 0.7	30 / 1.1	
Temperature	Working temp. range (°C / °F)	-25 to 150 / -13 to 302	-25 to 150 / -13 to 302	-25 to 150 / -13 to 302	-25 to 150 / -13 to 302	
	Temp. stability ¹⁾ (±°C / °F)	0.05 / 0.09	0.05 / 0.09	0.05 / 0.09	0.05 / 0.09	
Cooling capacity	at +20°C (+68°F), W	320	380	550	740	
	at 0°C (+32°F), W	230	270	420	630	
	at -20°C (-4°F), W	80	150	300	470	
Dimension	Bath opening / depth (W x D x H, mm / inch)	150 x 99 x 160 / 5.9 x 3.9 x 6.3	211 x 154 x 180 / 8.3 x 6.1 x 7.1	290 x 214 x 200 / 11.4 x 8.4 x 7.9	300 x 264 x 230 / 11.8 x 10.4 x 9.1	
	Exterior (W x D x H, mm / inch)	308 x 480 x 733 / 12.1 x 18.9 x 28.9	366 x 532 x 780 / 14.4 x 20.9 x 30.7	386 x 602 x 825 / 15.2 x 23.7 x 32.5	446 x 662 x 895 / 17.6 x 26.1 x 35.2	
	Net weight (kg / lbs)	37 / 81.6	44 / 97	60 / 132.2	67 / 147.7	
Electrical requirements (230V, A)		50/60Hz, 11	50/60Hz, 11	50/60Hz, 12.5	50Hz, 13.5	60Hz, 13.5
Cat. No.		AAH57642K	AAH57652K	AAH57662K	AAH57672K	AAH57671K
Cat. No. (EU only)		AAH57645K	AAH57655K	AAH57665K	AAH57675K	AAH57671K
Electrical requirements (120V, A)		60Hz, 12.6	60Hz, 12.6			
Cat. No.		AAH57643U	AAH57653U	-	-	

Model		RW3-0535P	RW3-1035P	RW3-2035P	RW3-3035P	
Bath volume (L / cu ft)		5 / 0.2	10 / 0.4	20 / 0.7	30 / 1.1	
Temperature	Working temp. range (°C / °F)	-35 to 150 / -31 to 302	-35 to 150 / -31 to 302	-35 to 150 / -31 to 302	-35 to 150 / -31 to 302	
	Temp. stability ¹⁾ (±°C / °F)	0.05 / 0.09	0.05 / 0.09	0.05 / 0.09	0.05 / 0.09	
Cooling capacity	at +20°C (+68°F), W	280	450	800	880	
	at 0°C (+32°F), W	150	330	660	700	
	at -20°C (-4°F), W	80	150	400	440	
Dimension	Bath opening / depth (W x D x H, mm / inch)	150 x 99 x 160 / 5.9 x 3.9 x 6.3	211 x 154 x 180 / 8.3 x 6.1 x 7.1	290 x 214 x 200 / 11.4 x 8.4 x 7.9	300 x 264 x 230 / 11.8 x 10.4 x 9.1	
	Exterior (W x D x H, mm / inch)	308 x 480 x 733 / 12.1 x 18.9 x 28.9	366 x 532 x 780 / 14.4 x 20.9 x 30.7	386 x 602 x 825 / 15.2 x 23.7 x 32.5	446 x 662 x 895 / 17.6 x 26.1 x 35.2	
	Net weight (kg / lbs)	38 / 83.8	44 / 97	60 / 132.2	67 / 147.7	
Electrical requirements (230V, A)		50/60Hz, 12.5	50/60Hz, 12.5	50Hz, 13.5 60Hz, 13.5	50Hz, 14.5	60Hz, 14.5
Cat. No.		AAH57742K	AAH57752K	AAH57762K AAH57761K	AAH57772K	AAH57771K
Cat. No. (EU only)		AAH57745K	AAH57755K	AAH57765K AAH57761K	AAH57775K	AAH57771K

※ Technical data (according to DIN 12876)

※ In case using silicon oil, you need to exchange other material tube (inlet and out late part), such as copper tube, a teflon tube instead of a silicon tube in fitting.

1) Bath fluid : Ethanol at -10°C / 14°F

Refrigerated & Heating Bath Circulator

General type

Stable internal/external temperature control

General Type

- Alert function when deviation from control temperature upper limit and lower limit occurs.
- Easy and convenient to use with simple operation.
- Clear VFD panel for clear information display.
- Applies smart refrigeration system using Jeio Tech's technology.
- Optimized control reduces overall power consumption.
- Easily removable condenser grill structure.
- Equipped with advanced filter with flat plate structure in refrigeration condenser.
- Compact structure design.

RW3-2025

with PPS (poly phenylene sulfide)
Bath Cover (standard)



Structural Functional Features

- Internal circulation and internal/external circulation of solution.
- Refrigerator stopped automatically when it rises too high of temperature, saving power, extending freezer life, and reducing noise generation.
- High-efficiency refrigeration through application of electronic expansion valve.
- Built-in bath cover with handle.
- Internal bath with seamless integral structure. (except RW3-3025, 3035 models)
- Stainless steel material inside and at the top of the bath is excellent in terms of corrosion resistance and clean maintenance.
- Left and right handles for convenient handling.
- Drain valve for easy draining of bath solution.
- Easy-to-clean refrigerator condenser filter.
- Equipped with easy-to-move/install caster.
- 8 models provided according to temperature range, capacity, etc.
- 5-steps pump speed adjustment with simple operation.
- Possible to check and control temperature of sample by connecting to device with an external sensor. (only available option when ordering)

Use Convenience Features

- Temperature calibration of up to 3 points provides more reliable temperature control.
- Optimized control with auto-tuning.
- Save and use 3 frequently used temperatures.
- Wait On/Off timer. (up to 999 hours 59 minutes)
- Microprocessor PID method for precise temperature control.
- USB/RS-232 connection and software provide convenient computer operation and data management.
- Notification of low solution. (low level limiter)
- Automatic restart of operation when power is restored after power failure.
- Monitor via mobile app anytime, anywhere with LC Connected. (Requires LC GreenBox, option)

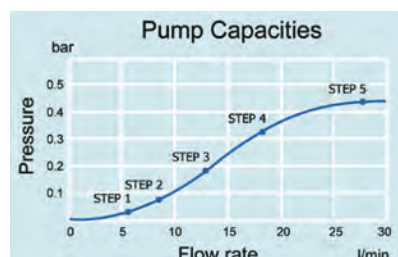
Outstanding Safety

- Top-rated overheating protection system. (Registration KR 10-0397583)
- Over temperature limiting function.
- Prevention of mal-operation with controller lock function.
- Check and alert of temperature sensor abnormality.
- If an error occurs during operation, the details of the error are displayed on the screen and an alarm is sounded.
- Safe structure in which the heater, sensor, and pump inside the bath are separated by covering plates.

Pump Capacity

Pump Step	1	2	3	4	5
Max. pressure (psi)	0.5	1.1	2.4	4.9	5.9
Max. flow rate (L/min)	5.6	8.0	12.8	18.8	28.0

※ Bath fluid : Water





Single-Action refrigeration condenser grill structure allows for detaching and attaching without additional tools.



The drain valve located on the side is simple and convenient to use as it is ball valve type.

Specification

Model		RW3-0525		RW3-1025		RW3-2025		RW3-3025	
Bath volume (L / cu ft)		5 / 0.2		10 / 0.4		20 / 0.7		30 / 1.1	
Temperature	Working temp. range (°C / °F)	-25 to 150 / -13 to 302		-25 to 150 / -13 to 302		-25 to 150 / -13 to 302		-25 to 150 / -13 to 302	
	Temp. stability ¹⁾ (±°C / °F)	0.05 / 0.09		0.05 / 0.09		0.05 / 0.09		0.05 / 0.09	
Cooling capacity	at 20°C (+68°F), W	400		560		850		980	
	at 0°C (+32°F), W	270		360		610		700	
	at -20°C (-4°F), W	140		180		310		465	
Dimension	Bath opening / depth (W x D x H, mm / inch)	150 x 99 x 160 / 5.9 x 3.9 x 6.3		211 x 154 x 180 / 8.3 x 6.1 x 7.1		290 x 214 x 200 / 11.4 x 8.4 x 7.9		300 x 264 x 230 / 11.8 x 10.4 x 9.1	
	Exterior (W x D x H, mm / inch)	308 x 480 x 733 / 12.1 x 18.9 x 28.9		366 x 532 x 780 / 14.4 x 20.9 x 30.7		386 x 602 x 825 / 15.2 x 23.7 x 32.5		446 x 662 x 895 / 17.6 x 26.1 x 35.2	
	Net weight (kg / lbs)	37 / 81.6		44 / 97		60 / 132.3		67 / 147.7	
Electrical requirements (230V, A)		50Hz, 11	60Hz, 11	50Hz, 11	60Hz, 11	50/60Hz, 12.5		50Hz, 13.5	60Hz, 13.5
Cat. No.		AAH57042K	AAH57041K	AAH57052K	AAH57051K	AAH57062K		AAH57072K	AAH57071K
Cat. No. (EU only)		AAH57045K	AAH57041K	AAH57055K	AAH57051K	AAH57065K		AAH57075K	AAH57071K
Electrical requirements (120V, A)		60Hz, 12.6		60Hz, 12.6					
Cat. No.		AAH57043U		AAH57053U		-		-	

Model		RW3-0535	RW3-1035		RW3-2035	RW3-3035	
Bath volume (L / cu ft)		5 / 0.2	10 / 0.4		20 / 0.7	30 / 1.1	
Temperature	Working temp. range (°C / °F)	-35 to 150 / -31 to 302	-35 to 150 / -31 to 302		-35 to 150 / -31 to 302	-35 to 150 / -31 to 302	
	Temp. stability ¹⁾ (±°C / °F)	0.05 / 0.09	0.05 / 0.09		0.05 / 0.09	0.05 / 0.09	
Cooling capacity	at 20°C (+68°F), W	400	560		850	980	
	at 0°C (+32°F), W	270	360		610	700	
	at -20°C (-4°F), W	140	180		310	465	
Dimension	Bath opening / depth (W x D x H, mm / inch)	150 x 99 x 160 / 5.9 x 3.9 x 6.3	211 x 154 x 180 / 8.3 x 6.1 x 7.1		290 x 214 x 200 / 11.4 x 8.4 x 7.9	300 x 264 x 230 / 11.8 x 10.4 x 9.1	
	Exterior (W x D x H, mm / inch)	308 x 480 x 733 / 12.1 x 18.9 x 28.9	366 x 532 x 780 / 14.4 x 20.9 x 30.7		386 x 602 x 825 / 15.2 x 23.7 x 32.5	446 x 662 x 895 / 17.6 x 26.1 x 35.2	
	Net weight (kg / lbs)	38 / 83.8	45 / 99.2		60 / 132.3	68 / 149.9	
Electrical requirements (230V, 50Hz, A)		12.5	12.5		13.5	13.5	
Cat. No.		AAH57142K	AAH57152K		AAH57162K	AAH57172K	
Cat. No. (EU only)		AAH57145K	AAH57155K		AAH57165K	AAH57175K	
Electrical requirements (230V, 60Hz, A)		12.5	12.5		13.5	13.5	
Cat. No.		AAH57141K	AAH57151K		AAH57161K	AAH57171K	

※ Technical data (according to DIN 12876)

※ In case using silicon oil, you need to exchange other material tube (inlet and out late part), such as copper tube, a teflon tube instead of a silicon tube in fitting.

1) Bath fluid : Ethanol at -10°C / 14°F

Heating Bath Circulator

Suitable for precise temperature testing above ambient temperature

CW3-05P

with PPS (poly phenylene sulfide)
Bath Cover (standard)



CW3-05

with PPS (poly phenylene sulfide)
Bath Cover (standard)



Program Type Features

- 10 Programs & 10 steps program control
- Set time up to 99 hours and 59 minutes per step.
- Intuitive operation with color touch display.
- Digital Input / Output function makes it easy to connect external equipment.

Structural Functional Features

- Minimizes evaporation of internal solution at high temperatures and low-heat conductivity bath cover is provided as standard.
- Minimized usage space with compact design.
- Excellent durability even at high temperatures and repeated use.
- Internal circulation and internal/external circulation of solution.
- Easy to move and manage with the body handle.
- Stainless steel material inside and at the top of the bath is excellent in terms of corrosion resistance and clean maintenance.
- Drain valve for easy draining of bath solution.
- Includes rubber feet for stable product operation.
- 5-steps pump speed adjustment with simple operation.

Outstanding Safety

- Top-rated overheating protection system. (Registration KR 10-0397583)
- Over temperature limiting function.
- Prevention of mal-operation with controller lock function.
- Check and alert of temperature sensor abnormality.
- If an error occurs during operation, the details of the error are displayed on the screen and an alarm is sounded.
- Safe structure in which the heater, sensor, and pump inside the bath are separated by covering plates.

General Type Features

- Alert function when deviation from control temperature upper limit and lower limit occurs.
- Easy and convenient to use with simple operation.
- Clear VFD panel for clear information display.
- Convenient drain valve structure on the front panel.
- Built-in USB connection and dedicated software.

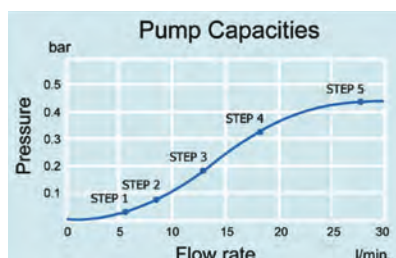
Use Convenience Features

- Temperature calibration of up to 3 points provides more reliable temperature control.
- Optimized control with auto-tuning.
- Save and use 3 frequently used temperatures.
- Wait On/Off timer. (up to 999 hours 59 minutes)
- Microprocessor PID method for precise temperature control.
- Convenient remote control and data management through built-in dedicated software.
- Notification of low solution. (low level limiter)
- Automatic restart of operation when power is restored after power failure.
- Monitor via mobile app anytime, anywhere with LC Connected. (Requires LC GreenBox, option)

Pump Capacity

Pump Step	1	2	3	4	5
Max. pressure (psi)	0.5	1.1	2.4	4.9	5.9
Max. flow rate (L/min)	5.6	8.0	12.8	18.8	28.0

※ Bath fluid : Water





CW3-30

CW3-20

CW3-10

CW3-05

Specification

Model		CW3-05P	CW3-10P	CW3-20P	CW3-30P
Bath volume (L / cu ft)		5 / 0.2	10 / 0.4	20 / 0.7	30 / 1.1
Temperature	Working temp. range (°C / °F)	Amb. +10 to 150 / Amb. +18 to 302	Amb. +10 to 150 / Amb. +18 to 302	Amb. +10 to 150 / Amb. +18 to 302	Amb. +10 to 150 / Amb. +18 to 302
	Temp. stability ¹⁾ (±°C / °F)	0.05 / 0.09	0.05 / 0.09	0.05 / 0.09	0.08 / 0.162
	Heat up time to 70°C / 158 °F (min)	24	31	43	55
Dimension	Bath opening / depth (W x D x H, mm / inch)	150 x 99 x 160 / 5.9 x 3.9 x 6.3	211 x 154 x 180 / 8.3 x 6.1 x 7.1	290 x 214 x 200 / 11.4 x 8.4 x 7.9	300 x 264 x 230 / 11.8 x 10.4 x 9.1
	Exterior (W x D x H, mm / inch)	228 x 395 x 424 / 9.0 x 15.6 x 16.7	289 x 450 x 444 / 11.4 x 17.7 x 17.5	368 x 510 x 464 / 14.5 x 20.1 x 18.3	378 x 560 x 494 / 14.9 x 22 x 19.4
	Net weight (kg / lbs)	12.5 / 27.6	15.0 / 33.1	17.5 / 38.6	19.5 / 43
Electrical requirements (230V, 50/60Hz, A)		8.5	8.5	8.5	8.5
Cat. No.		AAH52741K	AAH52751K	AAH52761K	AAH52771K
Electrical requirements (120V, 60Hz, A)		8.6	8.6	8.6	8.6
Cat. No.		AAH52742U	AAH52752U	AAH52762U	AAH52772U

Model		CW3-05	CW3-10	CW3-20	CW3-30
Bath volume (L / cu ft)		5 / 0.2	10 / 0.4	20 / 0.7	30 / 1.1
Temperature	Working temp. range (°C / °F)	Amb. +10 to 150 / Amb. +18 to 302	Amb. +10 to 150 / Amb. +18 to 302	Amb. +10 to 150 / Amb. +18 to 302	Amb. +10 to 150 / Amb. +18 to 302
	Temp. stability ¹⁾ (±°C / °F)	0.05 / 0.09	0.05 / 0.09	0.05 / 0.09	0.08 / 0.162
	Heat up time to 70°C / 158 °F (min)	15	23	43	55
Dimension	Bath opening / depth (W x D x H, mm / inch)	150 x 99 x 160 / 5.9 x 3.9 x 6.3	211 x 154 x 180 / 8.3 x 6.1 x 7.1	290 x 214 x 200 / 11.4 x 8.4 x 7.9	300 x 264 x 230 / 11.8 x 10.4 x 9.1
	Exterior (W x D x H, mm / inch)	228 x 395 x 424 / 9.0 x 15.6 x 16.7	289 x 450 x 444 / 11.4 x 17.7 x 17.5	368 x 510 x 464 / 14.5 x 20.1 x 18.3	378 x 560 x 494 / 14.9 x 22 x 19.4
	Net weight (kg / lbs)	12.5 / 27.6	15.0 / 33.1	17.5 / 38.6	19.5 / 43
Electrical requirements (230V, 50/60Hz, A)		8.5	8.5	8.5	8.5
Cat. No.		AAH52341K	AAH52351K	AAH52361K	AAH52371K
Electrical requirements (120V, 60Hz, A)		8.6	8.6	8.6	8.6
Cat. No.		AAH52342U	AAH52352U	AAH52362U	AAH52372U

※ The lowest temperature that can be controlled depends on changes in ambient temperature and sample temperature. Therefore, please contact the distributor of our products before purchasing for technical consultation.

※ Technical data (according to DIN 12876)

※ In case using silicon oil, you need to exchange other material tube (inlet and out late part), such as copper tube, a teflon tube instead of a silicon tube in fitting.

1) Bath fluid : Water at 50°C / 122°F

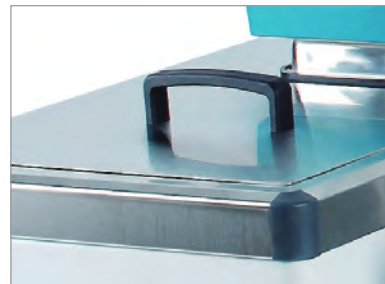
Accessories Page 34 Spring Wire Rack, Test Tube Rack, Silicone Tube, Tubing Insulation, Clamp, Cover, LC GreenBox

Accessories

Stainless Steel Cover

Sturdy, corrosion-resistant, stainless steel material.

Cat. No.	Model
AAA51531	RW3-0525(P), RW3-0535(P), CW3-05(P)
AAA51532	RW3-1025(P), RW3-1035(P), CW3-10(P)
AAA51533	RW3-2025(P), RW3-2035(P), CW3-20(P)
AAA51534	RW3-3025(P), RW3-3035(P), CW3-30(P)



Spring Wire Rack

It has a lattice-shaped double spring structure, which makes it easy to fix various kinds of experiment containers and the height can also be easily adjusted.

Cat. No.	Model
AAA51522	RW3-2025(P), 2035(P)
AAA51523	RW3-3025(P), 3035(P)
AAA51522	CW3-20(P)
AAA51523	CW3-30(P)



Test Tube Rack

Test tubes can be easily fixed in the bath and various models are available according to test tube size. Structure allows for easy adjustment of the degree of tilt and lock.

Cat. No.	Description (mm / inch)	Max. Quantity of Racks
AAA44581	ø8 / 0.3 x 86 tubes	CW3-20(P): 2ea CW3-30(P): 2ea RW3-2025(P): 2ea RW3-2035(P): 2ea RW3-3025(P): 2ea RW3-3035(P): 2ea
AAA44582	ø10 / 0.4 x 86 tubes	
AAA44583	ø12 / 0.5 x 58 tubes	
AAA44585	ø16 / 0.6 x 32 tubes	
AAA44586	ø25 / 1.0 x 19 tubes	
AAA41531	ø8 / 0.3 x 50 tubes	CW3-10(P): 1ea RW3-1025(P): 1ea RW3-1035(P): 1ea
AAA41532	ø10 / 0.4 x 50 tubes	
AAA41533	ø12 / 0.5 x 33 tubes	
AAA41535	ø16 / 0.6 x 16 tubes	
AAA41539	ø25 / 1.0 x 10 tubes	



External Sensor (for RW3)

Possible to check and control temperature of sample by connecting to device with an external sensor. (only available option when ordering)



How to Control Temperature using External Sensor

Cat. No.	Description
AAA51571	External sensor board + External Sensor (3 m)
AAA51572	External sensor board + External Sensor (5 m)

※ If you purchased the RW3 initially without an external sensor, it cannot be added to the product later.



LC GreenBox

Real-time monitoring and control of device operation via mobile app, LC Connected. Up to 4 devices can be connected at once.

Cat. No.	Dimension (W x D x H, mm / inch)
AAHQ1011K	156 x 94 x 34 / 6.1 x 3.7 x 1.3



Silicone Tube

The operating temperature range is -50 to 250°C / -58 to 482°F.
Inner diameter of 10 mm,
Outside diameter of 16 mm.

Cat. No.	Length (m / inch)
00FAA0001110	10 / 393.7



Tubing Insulation

EPDM material insulation prevents heat loss when using external circulation.

Cat. No.	Description
00FEA0001453	I.D. 25 mm (13T)



Tube Clamp

Attachment that stably holds the tube connection.

Cat. No.	Description
00HXE0001099	3/4"
00HXE0001100	5/8"



Bath Circulator

vs.

Chiller



	Bath Circulator (ex. RW3-3035)	Chiller (Recirculating Cooler) (ex. HX-25H)
Application	Preserves precise temperature of external devices where heat removal capacity is not required largely.	Maintains temperature by stably removing large heat generated from external devices.
Cooling Capacity	Heat removal capacity is small. 880W at 20°C / 68°F.	Heat removal capacity is large. 2,800W at 20°C / 68°F.
Temperature Range	Temperature range is wide. -35 to 150°C / -31 to 302°F.	Temperature range is narrow. 3 to 40°C / 37 to 104°F.
Pump Pressure	Circulation pressure is weak. Max. 0.4 bar.	Circulation pressure is strong. Max. 6 bar.

Jeio Tech's Chiller Information [Page 36](#)

Chiller for Rotary Evaporator

- Chiller optimized for rotary evaporator.
- Easy to install and use with compact design.
- Pump In/Out port is located at the upper part, so it is convenient to connect with evaporator.
- Convenient bath fluid injection on the top.
- LCD screen for easy checking of operation status.
- Includes low-level solution alert notification.

Model	RC-05
Temp. Range (°C / °F)	-10 to 30 / 14 to 86
Temp. Stability (±°C / °F)	1.0 / 1.8 at 15°C
Cooling Capacity	580W at 20°C / 68°F
230V, 50/60Hz, A	4
Cat. No.	ACH651012K
Cat. No. (EU only)	ACH651015K



Chiller [Page 44](#)