

Refrigerated & Heating Bath Circulator

General type

Stable internal/external temperature control

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- 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 Lab Companion'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.

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. (mobile monitoring system) (when purchased LC GreenBox)

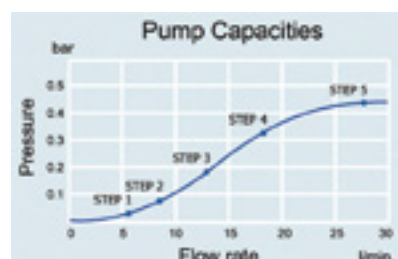
Outstanding Safety

- 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, 60Hz, A)		11	11	12.5	13.5
Cat. No.		AAH57041K	AAH57051K	AAH57061K	AAH57071K
Electrical requirements (230V, 50Hz, A)		11	11	12.5	13.5
Cat. No.		AAH57042K	AAH57052K	AAH57062K	AAH57072K
Electrical requirements (120V, 60Hz, A)		12.6	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
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	Net weight (kg / lbs)	38 / 83.8	45 / 99.2	60 / 132.3	68 / 149.9
Electrical requirements (230V, 60Hz, A)		12.5	12.5	13.5	14.5
Cat. No.		AAH57141K	AAH57151K	AAH57161K	AAH57171K
Electrical requirements (230V, 50Hz, A)		12.5	12.5	13.5	14.5
Cat. No.		AAH57142K	AAH57152K	AAH57162K	AAH57172K

※ 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