

Heating Bath Circulator

Suitable for precise temperature testing above ambient temperature

CW3-05P

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



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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.

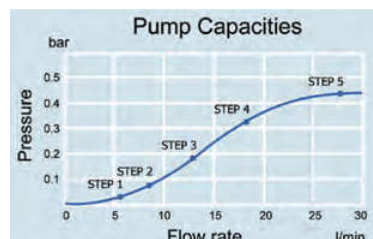
Use Convenience Features

- Temperature calibration of up to 3 points provides more reliable temperature control.
- Optimized control with auto-tuning.
- Save and use 3 frequently used temperatures. (CW3)
- 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. (mobile monitoring system) (when purchased LC GreenBox)

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	0.05 / 0.09
	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

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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 28 Spring Wire Rack, Test Tube Rack, Silicone Tube, Tubing Insulation, Clamp, Cover, LC GreenBox