

Baths & Circulators

Heating Bath Circulators

External and internal circulation with powerful pumping capability

CW-G Models are specially designed for precise temperature control of external instruments or for immersion purposes using a powerful pump with five adjustable pressure steps.

Operating Features

- +5°C above room temperature to 150°C.
- Microprocessor PID control / Automatic 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.

Constructional Features

- 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 visual 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.



CW-05G with the included SUS Covers

Included Accessories

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

Optional Accessories

• see page 20-21

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

Specifications & Ordering Information



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 ²⁾ (°C / °F)		Amb. +5 to 150 / Amb. +9 to 302			
Temperature Stability ¹⁾ (±°C / °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 (WxL, 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 (WxLxH) (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) Technical data according to DIN 12876.

2) If you operate the unit in 1 to 3 steps of pump, the temperature range can be from Amb. +5°C but in 4 and 5 steps, the range will be from Amb. +15°C.