



## External and internal circulating with powerful pumping capacity

CW-G series is designed for controlling temperature in external instrumentation, or for immersion application. Pump pressure is adjustable in five stages.

### Operating features

- 5°C above room temperature to 150°C
- Uniformity  $\pm 0.1^\circ\text{C}$  at 50°C (based on various conditions)
- Microprocess PID control/ Auto-tuning/ Calibration
- Digital timer: 1 min ~ 99 hr 59 min, delayed ON/ OFF
- Over-temperature limiter/ Low fluid level protection
- 3 different temperature values memorable
- Digital LED display (0.1°C resolution) using splash-proof keypads
- RS-232 interface available

### Constructional features

- Exclusive variable-speed pump for accurate, stable, and efficient temperature management  
(1 to 3 steps of pump for internal circulation/ 4 and 5 steps for external circulation)
- Powerful pressure and suction pumps provide contrast pressure and flow rate over the full temperature range
- Baffle plate screens circulating pump, heating element and sensor to minimize fluctuating bath fluids and protect sample and operators from direct contact
- Dry-running protection; automated heating element cut-off and audible and visual warning
- Seamless stainless steel tank with a reservoir drain that resists corrosion and make cleaning easy
- Space saving design uses minimal bench space



CW-05G included SUS covers

#### Included Accessories

- Stainless steel flat type cover
- One 30cm (1 ft) length and  $\varnothing 12\text{mm}$  (0.4") of silicone rubber tubing

#### Optional Accessories

- Suction function for pump
- Test tube racks, Spring wire racks

see page 12-13

## Specifications & Ordering Informations



Model		CW-05G	CW-10G	CW-20G	CW-30G
Bath volume		5,0L (0.18cu ft)	10,0L (0.35cu ft)	20,0L (0.7cu ft)	30,0L (1.05cu ft)
Temperature	Range <sup>1)</sup>	Amb. +5°C to 150°C (Amb. +9°C to 302°F)			
	Accuracy	$\pm 0.05^\circ\text{C}$ at 50°C ( $\pm 0.09^\circ\text{C}$ at 122°F)			
	Uniformity	$\pm 0.1^\circ\text{C}$ at 50°C ( $\pm 0.18^\circ\text{C}$ at 122°F)			
	Heat up time <sup>2)</sup>	50°C(122°F) within 30 min			
Pump	Max. pressure, max. flow rate	406,8 millibar (5,9 PSI), 28,0 liters/minute (7,4 gallons/minute)			
	Max. suction flow rate <sup>3)</sup>	10,0 liters/minute (2,6 gallons/minute)			
	In/ out let size	$\varnothing 12,7\text{mm}$ (0.5")			
Dimensions	Bath opening/ depth (W×L×D)	150×99/ 160mm (5.9×3.9/ 6.3")	211×154/ 180mm (8.3×6.1/ 7.1")	290×214/ 200mm (11.4×8.4/ 7.9")	300×264/ 230mm (11.8×10.4/ 9.0")
	Overall (W×L×H)	220×395×424mm (8.7×15.6×16.7")	281×450×444mm (11.1×17.7×17.5")	360×510×464mm (14.2×20.1×18.3")	370×560×494mm (14.6×22.0×19.4")
	Net weight	12,5kg (27,6lb)	15,0kg (33,0lb)	17,5kg (38,6lb)	19,5kg (43,0lb)
Electrical Requirements (230V)		50/60Hz, 4,5A	50/60Hz, 6,7A	50/60Hz, 8,8A	50/60Hz, 8,8A
Cat. No.		AAH52305K	AAH52315K	AAH52325K	AAH52335K
Electrical Requirements (120V)		50/60Hz, 8,6A	50/60Hz, 8,6A	50/60Hz, 8,6A	50/60Hz, 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°C but in 4 and 5 steps, the range will be from Amb. +15°C.

2) The heat-up time is measured on a 230V electrical condition with 1000W heater power.

3) The additional suction function is optional.

※ Permissible Environmental Condition: Temperature 5~40°C(41~104°F), Maximum relative humidity 80%