



Performance

- Wide temperature control range from amb. -20 to 95°C with rapid cool down and heat-up times.
- Precision accuracy of $\pm 0.1^\circ\text{C}$ is ensured by PID controller.
- Temperature calibration.
- Memory function of programs allowing relevant parameters of each program step to be stored.
 - Up to 10 programs allowed for memory storage.
 - Up to 10 steps allowed for each program.
- Optimal heat transfer is achieved by the tight coupling design of the main body and the corrosion-resistant anodized aluminum blocks.
- Cooling is controlled by peltier elements for an energy efficient compact design.

Convenience

- Bright VFD display with responsive touch buttons.
- Advanced dual wait on/off timer modes.
 - User can set timer to starts immediately after the timer setting or only after reaching the set temperature.
- Transparent lid allows easy sample monitoring and even temperature distribution.
- Blocks can be easily interchanged by the included block lifter.

Safety

- Self-diagnostic function identifying errors.
- Over-temperature and over-current protection.
- Its polypropylene main body is highly chemical-resistant and easy-to-clean.

Outstanding temp. compensation function for precise temperature control.

Rapid cooling and heating in centrifuge tubes, sample vials, micro tubes within the broad temperature range.



CCB-350

with optional block

Standard accessories • Block lifters (2ea)

Optional accessories • Tube blocks
see page 157

Model		CCB-350
Control system		Feedback control PID
Display		VFD (0.1°C resolution)
Temperature	Range (°C / °F)	Amb. -20 to 95 / Amb. -36 to 203
	Fluctuation at 37°C (\pm °C / °F)	0.55 / 0.99
	Variation at 37°C (\pm °C / °F)	0.10 / 0.18
Safety	Over temp.	Heating plate PCB
	Over current	Current limit protection
Dimension (WxDxH)	Interior (mm / inch)	99 x 77.5 x 36 / 3.9 x 3.1 x 1.4
	Exterior (mm / inch)	249x330x168 / 9.8x13x6.6
	Net weight (kg / lbs)	5.0 / 11.0
Electrical requirements (230V, 50 / 60Hz)		2 A
Cat. No.		AAHJ5015K
Electrical requirements (120V, 60Hz)		4 A
Cat. No.		AAHJ5013U

* FDA establishment registered company. FDA listed products.

Block	Cat. No.	Description	Max. Mountable Tube	WxDxH (mm, inch)	Mountable Capacity of Blocks		
					CHB-350S	CHB-350T	CCB-350
	CHB0030	96-well Tube block (micro-tube)	0.2ml x 96 holes	153×98×41 / 6×3.9×1.6	1	1	-
	CHB0029	0.5 ml Tube block (micro-tube)	0.5ml x 48 holes	98×76.5×41 / 3.9×3×1.6	2	2	1
	CHB0045	1.5/2.0 ml Tube block (micro-tube)	1.5/2.0ml x 30 holes	98×76.5×41 / 3.9×3×1.6	2	2	1
	CHB0028	1.5/2.0 ml Tube block (micro-tube)	1.5/2.0ml x 48 holes	153×98×41 / 6×3.9×1.6	1	1	-
	CHB0031	15 ml Tube block (centrifuge tube)	15ml x 15 holes	98×76.5×51 / 3.9×3×2	2*	2	1*
	CHB0032	50 ml Tube block (centrifuge tube)	50ml x 6 holes	98×76.5×51 / 3.9×3×2	2*	2	1*
	CHB0033			98×76.5×87 / 3.9×3×3.4	2*	2	1*
	CHB0034	ø10 Tube block	ø10 x 35 holes	98×76.5×51 / 3.9×3×2	2*	2	1*
	CHB0035	ø12 Tube block	ø12 x 24 holes		2*	2	1*
	CHB0036	ø13 Tube block	ø13 x 24 holes		2*	2	1*
	CHB0037	ø15 Tube block	ø15 x 20 holes		2*	2	1*
	CHB0038	ø16 Tube block	ø16 x 16 holes		2*	2	1*
	CHB0039	ø18 Tube block	ø18 x 12 holes		2*	2	1*
	CHB0040	ø20 Tube block	ø20 x 12 holes		2*	2	1*

* Available to use only when the lid is opened.