

Heating Block

HF100/200

Operating temp. range RT+5~200°C

Thermo Sensor Pt100Ω

The aluminum block enables more accurate temperature control such as rapid heating, concentration, decomposition, and reaction.

- Quick heat up
- Enhanced temp. adjustment accuracy ($\pm 0.2^\circ\text{C}$) with calibration off-set function.
- 10 types of aluminium block



Note: Optional aluminum blocks and microtubes are not included.

Specifications

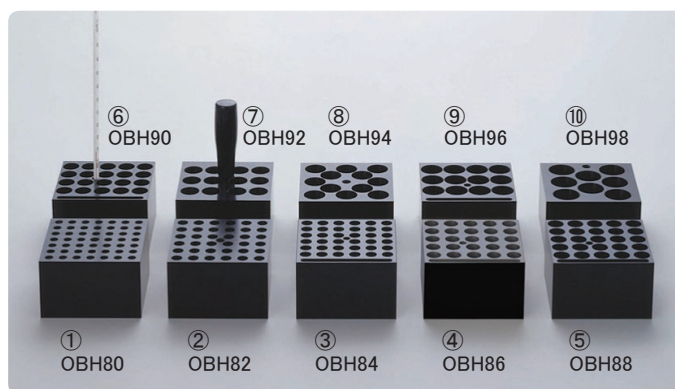
Product code	213105	213106
Model	HF100	HF200
Operating temp. range	Room temp. +5 to 200°C	
Temp. adjustment accuracy*1	$\pm 0.2^\circ\text{C}$ (at 200°C, at using $\phi 16.5$ testing tube)	
Time to reach to max. temp.	Approx. 30min. (Room temp. 23°C)	Approx. 35min. (Room temp. 23°C)
Loadable block	Aluminium block 1pc.	Aluminium block 2pcs.
Temp. control	PID Control by digital controller	
Temp. sensor	Platinum resistance thermometer sensor, Pt100Ω	
Temp. setting / display	Digital setting and display, Min. indication unit 0.1°C	
Operation function	Fixed. temp. operation, Quick automatic stop, Automatic stop, Automatic start	
Heater	Mica heater 370W	Mica heater 600W
Safety device	Over current electric leakage breaker, Automatic overheat protection (main relay shutdown and manual resetting at set temperature +12°C), Independent overheat protector (manual resetting bimetal, operating temperature approx. 230°C)	
Other functions	Key lock function, Calibration offset function, Power failure compensation function	
Bath dimensions	W112×D112×H70mm	W222×D112×H70mm
External dimensions*2	W230×D310×H139mm	W340×D310×H139mm
Power (50/60Hz)	AC115V/AC220V Single phase with step-down transformer	AC115V/AC220V Single phase with step-down transformer
Weight	Approx. 5kg	Approx. 6.5kg
Accessory	Handle for attaching and detaching of aluminum block	

*1 Performance data is based on the results of using an aluminum block for 16.5 mm test tubes at a room temperature of 23°C.

*2 External dimensions do not include projections.
The length of the power cord is about 2m outside the unit.

Operational Items (Aluminum block)

No.	Option Model	Conformance test tube	Number of sets possible	Hole Depth	Product Code
①	OBH80	0.5ml for micro tube	48 tubes	29mm	213173
②	OBH82	1.5ml for micro tube	36 tubes	37mm	213174
③	OBH84	12mm for test tube	36 tubes	50mm	213181
④	OBH86	15mm for test tube	25 tubes	65mm	213182
⑤	OBH88	16.5mm for test tube	25 tubes	65mm	213183
⑥	OBH90	18mm for test tube	20 tubes	65mm	213184
⑦	OBH92	21mm for test tube	12 tubes	65mm	213175
⑧	OBH94	24mm for test tube	12 tubes	65mm	213176
⑨	OBH96	25mm for test tube	12 tubes	65mm	213185
⑩	OBH98	30mm for test tube	8 tubes	65mm	213177



Note: ⑥ Thermometer mounting example (Thermometer is sold separately)
⑦ Handle mounting example.

Control panel



Temperature Rising Curve

