Haier Biomedical
Intelligent Protection of Life Science

Standard Incubator

HFP-168E
HZP-80E

Broad Temperature Range

4-inch Display Screen

Ergonomic Design

Scope of Application

Widely used in medical and health, pharmaceutical, biochemistry, and agricultural science sectors for bacterial culture, fermentation, and constant temperature tests. It can be used for the culture and determination of microorganisms like bacteria, molds, fungi (e.g. Staphylococcus aureus, Streptococcus, Escherichia coli), food and beverage testing, and preheating of cell culture equipment.

Innovative Design

- 100°C decontamination
- Precise temperature control
- Rapid temperature recovery after door opening

Qingdao Haier Biomedical Co., Ltd.

No.280 Feng Yuan Road, High-tech Zone,
Qingdao, 266111, P.R. China
E-mail: inquiry@haierbiomedical.com
Website: www.haiermedical.com

Haier Biomedical International
Haier Biomedical International
@haiermedicalint
Haier Biomedical International
Haier Biomedical International

Product Advantages

Multiple Security Protection

Multiple protection systems such as overheating, overcurrent, and independent temperature limiting; overtemperature, high and low temperature and other smart alarms for safety

Ergonomic Design

Efficient utilization of interior with flexible shelf system

4-inch Display Screen

The real-time display of the set temperature and running temperature makes the operation more convenient

100°C Decontamination

The disinfection routine at 100 °C minimizes the risk of contamination

High Thermal Insulation Performance

Superior insulation that improves chamber stability and reduces heat load output to the laboratory and operating power consumption, that lowers operating costs

Smart IoT Module (optional)

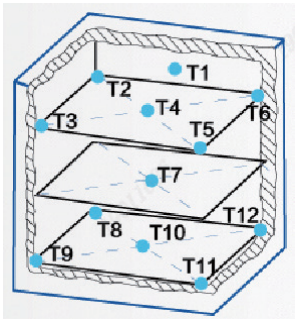
Through the mobile app, the status of the incubator can be checked in real-time

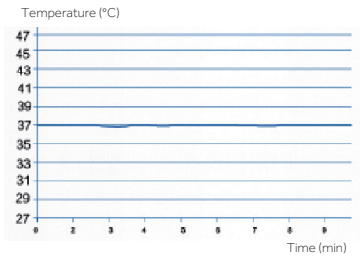
Broad Temperature Range

Temperatures from 5°C above ambient up to 105°C

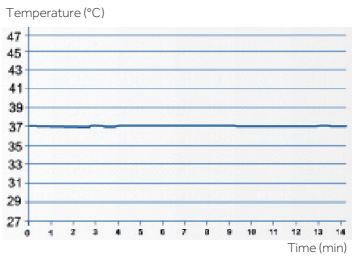
Precise Temperature Control

Vaildated through ASTM standard 12 points temperature detection method, the incubator can achieve high-precision temperature control with a temperature fluctuation of only ± 0.1°C





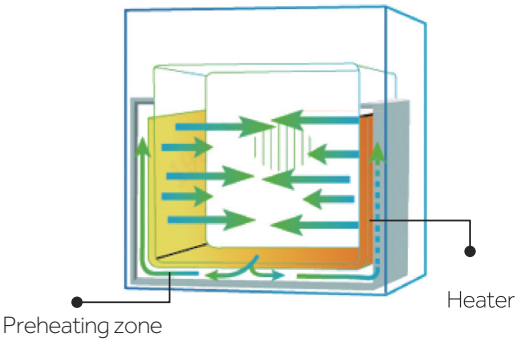
Temperature fluctuations±0.1°C
(HZP-80E)



Temperature fluctuations ±0.1°C
(HFP-168E)

Rapid Temperature Recovery After Door Open

The U-shaped 3- sided heating design enables the incubator to heat up quickly. After opening the door for 30 seconds, the temperature inside the chamber recovers to the set value within 3 minutes, significantly reducing the impact of temperature fluctuations on the experiments



Detailed Product Pictures

4-inch LED screen with simple operation and clear display

Standard independent intelligent temperature safety controller to ensure experimental safety

Smooth inner chamber with easy to clean rounded corners

Adjustable feet for easy positioning and levelling

Specifications

Model			HZP-80E	HFP-168E
Performance	Temperature Sensor		PT100	PT100
	Control Accuracy	℃	±0.1	±0.1
	Control Range	℃	RT+5~105	RT+5~105
	Temperature Fluctuation (37℃)	℃	±0.1	±0.1
	Temperature Uniformity (37℃)	℃	±0.5 at 37	±0.3 at 37
	Recovery Time After Open Door for 30s (37℃)	min	5	2.5
Control	Heating Mode		Direct Heating	Direct Heating
	Control Principle		Fuzzy PID	Fuzzy PID
	Display		4 inch LCD screen	4 inch LCD screen
Electrical	Power Supply (V/Hz)		220-240~50/60	220-240~50/60
	Power (W)		350	520
Dimensions	Capacity (L/Cu.Ft)		80/2.8	168/5.9
	Net/Gross Weight	Kg	72/80	99/110
		lbs	158.4/176	217.8/242
	Interior Dimension (W*D*H)	mm	400*400*480	490*560*630
		in	15.7*15.7*18.9	19.3*21.7*24.6
	Exterior Dimension (W*D*H)	mm	560*620*870	650*780*1028
		in	22.0*26.1*34.3	25.6*30.8*40.5
	Packing Dimension (W*D*H)	mm	720*770*1060	800*900*1200
		in	28.3*30.2*41.6	31.4*35.4*47.2
	Shelves qty (standard/max.)		2/12	2/17
	Max. load per shelf	Kg	20	20
	Partition Spacing	mm	20	20
Alarms	High/Low Temperature		Y	Y
	Over-temperature Protection		Y	Y
	Sensor Error		N	N
	Door Ajar		Y	Y
	End of Program		Y	Y
	Alarm Mode		Sound and Light/Buzzer	Sound and Light / Buzzer
Accessories	Mechanical Independent Temperature Limiting Switch		Y	Y
	RS485		Optional	Optional
	USB		N	N
	IoT Module		Optional	Optional
Certification	CE		N	N