

Vaccine Refrigerator



HBC-240



HBC-120

Scope of Application :

This product is applicable for the storage of biological products and items that need to be stored under the condition of 2~8°C. This product is used by pharmacies, pharmaceutical factories, epidemic prevention stations, health centers and hospitals as key examples.

Innovative Design

- ◎ Optimized Refrigeration System Design
- ◎ Extra-long Holdover Time
- ◎ Safe, Secure and Reliable
- ◎ Ergonomic and User Friendly Design

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Product Features



Microprocessor Control System

- Microprocessor electronic temperature controller, LED temperature display, the temperature display precision is 0.1°C and the control range is 2°C-8°C
- Solar powered display panel shows refrigerator and freezer interior temperature



Safe, Secure and Reliable

- Sensor error alarm, high and low temperature alarm
- Alarm mode: sound buzzer alarm and light flashing alarm
- All discrete units are properly grounded
- Key units like the compressor and the fan are safe and reliable



Superior Performance

- International Health Organization Certification (PQS certification)
- Extra-long holding time (It can maintain the interior temperature with only 8hrs power supply per day)
- Wide working ambient range of 5-43°C
- Operates within wide voltage range, $\pm 20\%$ volt



Ergonomic Design

- Intelligent control with no need to adjust
- High performance insulation layer with superior thermal insulation
- Ergonomic designed safety lock

Product Advantages



30-Day Electronic Temperature Logger

Data recording capacity is over 30 days, easy to review

Material

Aluminum oxide inner tube with steel coating outside, reliable and anti-corrosion, easy to clean

Shelf

The unit is equipped with 2/4 adjustable shelves, which provide large packing capacity to meet different requirements

Casters and Bottom Footings

Equipped with 4 one-way casters and 2 footings for easy movement and leveling

Door Body Design

Designed and manufactured with foaming materials on the outer door with double sealing to provide superior preservation performance; The unit has acrylic material on the inner door, to effectively reduce the loss of temperature when accessing medical supplies to improve product uniformity

Superior Insulation Performance

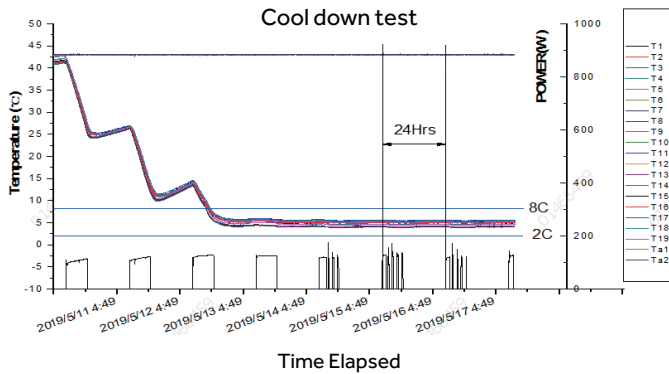
140mm insulation layer for improved insulation and energy saving effect

Product Parts Diagram



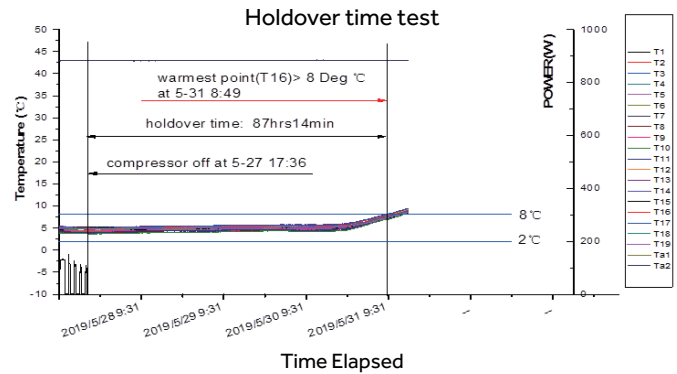
Product Performance

Cooling curve of 43°C ambient temperature (HBC-240)



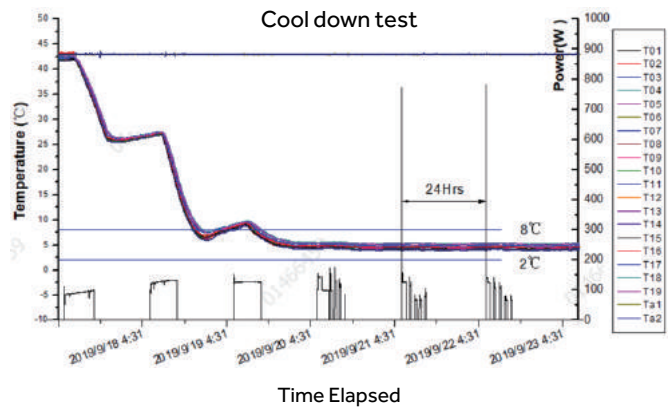
Condition: Ambient: 43°C Thermostat: -- Vaccine load: --
 Duty cycle: 14%
 Power consumption over 24hrs: 0.40kWh
 Internal temperature: Max: 5.6°C (T17) Min: 3.9°C (T7, T8)

Power off insulation time curve of 43°C ambient temperature (HBC-240)



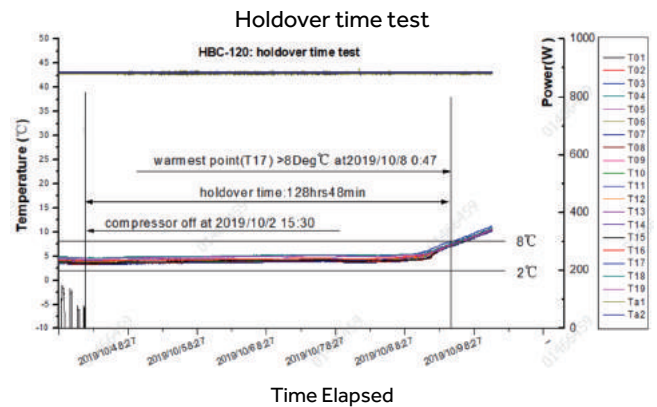
Condition: Ambient: 43°C Thermostat: --
 Vaccine load: 200L

Cooling curve of 43°C ambient temperature (HBC-120)



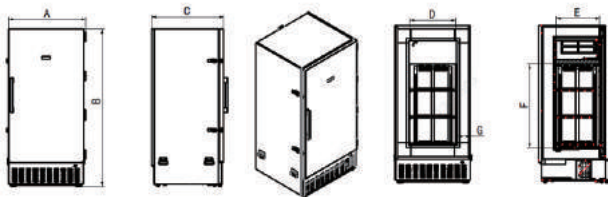
Condition: Ambient: 43°C Thermostat: -- Vaccine load: --
 Duty cycle: 14%
 Power consumption over 24hrs: 0.35kWh
 Internal temperature: Max: 5.5°C (T18) Min: 3.8°C (T07)

Power off insulation time curve of 43°C ambient temperature (HBC-120)



Condition: Ambient: 43°C Thermostat: -- Vaccine load: 100L

Product Dimension Drawings



No.	A	B	C	D	E	F	G
HBC-240 (mm)	890	1815	829	530	500	960	150
HBC-120 (mm)	890	1425	829	530	500	530	150

Model		HBC-120	HBC-240	
Technical Data	Cabinet Type	Upright	Upright	
	Ambient Temperature (°C)	5~43	5~43	
	Cooling Type	Direct Cooling	Direct Cooling	
	Refrigerant	CFC-Free	CFC-Free	
	Noise (dB(A))	< 40	< 40	
Performance	Temperature Range (°C)	2~8	2~8	
	Freezer Protection Level	A	A	
Control	Controller	Microprocessor	Microprocessor	
	Display	Solar LED Temperature Display	Solar LED Temperature Display	
Electrical Data	Power Supply (V/Hz)	220V~240V (50/60Hz)	220V~240V (50/60Hz)	
	Power (W)	145	145	
	Electrical Current (A)	1	1	
	Power Consumption: Stable Running (KWh/24h)	0.35	0.35	
	Power Consumption: Cool Down Test (KWh/24h)	0.4	0.4	
	Holdover Time at 32°C	185h	165h	
	Holdover Time at 43°C	128hrs48min	87h14min	
Dimensions	Vaccine Storage Capacity (L/Cu.Ft)	100/3.6	200/7.2	
	Gross Volume (L/Cu.Ft)	120/4.3	240/8.5	
	Net/Gross Weight (approx)	kg	128/160	152/186
		lbs	281.6/352	334.4/409.2
	Interior Dimensions (W*D*H)	mm	530*500*530	530*500*960
		in	20.87*19.69*20.87	20.87*19.69*37.8
	Exterior Dimensions (W*D*H)	mm	890*829*1425	890*829*1815
		in	35.04*32.64*56.10	35.04*32.64*71.46
	Packing Dimensions (W*D*H)	mm	985*920*1600	985*920*2010
		in	38.78*36.22*62.99	38.78*36.22*79.12
Container Load (20'/40'/40'H)		12/24/24	12/24/24	
Alarm Functions	High/Low Temperature	Y	Y	
	Sensor Error	Y	Y	
Accessories	Foot/Castor	Y	Y	
	Baskets/Shelves	2	4	
Other	Certificate	CE/WHO/PQS	CE/WHO/PQS	
	Data Logger	Y	Y	

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