

Advantage

- Small footprint, light and easy for installation
- User adjustable temperature setting
- Simple to program and operate
- Flexible – Can be installed on any ULT freezer, which has a port hole
- The CO₂ injection pipe is designed in combination of filter, to prevent the blockage of CO₂ back-up system

Safety

- Liquid CO₂ test button to ensure the backup system is working
- Low CO₂ alarm system alerts the user when liquid CO₂ bottle is low in liquid level
- Ultra-low sound level compressors

Reliability

- Stainless steel covering, more elegant
- Stainless steel input pipe design, allows for flexibility and ease of cylinder positioning
- Durable battery lasts up to 48 hours



	Model	HBX-IC	HBX-IB
Technical Data	Cabinet Type	Horizontal	
	Climate Class	N	
	Cooling Type	Direct cooling	
	Refrigerant	CO ₂	
Performance	Cooling performance(°C)	-70	
	Temperature Range(°C)	-40~-70	
Control	Controller	Thermostat	
	Display	LED	
Electrical Data	Power Supply (V/Hz)	220-240/50	208-230/60 115/60
	Power (W)	20	
	Electrical Current (A)	0.25	
Dimensions	Net/Gross Weight (approx)	11.2/14(kg)	
		24.7/30.86(lbs)	
	Exterior Dimensions (W*D*H)	200*400*160 (mm)	
		7.8*15.7*6.3 (in)	
Packing Dimensions (W*D*H)	370*530*330(mm)		
	14.6*20.9*13(in)		
Functions	CO ₂ Margin Insufficient Alarm	Y	
	Low Battery Alarm	Y	
	Sensor Error Alarm	Y	
	Main Power Off Alarm	Y	
	Charge Indicator	Y	
	CO ₂ Injection Test Button	Y	
Accessories	Foot	4	
Others	Certification	CE	UL

Product appearance and specifications are subject to change without notice

LN₂ Backup System

An LN₂ backup cooling system is an independent refrigeration system for a ULT freezer. When there is a loss of power or the temperature of the freezer rises to the high alarm set point, the LN₂ backup system can be automatically activated to inject LN₂ into the chamber to maintain the freezer temperature. The backup system operates on a rechargeable battery when there is a loss of main power.



Bright LED Display



Front-mounted Control Panel



Side Grille



Features

- Interlocked design to turn off the LN₂ injection when the door is opened
- Protection circuit to prevent over-charging battery
- Light weight and portable design, suitable for installation on top of a freezer
- Alarm functions to include low battery and sensor error

	Model	HBX-IIA	HBX-II
Technical Data	Cabinet Type	Horizontal	
	Cooling Type	Direct cooling	
	Refrigerant	LN ₂	
Performance	Cooling performance(°C)	-135	
	Temperature Range(°C)	-90--135	
Control	Controller	Thermostat	
	Display	LED	
Electrical Data	Power Supply (V/Hz)	220-240/50	208-230/60 115/60
	Power (W)	20	
	Electrical Current (A)	0.05	
Dimensions	Net/Gross Weight (approx)	15/17(kg)	
		33.1/37.5(lbs)	
	Exterior Dimensions (W*D*H)	360*305*445(mm)	
		14.2*12.0*17.5(in)	
Packing Dimensions (W*D*H)	417*357*698(mm)		
	16.4*14.1*27.5(in)		
Functions	Low Battery Alarm	Y	
	Sensor Error Alarm	Y	
	Main Power Off Alarm	Y	
	Charge Indicator	Y	
Others	Certification	CE	UL

Product appearance and specifications are subject to change without notice