

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

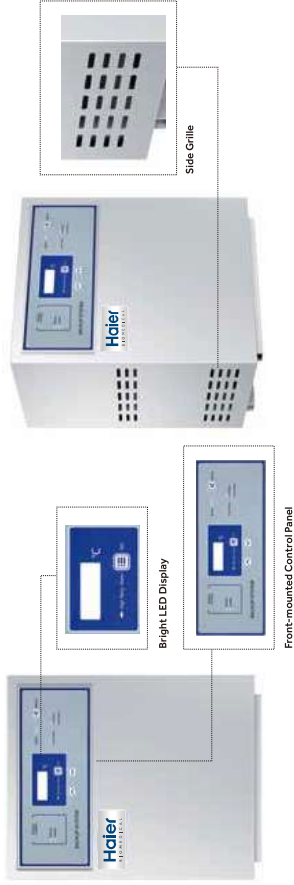
Reliability

- 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



LN₂ Backup System

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.



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

Specifications

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

Specifications

	Model	HBX-IC	
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	
	Power (W)	20	
Dimensions	Electrical Current (A)	0.25	
	Net/Gross Weight (approx)	11.9/14 24.7/30.85	
	Exterior Dimensions (W*D*H)		200*400*160
			7.8*15.7*6.3
Packing Dimensions (W*D*H)		370*530*330	
		14.6*20.9*13	
Alarms	CO ₂ Margin Insufficient Alarm	Y	
	Low Battery Alarm	Y	
	Sensor Error Alarm	Y	
	Main Power Off Alarm	Y	
Accessories	Charge Indicator	Y	
	CO ₂ Injection Test Button	Y	
Others	Foot	4	
	Certification	CE/UL	



Product appearance and specifications are subject to change without notice