

LN₂ Back-up System

BS-II is to ensure optimal security for critical samples stored in ultra low temperature freezers. It controls injection of LN₂ into freezer when freezer temperature rises above the preset temperature value.



ADVANTAGE

- Compact design, small footprint, can be placed on freezer top
- Temperature display, setting temperature adjustable by user
- USA-made ASCO brand ultra-low temperature electromagnetic valve

RELIABILITY

- Stainless steel construction, rust-free, easy cleaning
- Hose & injection tube with sponge cover for insulation
- Rechargeable battery for 48 hours working time

SAFETY

- Valve test button to check whether electromagnetic valve works normally
- High/Low temperature alarm, low battery alarm
- Stop injection of LN₂ when door opens, protecting user from being injured by liquid LN₂ (need to be connected with ULT freezer door switch).

LN₂ Back-up System

		Model	BS-II	
Basic	Climate Class		N	
	Cooling Type		Direct Cooling	
	Refrigerant		LN ₂	
Performance	Cooling Performance (°C)		-99	
	Temperature Range (°C)		-60~-99	
Control	Controller		Thermostat	
	Display		LED	
	Temperature Increment (°C)		1	
Electrical	Power Supply		AC 100~240V, 50/60Hz	
	Power (W)		20	
	Electrical Current (A)		0.25	
Weight & Dimension	Net/Gross Weight		11.2/13.6kg 24.7/30lbs	
	Exterior Dimension (W*D*H)		200×400×160 (mm) 7.8×15.7×6.3 (in)	
		Packing Dimension (W*D*H)		370×530×330 (mm) 14.6×20.9×13 (in)
	Functions	High/Low Temperature Alarm		●
		Low Liquid LN ₂ Alarm		N/A
Low Battery Alarm			●	
Sensor Failure Alarm			●	
Main Power Failure Alarm			●	
Valve Open Indicator Light			●	
Main Power On Indicator Light			●	
Valve Test Button		●		
Accessories	*Hose (connecting backup system & LN ₂ cylinder)		3 meter	
	Injection Tube (connecting backup system & freezer)		2 meter	

*The specification of the joint connected to the LN₂ cylinder is CGA-295

