

# Vacc-Safe

## LN2 Backup System

Liquid Nitrogen backup systems are designed to ensure optimal safety for critical samples stored in Ultra Low Temperature Freezers. When the temperature in the freezer rises above a preset value, the backup system injects liquid nitrogen into the freezer via an electromagnetic valve.

### Key features and advantages

- Compact design with a small footprint, can easily be placed on top of ULT Freezers.
- Temperature display and adjustable set point
- Test button to check that the electromagnetic valve is functioning correctly.
- Multiple alarms
- Rechargeable battery with 48 hours working time
- Stops injection LN2 when the door is opened to protect users
- Standard metal hoses (connecting reserve system and cylinder) and LN2 injection tube included, no additional preparation needed





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### Specifications

Model VBS-N		
Basic Information	Climate Type	N/ST/T
	Cooling Method	Direct Cooling
	Refrigerant	Liquid Nitrogen
Performance	Cooling Temperature (°C)	-86°C
	Temperature Range (°C)	-40 to -86°C
Control	Display	LED
	Temperature Increment	1°C
Power	Power Supply	AC 100-240V, 50/60Hz
	Power (W)	20
	Current(A)	0.25
Weight and size	Net/Gross Weight	10.2/13.6 KG
	External dimensions (W*D*H)	200*410*160
	Packing dimensions (W*D*H)	370*530*330
Function	High/Low Temperature Alarm	Y
	Low Battery Alarm	Y
	Sensor Fault Alarm	Y
	Main Power Outage Alarm	Y
	Electromagnetic Valve Open Indicator Light	Y
	Mains Power Supply Indicator Light	Y
	Electromagnetic Valve Test Button	Y
Accessories	Metal Hose	3 meters as standard
	Injection Pipe	2 meters as standard