

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 |