CO2 Back-up System

BS-1 ensures safety of critical samples in ult freezers by injecting CO2 through controlled valves when temperature rises above preset value. System alerts users to refill/replace CO2 cylinder when pressure is low.





Feature

- Compact design, small footprint, and can be placed on top of ult freezers;
- Temperature display and adjustable settings for users;
- Unique low-pressure CO2 alarm reminds users to replace CO2 cylinder promptly;
- US-imported ASCO valves for ultra-low temperature use.

Safety

- Test button for checking proper functioning of electromagnetic valves;
- High/low temperature, low battery, and low CO2 alarms;
- Rechargeable battery with 48-hour working time;
- CO2 injection stops when door opens to protect users from liquid CO2 exposure. (Requires connection to freezer door switch).

Humanized design

- Stainless steel structure, rust-free, and easy to clean;
- Standard metal hoses (connecting reserve system and cylinder) and CO2 injection tube included, no additional preparation needed.

Model No.		BS-1
Basic information	Climate type	N/ST/T
	Cooling method	Direct cooling
	Refrigerant	Liquid CO2
Performances	Cooling Temperature(℃)	-70
	Temperature range(℃)	-40~-70
Containment	Control	thermostat
	Dispaly	LED
	Increment(℃)	1
Electricity	Power supply	AC 100~240V, 50/60Hz
	Power (W)	20
	Voltage(A)	0.25
W & D	Net/Gross weight	10.2/13. 6kg 24.7/30lbs
	External dim. (W*D*H)	200*410*160(mm) 7.8*15.7*6.3(in)
	Package dim. (W*D*H)	370*530*330(mm) 14.6*20.9*13(in)
Function	High / low temperature alarm	Y
	Low battery alarm	Y
	Sensor Failure Alarm	Y
	Power failure alarm	Y
	Solenoid open indicator	Y
	Power supply indicator	Y
	Solenoid Test Button	Y
Accessories	Metal hose	3M, Y
	Ejector hose	2M, Y

