

-150°C Freezer



BDF-150H128

Technical Parameters

Model	BDF-150H128	
Capacity	128L	
Temperature Range	-40~-150°C	
Temp. Accuracy	0.1°C	
Temp. Uniformity	≤5°C	
Temp. Stability	≤6°C	
Control System	Microprocessor control	
Display	7-inch LCD touch screen	
Alarm	High temperature alarm, low temperature alarm, abnormal power supply alarm, sensor fault alarm, filter check alarm, ambient temperature alarm, condenser fault alarm	
Refrigeration Type	Direct-cooling	
Refrigerant	R4001, 2000g	
Compressor	Compressor of French origin/1	
Condenser & Evaporator	copper tube finned condenser; copper tube coil evaporator,	
Defrost	Manual defrost	
Construction	High density polyurethane foam, CFC free	
Material	Internal Material	304 stainless steel
	External Material	Sprayed steel plate
Door	Outer door: sprayed steel plate door*1 Inner door: XPS extruded polystyrene foam board door*1	
Consumption	3125W	
Power Supply	AC 220V, 50/60Hz(Standard); 110V, 50/60Hz(Optional)	
Casters	Yes	
Shelf	/	
Standard Accessory	USB interface, remote alarm terminal, manometer, test port	
Optional Accessory	Temperature recorder, liquid nitrogen backup system	
Internal Size(W*D*H)	500*450*578mm	
External Size(W*D*H)	1560*957*1178mm	
Package Size(W*D*H)	1637*970*1383mm	
Net Weight	245kg	
Gross Weight	340kg	

Backup Refrigeration System



Introduction

The core function of the carbon dioxide backup system and the liquid nitrogen backup system is to automatically activate and provide a cold source inside the chamber in the event of a main power failure or refrigeration system malfunction, thereby preventing valuable samples from being damaged due to temperature rise.

Features

- * Adopts a low-temperature solenoid valve for more stable temperature control.
- * Suitable for temperature maintenance of both upright and chest ultra-low temperature freezers.
- * The carbon dioxide backup system maintains a temperature range of -20°C to -70°C; the liquid nitrogen backup system maintains a temperature range of -40°C to -86°C.
- * Compatible with liquid nitrogen or liquid carbon dioxide as working media.
- * Applicable to most ultra-low temperature freezers and low-temperature refrigerators equipped with a test port.
- * Customized connector services are available.

Technical Parameters

Model	BK-CDBS	BK-LNBS
Temperature Range	-20~ -70°C	-40~ -86°C
Gas Source	Liquid carbon dioxide	Liquid nitrogen
Housing Material	Coated high-quality cold-rolled steel, light gray	
Leveling Feet	4	
Alarm	Probe failure alarm, low battery alarm, high/low temperature alarm, gas source failure alarm	
Power Supply	AC 100~240V, 50/60Hz	
External Size(W*D*H)	262*355*158mm	
Package Size(W*D*H)	450*355*365mm	
Net Weight	8kg	
Gross Weight	14.5kg	