



-150°C Ultra Low Temperature Chest Freezer LCF-E1 Series

-150°C Ultra Low Temperature Chest Freezer LCF-E10

-150°C Ultra Low Temperature Chest Freezer LCF-E10 is an ultra-deep freezer, comes with 128 L capacity and -150°C of cooling performance. Features platinum resistor temperature sensors and microprocessor control along with single-pole lubrication compressor refrigeration technology. Incorporated with adjustable -110 to -150°C of temperature range, offers direct cooling method and manual defrost mode. Designed with sprayed steel plate housing and stainless-steel interior, has two times foaming technology with super thick VIP insulation. Equipped with mixture gas as refrigerant, digital display and advanced alarm system, also has turn-on delay and stopping interval protection function, keyboard lock function and password protection function to prevent unauthorized access.

-150°C Ultra Low Temperature Chest Freezer LCF-E11

-150°C Ultra Low Temperature Chest Freezer LCF-E11 is an ultra-deep freezer, comes with 258 L capacity and -150°C of cooling performance. Features platinum resistor temperature sensors and microprocessor control along with single-pole lubrication compressor refrigeration technology. Incorporated with adjustable -110 to -150°C of temperature range, offers direct cooling method and manual defrost mode. Designed with sprayed steel plate housing and stainless-steel interior, has two times foaming technology with super thick VIP insulation. Equipped with mixture gas as refrigerant, digital display and advanced alarm system, also has turn-on delay and stopping interval protection function, keyboard lock function and password protection function to prevent unauthorized access.

Features

- ❑ An ultra-deep freezer with -150°C of cooling performance, targeted refrigeration
- ❑ Platinum resistor temperature sensors and microprocessor control, high precision
- ❑ Single-pole lubrication compressor refrigeration technology, efficient and fast
- ❑ Adjustable -110 to -150°C of temperature range with direct cooling method
- ❑ Manual defrost mode and mixture gas as refrigerant, efficient and environment-friendly

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- ❑ Sprayed steel plate housing and stainless-steel interior, low maintenance
- ❑ Two times foaming technology with super thick VIP insulation, effective insulation
- ❑ Digital display, convenient setting and monitoring of different running parameters
- ❑ Advanced alarm system with turn-on delay and stopping interval protection function
- ❑ Keyboard lock function and password protection function to prevent unauthorized access
- ❑ High-precision unit with high-efficient cooling system and targeted refrigeration

Application

-150°C Ultra-low Chest Freezer is used for scientific research, low temperature test of special materials, freeze skins, DNA/RNA, bones, bacteria, sperm and biological products etc. across hospitals, sanitation and anti-epidemic stations, biological engineering, laboratories in colleges & universities, military enterprises etc.

Specifications

Model	LCF-E10	LCF-E11
Cabinet type	Chest	
Capacity	128 L	258 L
Temperature Range	-110 to -150°C	
Ambient Temperature	16 to 32°C	
Cooling Performance	-150°C	
Cooling Method	Direct cooling	
Defrost Mode	Manual	
Refrigerant	Mixture gas	
Climate Class	N	
Controller	Microprocessor	
Display	Digital display	
Compressor	1 pc	

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Alarm System	High/Low temperature, High ambient temperature, Power failure , Low battery, Sensor failure, System failure, Condenser cooling failure	
External Material	Steel plates with spraying	
Internal Material	304 Stainless-steel	
Insulation	212 mm	200 mm
Casters	6	
Door Lock with Key	Yes	
Protection Function	Turn-on delay and stopping interval protection function, Keyboard lock and password protection function	
Access Port	1 pc Φ40 mm	
Data Logging/Interval/Recording Time	Printer/Record every 20 minute / 7 days	
ss	Yes	
Power Supply	230±10% V, 50 Hz	380±10% V, 50 Hz
Rated Current	34.53 A	21.3 A
Internal Dimension (W×D×H)	510×460×540 mm	1140×410×552 mm
External Dimension (W×D×H)	1665×1000×1115 mm	2250×940×1120 mm
Packaging Dimension (W×D×H)	1815×1085×1304 mm	2325×1005×1299 mm
Net Weight	347 kg	460 kg
Gross Weight	412 kg	540 kg

Optional Accessories

Accessories no.	Name
1	Chart recorder
2	CO ₂ backup system