



# **-164°C Ultra Low Temperature Chest Freezer LCF-F10**

-164°C Ultra Low Temperature Chest Freezer LCF-F10 is a 128 L unit designed with dual core refrigeration system and temperature range of -120°C to -164°C. Integrated with single-pole lubrication compressor refrigeration technology with ultra-thick foaming insulation layer, ensures lower heat dissipation. Coated with sprayed steel sheet exterior and stainless-steel interior, has VIP vacuum thermal insulation and safety door lock. Equipped with microprocessor controller and platinum resistor temperature sensors, also supports advanced alarm system and multiple protection function.

### **FEATURES**

- ▶ Dual core rapid refrigeration, energy saving and low power consumption
- ▶ Bright LED display for easy setting and observation of technical parameters
- ▶ Spray coated steel sheet exterior and stainless-steel interior, low maintenance
- ▶ Ergonomic design with safety door lock to avoid abnormal door opening
- ▶ Advanced refrigeration system with built-in sensors and environment-friendly refrigerant
- ▶ Direct cooling and manual defrost mode optimized temperature stability and uniformity
- ▶ Microprocessor controller with PRT sensors, precise temperature control
- ▶ Alarm System and multiple protection function, ensures safe storage and operation
- ▶ High-efficient, stable and reliable unit with high-efficient cooling system

### **APPLICATION**

-164°C Ultra Low Temperature Chest Freezer is used in scientific research, low temperature test of special materials, DNA/RNA, bones, bacteria, biological products and blood plasma cryopreservation etc. it is often used in blood bank stations, hospitals, sanitization centers, anti-epidemic stations, laboratories and universities etc.

**SPECIFICATION**

<b>MODEL</b>	<b>LCF-D10</b>
Cabinet Type	Chest
Capacity	128 L
Temperature Range	-120°C to -164°C
Ambient Temperature	16°C to 32°C
Cooling Performance	-164°C
Cooling Method	Direct cooling
Defrost Mode	Manual
Refrigerant	Mixture gas
Climate Class	N
Controller	Microprocessor
Display	Digital display
Compressor	1 pc
Alarm System	High/Low temperature, High ambient temperature
External Material	Steel plates with spraying
Internal Material	304 Stainless steel
Foaming Lid	2
Insulation Thickness	212 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. Ø 40 mm
Data Logging/Interval/Recording Time	Printer/Record every 20 minute / 7 days
Backup Battery	Yes
Power Supply	380 V, 50 Hz
Power	10700 W

## -164°C Ultra Low Temperature Chest Freezer LCF-F10

Input Power	13600 W
Rated Current	20.7 A
Internal Dimension (W × D × H)	510 × 460 × 540 mm
External Dimension (W × D × H)	1665 × 1000 × 1115 mm
Package Dimension (W × D × H)	1815 × 1085 × 1304 mm
Net Weight	380 Kg
Gross Weight	445 Kg

### Optional Accessories

ACCESSORIES NO.	ACCESSORIES NAME
1	Charter Recorder
2	CO <sub>2</sub> Backup System