-40°C Ultra-low Temperature Freezer

Double Compressors • Double Temperatures
Double Control Units & Double Displays

MELING
BIOMEDICAL

DW-FL450

CE (UL)

Refrigeration System
Freon-free refrigerant, high-efficiency compressor and fan can guarantee fast cooling and are energy-saving and environmentally friendly.

Temperature Control System
High-precision microcomputer temperature control system and platinum resistor temperature sensors ensure more precise temperature control.

People-oriented Design
· High-quality steel plate structure processed with phosphate coating and ABS liner are corrosion resistant;
· Low noise design can create a comfortable work environment.

High-precision Temperature Control

· The digital temperature display can indicate operating status clearly;
· Independent control of double compressors can realize control of temperatures inside the upper chamber and the lower chamber separately;
· The high-precision microcomputer temperature control system enables users to set the temperature inside the cabinet within a range from -20℃ to -40℃.

Refrigeration System

· Use of environmentally friendly Freon-free refrigerant and the double-compressor and double-system design enable users to set different temperatures separately and ensure fast refrigeration;
· The condenser installed on the bottom ensures temperature stability and system reliability;
· The CFC-free polyurethane foam technology and the thicker insulating layer can improve the effect of thermal insulation.

Alarm system

· The well-developed audible & visual alarm system makes it safer for storage;
· The turn-on delay and stopping interval protection function can ensure reliability in running;
· The door is equipped with a lock, improving security of sample storage.
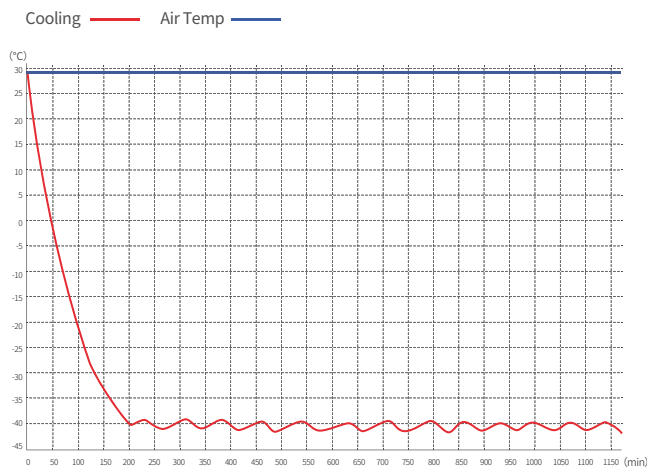
Human-oriented

· The arc angle-shaped door frame and cabinet design makes its appearance more attractive;
· The built-in door gasket is dustproof and easy to clean;
· Each of the refrigerating chamber and the freezing chamber is equipped with 6 drawers, which are convenient for storage of things.
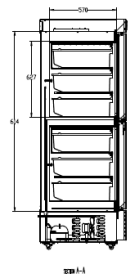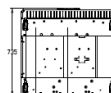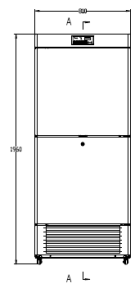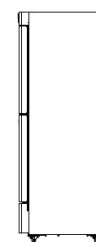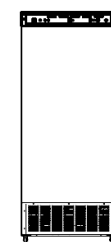
✓ Scope of Application

Suitable for freezing of ice bars and storage of various things needing refrigerated storage such as blood plasma, reagent, etc. Suitable for use in hospitals, clinics, health and disease prevention systems, blood banks, laboratories in colleges & universities, the frozen food industry and catering industry, etc.

🔗 Performance Data / Cooling Curve

Cooling ——   Air Temp ——

☑ Eternal Dimension

𝝥 Specification Chart

-40°C Ultra-low Temperature Freezer

Model	DW-FL450
Cabinet Type	Upright
Capacity(L)	450
Internal Size(W*D*H)mm	(650*570*627)*2
External Size(W*D*H)mm	810*735*1960
Package Size(W*D*H)mm	895*820*2135
NW/GW(Kgs)	144/172
Performance	
Temperature Range	-20〜-40°C
Ambient Temperature	16-32°C
Cooling Performance	-40°C
Climate Class	N
Controller	Microprocessor
Display	Digital display
Refrigeration	
Compressor	2pcs
Cooling Method	Direct cooling
Defrost Mode	Manual
Refrigerant	R290
Insulation Thickness(mm)	80
Construction	
External Material	PCM
Inner Material	Aluminum plate with spraying
Drawer	6*2(ABS)
Door Lock with Key	Yes
Door	2
Access Port	2pcs. Ø 25 mm
Casters	4(2 casters with brake)
Data Logging/Interval/Recording Time	USB/Record every 10 minutes / 2 years
Backup Battery	Yes
Alarm	
Temperature	High/Low temperature,High ambient temperature
Electrical	Power failure,Low battery
System	Sensor failure, Built-in USB datalogger failure,Door ajar,Communication error
Electrical	
Power Supply(V/HZ)	220-240~/50
Power(W)	346
Power Consumption(KWh/24h)	4.85
Rated Current(A)	4.5
Accessories	
Standard	RS485,Remote alarm contact

*The model, parameters and performance specified in this brochure may be changed without prior notice because of product upgrading.
*There may be differences between the product images shown in this brochure and the actual products. When you are buying any product, please check the actual product.