

# -40°C Ultra-low Temperature Freezer

Targeted Refrigeration • Fast Refrigeration  
Energy-saving & Environmentally Friendly



## DW-FL778



### Refrigeration System

- Freon-free refrigerant, compressor supplied by an international famous brand and EBM fan can guarantee fast cooling and are energy-saving and environmentally friendly;
- Refrigerating circuit with proprietary intellectual property rights ensures high efficiency and stability;
- The insulated foamed outer door with seal design prevents loss of cooling capacity effectively;

### 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 with phosphate coating, Galvanized steel liner and low noise design can create a comfortable environment.



### High-precision Temperature Control

- The digital temperature display can show various parameters simultaneously, such as temperature inside the cabinet, power voltage and environmental temperature, indicating operating status clearly;
- The high-precision microcomputer temperature control system and platinum resistor temperature sensors enable users to set temperature inside the cabinet within a range from -20°C to -40°C.



### Refrigeration System

- EBM fan are powerful, energy-saving and highly efficient;
- The large-area finned condenser is characterized by a space equal to or less than 2mm between fins, providing a large area for heat dissipation and satisfactory performance.



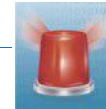
### Human-oriented

- Door handle with lock for safety operation;
- The adjustable layered structure is convenient for storage of various things;
- The liner made from high quality galvanized steel sheet for medical use is low-temperature tolerant and corrosion-resistant, which has a long service life and is easy to clean.



### Thermal Insulation System

- The insulated foamed outer door with seal design prevents loss of cooling capacity effectively;



### Security System

- High/low temperature alarm, power failure alarm, door ajar alarm, system failure, communication error, high ambient temperature, Condenser overheating alarm etc;
- Startup delay and stop interval protection function to ensure reliable operation;
- Keyboard lock and password protection function to prevent arbitrary adjustment of operating parameters;
- Safety door lock design, ensure sample storage is more secure.



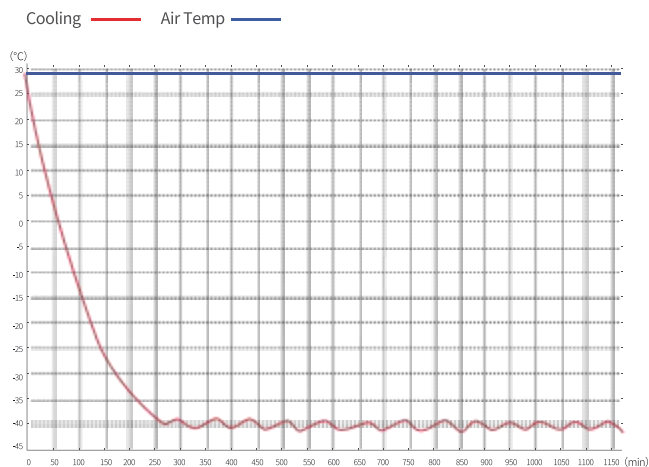
### Chart Recorder

- Equipped with a printer;
- The filtering screen is removable and easy to clean.
- This technology provides you with temperature recorders without electronics.
- No power supply is required.
- European imported brand, durable and reliable.

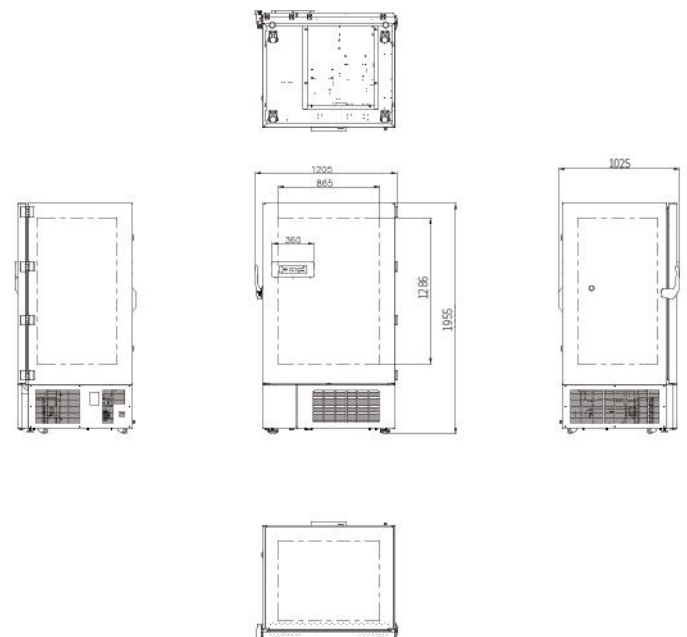
## ✓ Scope of Application

Suitable for use in scientific research, cryogenic test on special materials, blood plasma cryopreservation, low temperature resistance test on biological materials, vaccines, biological products and military products, etc. Suitable for use in research institutions, the electronic industry, the chemical industry, hospitals, the health & disease prevention system, laboratories in colleges & universities, military enterprises, etc.

## 🔗 Performance Data / Cooling Curve



## 📐 External Dimension



-40°C Ultra-low Temperature Freezer	
Model	DW-FL778
Cabinet Type	Upright
Capacity(L)	778
Internal Size(W*D*H)mm	865*696*1286
External Size(W*D*H)mm	1205*1025*1955
Package Size(W*D*H)mm	1320*1155*2171
NW/GW(Kgs)	286/378
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)	130
Construction	
External Material	Cold rolled steel sheet
Inner Material	Stainless steel / Galvanized steel sheet (optional)
Shelves	3(stainless steel)
Door Lock with Key	Yes
Padlock	Yes
Access Port	3pcs. Ø 25 mm
Casters	4+(2 leveling feet)
Data Logging/Interval/Memory capacity	USB/Record every 10 minutes/100,000 data
Backup Battery	Yes
Alarm	
Temperature	High/Low temperature, High ambient temperature
Electrical	Power failure, Low battery
System	Sensor failure, Condenser overheating, Door ajar, Communication error, Built-in USB datalogger failure
Electrical	
Power Supply(V/HZ)	220-230~/50
Power(W)	700
Power Consumption(KWh/24h)	11.23
Rated Current(A)	9.7
Accessories	
Standard	RS485, Remote alarm contact
Optional	Chart recorder

\*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.