

-86 °C Upright Ultra Low Freezers



-86 °C Ultra low freezer is specially designed for long term storage of various biological products, such as germs, virus, erythrocytes, leukocytes, suits. It can be installed in institutions including blood banks, hospitals, epidemic prevention services, research institutes and laboratories for electronic and chemical plants, biological engineering institutes marine fishery companies.

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Characteristics of the product function:

1.Refrigeration System

Optimized cascade refrigeration technology, SECOP compressor to reach a high efficient refrigeration effect;
Specially designed Heat Exchanger, heat transfer high efficient, save Energy;
Dual independent refrigeration system, once one set fails, another set can maintain inner temperature at -70 °C (Models YJ -86L280 excepted);
CFC-Free overall situ polyurethane foaming insulation;
CFC-Free refrigerant

2. Temperature Control

Microprocessor control,7" color touch screen display inner temperature, ambient temperature, running status and alarm information clearly;

The inner temperature can be adjustable at the range of-10 °C ~-86 °C, with an increment of 0.1 °C;

3. Safety Control

Malfunction alarms: high temperature alarm, low temperature alarm, Sensor failure, Power failure alarm, Door jammed, low voltage of backup battery; Over temperature alarm system, set the alarm temperature as requirements;
Three alarming methods: buzzer alarming, digital flashing alarming and Remote alarm.

Protection function: power-on delay, time between stops; Chart temperature recorder monitor system(Optional).

4.Ergonomic Design

Design of computer-user interface based on 7" color touch screen;
Safety door lock, preventing unauthorized access;
Wide voltage design from 187V to 242V;
USB export interface for event and temperature data
Pressure-balanced port design, easy to open the door;
Heavy type caster and locking adjustable screw, easy to move and fix.

Technical Parameters

Model		YJ-86L280	YJ-86L360	YJ-86L480	YJ-86L590
Technical Data	Cabinet Type	Vertical	Vertical	Vertical	Vertical
	Climate Class	N	N	N	N
	Cooling Type	Direct cooling	Direct cooling	Direct cooling	Direct cooling
	Defrost Mode	Manual	Manual	Manual	Manual
	Refrigerant	CFC-Free, Mixing	CFC-Free, Mixing	CFC-Free, Mixing	CFC-Free, Mixing
Performance	cooling performance(°C)	-86			
	Temperature Range(°C)	-40~-86			
Material	Exterior Material	Galvanized steel powder coating			
	Interior Material	Galvanized steel powder coating/stainless steel			
Dimensions	Cap city(L)	280L	360L	480L	590L
	Interior Dimensions(W*D*H)	440x580x1310mm	440x580x1310mm	600x580X1310mm	740x580X1310mm
	Exterior Dimensions(W*D*H)	620x650X1920mm	620x780x1920mm	780x780X1920mm	920x780X1920mm
	Thickness of Cabinet Foamed Layer	Four walls and top with 90mm, bottom with 130mm			
	Thickness of Door	90mm	90mm	90mm	90mm
Capacity for 2 inch boxes		180	340	320	400
Inner door		2	2	2	2

Power Supply(V/Hz)		220V/50Hz(110V/60Hz)	220V/50Hz(110V/60Hz)	220V/50Hz(110V/60Hz)	220V/50Hz(110V/60Hz)
Controller Functions	Display	7" LCD touch screen			
	High/Low Temperature	Y	Y	Y	Y
	Hot Condenser	Y	Y	Y	Y
	Power Failure	Y	Y	Y	Y
	Sensor Error	Y	Y	Y	Y
	Low Battery	Y	Y	Y	Y
	High Ambient Temp	Y	Y	Y	Y
	Door Ajar	Y	Y	Y	Y
	Alarm mode	Sound and light alarm, remote alarm terminal			
Accessories	Caster	Y	Y	Y	Y
	Test Hole	Y	Y	Y	Y
	Shelves (stainless steel)	3	3	3	3
	Chart Temperature Recorder	Optional	Optional	Optional	Optional
	Door locking device	Y	Y	Y	Y
	Handle	Y	Y	Y	Y
	Pressure balance hole	Y	Y	Y	Y
	USB Interface	Y	Y	Y	Y

	Racks & Boxes	Optional	Optional	Optional	Optional
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