

-86°C Upright ULT Freezer

-86°C ULT Freezer is specially designed for long term storage of various biological products, such as germs, virus, erythrocytes, leukocytes, cutis. 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 and marine fishery companies.

Features:

● Features 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 DW-86L280 excepted); CFC-Free overall polyurethane foaming insulation; CFC-Free refrigerant.

● 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 -40°C~-86°C, with an increment of 0.1°C

● Safety Control

Malfunction alarms: high temperature alarm, low temperature alarm, over temperature alarm system, set the alarm temperature as requirements; Two alarming methods: buzzer alarming and digital flashing alarming; Protection function: power-on delay, time between stops.

● Ergonomic Design

Safety door lock, preventing unauthorized access; Wide voltage design from 192V to 242V; Baskets is standard; Heavy type caster and locking adjustable screw, easy to move and fix.



Specifications:

Model	FSF-86L280	FSF-86L360	FSF-86L480	FSF-86L590	FSF-86L840	
Technical Data	Cabinet Type	Vertical	Vertical	Vertical	Vertical	
	Climate Class	N	N	N	N	
	Cooling Type	Direct cooling				
	Defrost Mode	Manual				
	Refrigerant	CFC-Free, Mixing				
Performance	Cooling performance(°C)	-86				
	Temperature Range(°C)	-40~-86				
Material	Interior Material	Galvanized steel powder coating				
	Exterior Material	Galvanized steel powder coating				
Power Supply(V/Hz)	220/50Hz/60Hz	220/50Hz/60Hz	220/50Hz/60Hz	220/50Hz/60Hz	220/50Hz/60Hz	
Inner door	180	240	320	400	600	
Power Supply(V/Hz)	2	2	2	2	2	
Dimensions	Capacity(L)	280L	360L	480L	590L	840L
	Net/Gross Weight (apprpx)	40/55(kg)	70/85(kg)	76/93(kg)	93/110(kg)	110/130(kg)
	Interior Dimensions(W*D*H)	440*450*1310mm	440*580*1310mm	600*580*1310mm	740*580*1310mm	880*730*1310mm
	Exterior Dimensions(W*D*H)	620*650*1920mm	620*780*1920mm	780*780*1920mm	920*780*1920mm	1060*952*1970mm
	Thickness of Cabinet Foamed Layer	Four walls and top with 90mm, bottom with 130mm				
Thickness of Door	90mm	90mm	90mm	90mm	90mm	
Controller Function	Display	Large digital display&adjusting keys				
	High/Low Temperature	Y	Y	Y	Y	Y
	Hot Condenser	Y	Y	Y	Y	Y
	Power Failure	Y	Y	Y	Y	Y
	Sensor Error	Y	Y	Y	Y	Y
	Low Battery	Y	Y	Y	Y	Y
	High AmbientTemp	Y	Y	Y	Y	Y
	Door Ajar	Y	Y	Y	Y	Y
Alarm mode	Sound and light alarm, remote alarm terminal					
Accessories	Caster	Y	Y	Y	Y	Y
	Foot	N/A	N/A	N/A	N/A	N/A
	Test Hole	N/A	N/A	N/A	N/A	N/A
	Baskets/Inner Doors	2/-	2/-	2/-	2/-	2/-
	Temperature Recorder	Optional	Optional	Optional	Optional	Optional
	Cryo racks	Optional	Optional	Optional	Optional	Optional