



-86°C **ULT Freezer**

1. Paskirtis

• Application

-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.

From individual laboratory users to ever-increasing sample storage needs, you can choose from ultra-low temperature storage solutions in multiple sizes.



2.1 Vertikalus

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• Features



• Temperature Control System

- **Microprocessor** control, Large LED display inner temperature clearly, and with easy viewing.
- The inner temperature can be adjustable at the range of **-40°C~-86°C**, with an increment of 0.1°C.
- Lock and password for protection to prevent arbitrary adjustment of operating parameters.
- Optional **7" color LCD touch screen display system**.

2.7 Temp. diapazonas

2.15.1 Ekranas

2.16 Valdymas



-86°C ULT Freezer



DW-86L100 DW-86L280 DW-86L360

2.21 Aliarmo sistema

• Safety protection measures

- Malfunction alarms: **high temperature alarm**, **low temperature alarm**, Sensor failure, **Power failure alarm**, 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.

• Refrigeration System

- Optimized cascade refrigeration technology, SECOP compressor to reach a refrigeration effect.
- Specially designed Heat Exchanger, heat transfer high efficient, save Energy.
- V.I.P insulation panels to ensure the insulation performance.
- CFC-Free overall polyurethane foaming insulation.
- High efficient hydrocarbon refrigerant.

• Ergonomic Design

- Safety door lock, preventing unauthorized access. Wide voltage design from 192V to 242V.
- Double inner doors to reduce the loss of cold after opening the door.
- Suitable for 2" and 3" international standard Cryo Boxes;- Pressure-balanced port design, easy to open the door.
- Heavy type caster and locking adjustable screw, easy to move and fix.
- Ultra-simple condenser filter design**, convenient for **maintenance** and washing.

2.17 Filtras

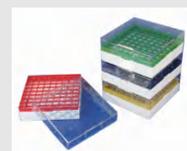
Model		DW-86L100	DW-86L280	DW-86L360
Performance	Cooling performance(°C)	-80		
	Temperature Range(°C)	-40~-86 2.6 Temp. diapazonas		
Rated Voltage (V/Hz)		220/50		
Material	Exterior Material	Galvanized steel powder coating		
	Interior Material	Galvanized steel powder coating		
	Insulation Material	PUF+VIP		
Technical Data	Climate Class	N		
	Cooling Type	Direct cooling		
	Defrost Mode	Manual		
	Refrigerant	HC mixed	HC mixed	R290/R170
Cabinet Type		Undercounter	Upright	Upright
Power (W)		460	520	850
Energy consumption (KW.H/24H)		5.5	9.5	12.2 2.10 Elektros sąnaudos
Accessories	Shelves (stainless steel)	1	3	3
	Caster	Yes		
	Test Hole	Yes		
	Temperature Recorder	Optional		
	Door locking device	2.3.3 Užraktas	Yes	2.3.1 Užraktas
	Handle	Yes		
	Pressure balance hole	Yes		
	Racks & Boxes	Optional		
Controller Functions	Display	7" Touch screen with USB port		
	Low/High temperature alarm	Yes		
	Condenser high temperature alarm	Yes		
	Power failure alarm	Yes		
	Sensor failure alarm	Yes		
	High room temperature alarm	Yes		
	Alarm mode	Sound and light alarm, remote alarm terminal		
	Thickness of Cabinet Foamed Layer	90mm 2.8 Izoliacija		
Inner Door Number		2 2.3.1 Vidinės durys		
Power Supply(V/Hz)		220/50		
Dimensions	Capacity for 2 inch boxes	60	180	240
	Capacity	96L	280L	360L 2.13 Kameros talpa
	Net/Gross Weight(approx)	92kg/107kg	190kg/213kg	230kg/261kg
	Interior Dimensions(D*W*H)	320x450x610mm	460x470x1310mm	460x600x1310mm
	Exterior Dimensions(D*W*H)	795x680x815mm	715x725x1980mm	715x855x1980mm
	Package Dimensions(D*W*H)	850x740x953mm	735x760x2190mm	735x890x2190mm
	Thickness of Door	70mm	90mm	90mm

2.11 Išoriniai matmenys

• Optional Accessories



Cryo Racks



Cryo Boxes



Co2/ LN backup device



Chart Temperature Recorder



Wireless Monitoring system