

Model: DW-86HW50-V2, Vertical Type**Effective Capacity: 50 Liter, Temp. range: -10°C ~ -86°C****DW-86HW50-V2**

The Ultra-low Temperature Freezer offers a wide variety of research and storage applications, such as low temperature scientific experiments, preservation of plasma, biomaterial, tunny, biological product, & testing low-temperature-resistant properties of military product. It is suitable for blood bank, hospitals, sanitation and anti-epidemic, sanitation, research institutes, electronic industries, university laboratories, military industries, pelagic fishery companies.

Control System:

- Microprocessor-based temperature controller, -10°C~-86°C can be set freely, lowest attainable temperature can be set as -86°C at ambient temperature 32°C controlling precision is 1°C, Digital temperature display.
- Keyboard lock and password protected configuration page, Delayed start and safe stop interval between restart and being terminated
- Audible and visual alarm: High or low temperature alarm, Power failure alarm, Low battery alarm, Door open alarm, high air temperature alarm, communication failure alarm.
- Power supply: 220V /50Hz 1 phase, can be changed as 220V 60HZ or 110V 60HZ.

Structure Design:

- Upright type, Stainless steel interior, Outer is painted steel panel, 4 units Casters for easy handling

- Front opening lockable door with full height handle, with Vacuum release port
- Two-times foaming technology. 130mm foaming insulation.
- Standard with USB port
- Optional: Temp printer, CO2 back up system, storage racks/boxes, RS485 remote contact.

Refrigeration System:

- Applied Secop (Danfoss) compressor, 1 unit to reduce noise & improve the cooling temperature come to -86°C stably.
- Fan electromotor with internationally famous of Germany EBM
- Certificate: ISO9001, ISO14001,ISO13485.(CE,ETL will be finished in 2019.5).



Model	DW-86HW50-V2
Capacity	50L
Storing temperature	-10°C ~ -86°C
Compressor qty	1
Compressor brand	(Secop) Danfoss brand, hermetic
Fan motor	EBM brand
Evaporator	D-form copper tube
shelves (adjustable)	1, made of 304 grade stainless steel
Temperature record	Built-in data logger USB data
Inner material of chamber	304 grade stainless steel
External material	SPCC steel with powder coating
Door Lock	1
Access test port	1 as standard, 2 or 3 is optional, diameter 25mm
Optional parts	CO2 back up system Inventory racks with 2" boxes RS485 port, Vacuum isolated panel
Alarm system	Visual & Audio High/low temperature alarm, power failure alarm, low battery alarm, Door ajar alarm, high air temperature alarm, communication failure alarm
Input Power	650W
Voltage & Frequency	220V,50Hz
Rated current	4.5 A
Power consumption	8 Kwh/24h
Pull down time	130 min
Refrigerant	CFC-free, mixture gas
Climatic	N
External size W×D×H (mm)	650x599x1069
Internal size W×D×H (mm)	430x305x425
Packing size W×D×H (mm)	740x670x1257
Gross/Net Weight (kg)	102/82