

MODEL: USDW-HL 100. -86 °C under-counter chest freezer



The USDW-HL100 is a 3.5 cu.ft ultra-low freezer that fits under the counter. This unit is designed for small offices and labs that only need a small amount of product or sample storage. Just like our larger units the USDW-HL100 is cost effective and extremely reliable.



Model:USDW-HL100	-86°C undercounter freezer USDW-HL100
Effective Capacity	3.5 cu ft
temp. range	-40°C~-86°C
Compressor qty	1
Compressor brand	Danfoss brand, hermetic
Fan motor	EBM
Evaporator	D-form copper tube
shelves(adjustable)	304 grade stainless steel
Temperature record	Micro-printer, print every 20 min.
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 1 1/2"
Optional parts :	CO2 back up system
	Chart recorder
	Inventory rackes with 2" boxes(6/63)
Internal illumination	N/A
Heater	N/A
Alarm system	Visual & Audio
	High/low temperature alarm, power failure alarm, low battery alarm,
	Door ajar alarm, filter blocking alarm, system failure alarm
Input Power	950W
Voltage&Frequency	110V,60hz
Rated current	10.9A
Refrigerant	CFC-free, mixture gas
Climatic	N
NW/GW(lbs)	265/309
External size(WDH)	42" x 37" x 32 1/2"
Internal size(WDH)	17 3/4" x 17 1/4" x 20 1/4"
Packing size:	42 1/2" x 32 1/2" x 39 1/16"

CONTROL SYSTEM:

- Microprocessor-based temperature controller, -40°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, Filter blocking alarm, system failure alarm.
- Power supply: 220V /50Hz 1 phase, can be changed as 220V 60HZ or 110V 50/60HZ.

STRUCTURE DESIGN:

- Upright type , Stainless steel interior, Outer is painted steel panel, 4units Casters for easy handing
- Front opening lockable door with full height handle, with Vacuum release port
- Adjustable 1 stainless steel shelves with 2 inner doors, double silicon gasket seal.
- Two-times foaming technology. 5 1/3" foaming insulation , with VIP+.
- Noise level as low as 48 DBA
- With temperature printer, record 7days data. 72 hour battery back up for printer and controller display and alarm system..
- Optional: Chart recorder, CO2 back up system and storage racks/boxes.

REFRIGERATION SYSTEM:

- Imported Danfoss compressor, 1 unit to reduce noise and improve the cooling temperature come to -86°C steady.
- Fan electromotor