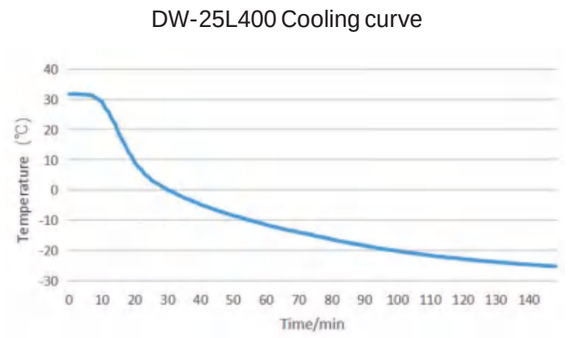
-25°C Biomedical Freezer

Efficient compressor with accurate temperature control

Designed to deliver reliable low-temperature freezing for the secure storage of plasma and other medical or biological specimens.



DW-25L300/400



Product Advantages

Precise Temperature control

Microprocessor controlled digital display with adjustable internal temperature range from -10°C to -25°C

Features

- High temperature alarm, low temperature alarm, sensor fault alarm
- Utilizes high-density, super-microcellular foaming insulation to ensure excellent thermal retention and minimize energy loss.

Refrigeration

High quality compressor, rapid refrigeration

User-Friendly design

- Door lock to prevent unauthorized access
- Wide operational voltage design
- Service port for convenient sensor access

Product Parameters

Model			DW-25L300	DW-25L400
Technical Data	Cabinet Type		Upright	Upright
	Climate Class		SN	SN
	Cooling Type		Direct Cooling	Direct Cooling
	Defrost Mode		Manual	Manual
	Refrigerant		R134a	R134a
	Sound Level (dBA)		42.5	42.3
Performance	Cooling Performance (°C)		-25	-25
	Temperature Range (°C)		-10~-25	-10~-25
Control	Controller		Microprocessor	Microprocessor
	Display		LCD	LCD
Electrical Data	Power Supply (V/Hz)		~220/50	~220/50
	Power (W)		265	330
	Electrical Current (A)		2.2	3.3
Dimensions	Capacity (L/Cu. Ft)		300/10.59	400/14.13
	Net/Gross Weight (approx)	(kg)	74/85	96/105
		(lbs)	163.1/187.4	211.6/231.5
	Interior Dimension (W×D×H)	(mm)	480×450×1618	645×528×1641
		(in)	18.9×17.7×63.7	25.4×20.8×64.6
	Exterior Dimension (W×D×H)	(mm)	600×625×1876	775×704×1900
		(in)	23.6×24.6×73.9	30.5×27.7×74.8
	Packing Dimension (W×D×H)	(mm)	665×715×1970	780×840×2008
		(in)	26.2×28.2×73.6	30.7×33.1×79.1
	20GP/40GP/40HQ		24/54/54	21/30/51
Functions	High/Low Temperature		Y	Y
	Sensor Error Alarm		Y	Y
Accessories	Storage Type		Drawers/6	Immersion basket/6
Others	Certifications		N	N
Operational Performance	Temperature Setting Mode		Digital (Accuracy ±1°C)	Digital (Accuracy ±1°C)
	Temperature Sensor		Thermistor Sensor	Thermistor Sensor
	Power Consumption (kWh/24h)		2.57	3.39
Material	Exterior Material		Pre-coated steel plate	Pre-coated steel plate
	Interior Material		Polystyrene plate	Polystyrene plate
	Insulation		Cyclopentane Foaming Agent	Cyclopentane Foaming Agent

-25°C Deep Freezer

Product Parameters

Model		DW-25L300	DW-25L400
Material	External Door/Quantity	Foam Door/1	Foam Door/1
	Sealing Strip/Quantity	Rubber Foam/1	Rubber Foam/1
	Padlock Latch	N	N
	Door Lock/Quantity	Y/1	Y/1
	Inner Door	N	N
Product Accessories	Shelves Material	Immersion basket drawer	Immersion basket
	Adjustable Shelves	N	N
	Shelves Quantity	6	6
	Storage Basket	Y	Y
	Drawers Material/Quantity	Immersion basket drawer/6	Immersion basket/6
	Compressor Type	GTH93AA	EMY3130Z
	Brand	Zanusi	Nidec
	Compressor Power	172	213
	Compressor Quantity	1	1
	Refrigerant Model	R134a	R134a
Function Parameters	Alarm System	Y	Y
	Temperature Alarm	N	N
	Filter Dirty Alarm	N	N
	Excess Voltage Alarm	N	N
	Boot Delay Protection	Y	Y
	Password Protection	Y	Y
Evaporator	Type	Wire tube evaporator	Wire tube evaporator
	Material	Galvanized pipe	Galvanized pipe
Condenser	Type (Forced Cooling)	Wire tube condenser	Wire tube condenser
	Material (Forced Cooling)	Galvanized pipe	Galvanized pipe
	External Fan	N	N
	Internal Temperature Uniformity	≤3	≤3
	Internal Temperature Accuracy	±1	±1
	Cooling Speed (Mins): From ambient 25°C to -25°C	≤180	≤180

Model		DW-25L300	DW-25L400
Others	Building Supply Rating (A)	10	10
	Power Lead Length (m)	1.8	1.8
	Heat Transfer (BTU/hr)	368	444
	Operating Temperature (°C)	10~32	10~32
	Compressor Capacity (W)	217	267
	Refrigerant Charge/Flammable	R134a/Flammable	R134a/Flammable
	Controller Position	Top	Top
	Reset overcurrent protector/ Power Switch	N	N
	Controller Type	Microprocessor	Microprocessor
	Setpoint Lock	N	N
	Controller Sensor	NTC	NTC
	Remote Alarm Terminals	N	N
	Adjustable High/Low Temp Alarms	Y	Y
	Auto Voltage Safeguard	N	N
	Door Thickness (mm)	58.6	58.6
	Cabinet Thickness (mm)	60	65
	Internal Fan Brand	N/A	N/A
	Casters	Feet/2/Wheels/2	Feet/2/Wheels/2
	Condenser Type	Steel wire-and-tube	Steel wire-and-tube
	Fan Brand	N/A	N/A
	Back Up Battery	N	N
	Temperature Uniformity (°C)	≤3	≤3
	Temperature Accuracy (°C)	1	1