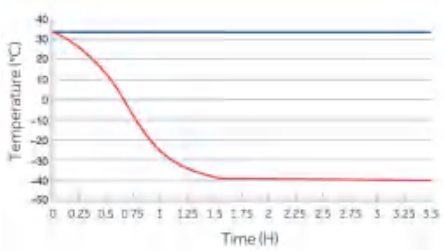
-40°C Biomedical Freezer

The MDF-40V328E/268E Medical Deep Freezer (328L) is widely used in hospitals, laboratories, and research institutions for the reliable storage of vaccines, blood plasma, and various biological materials. It is designed to meet the demanding requirements of life science, pharmaceutical, biotechnology, clinical, and electronics sectors, offering stable -40°C performance to ensure sample integrity and long-term preservation.

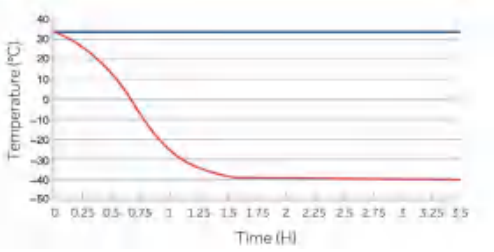


MDF-40V328E/268E

MDF-40V328E
Cooling Test at Ambient 32°C



MDF-40V268E
Cooling Test at Ambient 25°C



Ambient Temp.
Cooling Curve

Product Advantages

Rapid Cooling
Enhanced cooling performance

Coil Evaporator
Better temperature uniformity

Inner-door Design
5 individual inner doors

Universal Caster Wheels
Proven heavy-duty casters with locks

Lockable Doors
Standard locks with keys

High-quality Steel Materials
Antibacterial and corrosion resistant

Precise Temp. Control
Temp. control accurate to ±0.1°C

5 Types of Alarm
Audible and visual alarms

Adjustable Interior Space
Adjustable shelves

Eco-friendly
CFC-free refrigerant and energy-saving

-40°C Biomedical Freezer

Internal Structure



High-precision control system



High-precision probe



Magnetic block



Adjustable shelf



Inner door with
Built in handle



Heavy duty hinges



Lock & Key



Caster with locks



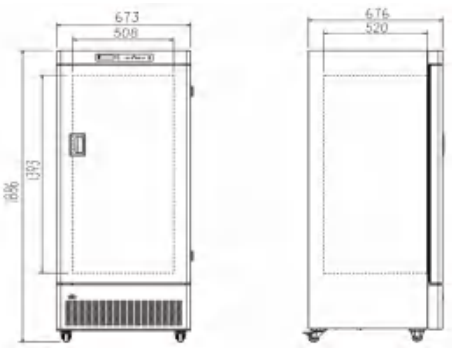
- Sensor error alarm
- High/low temp. alarm
- Power failure alarm
- Door ajar alarm
- Thermostat failure alarm





Coil evaporator cooling system keep the temperature within the chamber uniform
Individual inner doors give the cabinet better insulation, performance and convenience

Product Dimensions



MDF-40V328E

Product Parameters

Model		MDF-40V528	MDF-40V358	MDF-40V328E	MDF-40V268E	MDF-40V278W
Specifications	Shelf/Drawer/Quantity	Shelves/4 Drawers/18	Shelves/12 Drawers/??	Shelves/4	Shelves/3	Drawers/7
	Cooling Method	Direct cooling	Direct cooling	Direct cooling	Direct cooling	Direct cooling
	Defrost Mode	Manual	Manual	Manual	Manual	Manual
	Refrigerant Type	R290	R290	R290	R290	R290
	Refrigerant Mass (g)	Each Compartment: 86	Upper Compartment: 40 Lower Compartment: 50	78	52	49
	Power Consumption (kWh/24h)	7.81	6	6.5	5.2	5.2
	Noise (dBA)	55	49	48	48	50
	Ambient Temperature (°C)	10~32°C	10~32°C	10~32°C	10~32°C	10~32°C
	Temperature Range (°C)	-20°~-40°C	-20~-40°C	-20~-40°C	-20~-40°C	-20~40°C
Cooling System	Compressor Brand/QTY	CUBIGEL/2	CUBIGEL/2	CUBIGEL/1	CUBIGEL/1	CUBIGEL/1
	Condenser	Copper tube	Wire tube	Wire tube	Wire tube	Wire tube
	Sensor	NTC	NTC	NTC	NTC	NTC
	Temperature Controller	Microprocessor	Microprocessor	Microprocessor	Microprocessor	Microprocessor
	Display	Digital	Digital	Digital	Digital	Digital
Power	Voltage/frequency (V/Hz)	220/50Hz	220/50Hz	220/50Hz	220/50Hz	220/50Hz
	Power (W)	452	345	330	309	280
	Current (A)	3.2	3.2	1.54	1.5	1.48
Material & Build	Inside Material	Powder-Coated Steel	Powder-Coated Steel	Powder-Coated Steel	Powder-Coated Steel	Powder-Coated Steel
	Outside Material	Powder-Coated Steel	Powder-Coated Steel	Powder-Coated Steel	Powder-Coated Steel	Powder-Coated Steel
	Insulation	PUF	PUF	PUF	PUF	PUF
Dimensions	Capacity (L/cu.ft)	528/18.64	358/12.6	328/11.58	268/9.46	278/9.81
	NT./GT. (kg)	192/212	138/178	104/126	98.5/122	110/120
	Exterior Size (W×D×H)(mm)	900×818×1875	720×830×1870	673×676×1886	673×676×1630	659×600×1694
	Interior Size (W×D×H)(mm)	(651×631.5×635)×2	(466×636×625)×2	508×455×1393	508×455×1137	480×415×1460
	Package Size (W×D×H)(mm)	980×930×2020	920×790×1980	760×755×2000	755×750×1750	720×690×1820
	CBM	1.84	1.44	1.15	0.99	0.90
Alarm	20GP/40GP/40HQ	12/ 24/24	18/39/39	21/48 /48	21/45/45	24/54/54
	High/Low Temperature	Y	Y	Y	Y	Y
	Power Failure	Y	Y	Y	Y	N
	Sensor Error	Y	Y	Y	Y	Y
	Filter Check	N	N	N	N	N
	Temperature Controller Failure	Y	Y	Y	Y	Y
	Low Battery	Optional (Free)	Optional (Free)	N	N	N
	Condenser Clean	N	N	N	N	N
	High Ambient Temperature	Y	Y	N	N	N
	Door Ajar	Y	Y	Y	Y	Y
	Power Failure Alarm (For controller)	8h	8H	8h	8h	N
Accessories	Foot	Y	Y	N	N	N
	Castor	Y	Y	Y	Y	Y
	Inside Door	Drawers/18	Drawer/12	5	4	Drawer/7
	Test hole QTY/diameter	2/25MM	2/25MM	1/25MM	1/25MM	1/25MM
	USB Port	Y	Y	Optional	Optional	N
	Remote Alarm Port	Optional (Free)	Optional (Free)	Optional (Free)	Optional (Free)	N
Other	Certification	ISO 9001/13485/14001/45001 CE	ISO 9001/13485/14001/45009 CE	ISO 9001/13485/14001/45008 CE	ISO 9001/13485/14001/45006 CE	ISO 9001/13485/14001/45007 CE