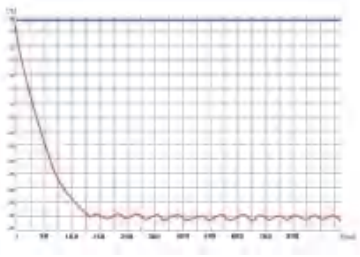
-40°C Biomedical Freezer

The MDF-40V528/358 medical-grade deep freezer is widely used in hospitals, blood banks, and laboratories for reliable low-temperature storage. It features 2 two independent compartments, two separate digital displays, dual control systems and has two individual compressors and refrigeration circuits. Each chamber' s temperature can be independently adjusted, ensuring optimal flexibility and preventing thermal interference between compartments.

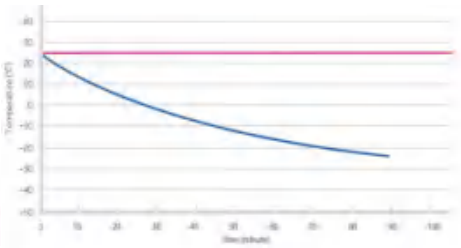


MDF-40V528/358

MDF-40V528
Cooling at ambient temp. 32°C



MDF-40V358
Cooling at ambient temp. 32°C



Cooling Curve
Ambient Temperature

Product Advantages

Reliable Brand Compressors
Dual refrigeration system with independent chambers for enhanced reliability

Rapid Cooling Performance
From +25°C to -40°C in just over 100 mins

Coil Evaporator
Delivers improved cooling performance with easy maintenance

USB Interface
10-years of data available for export

Secure Storage
Standard locks & padlocks

Large LED Display
User-friendly interface with built-in USB for easy operation

Precise Temperature Control
Accurate to ±0.1°C

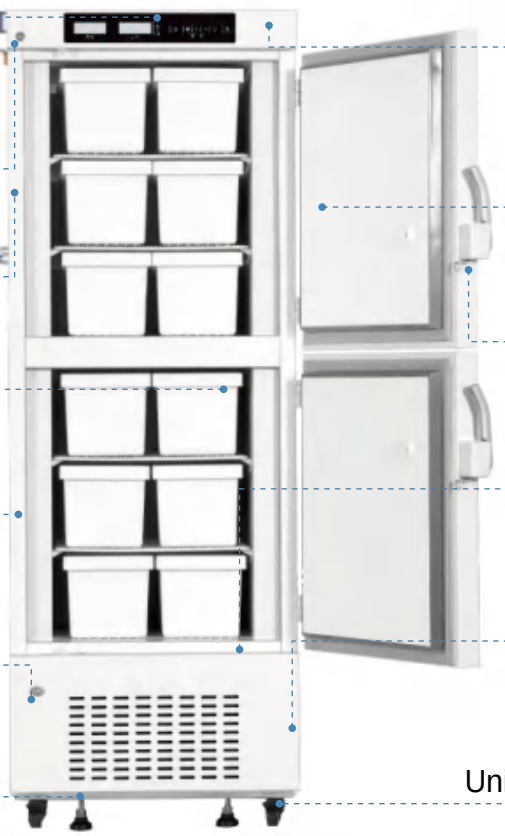
6 Types of Alarm
Audible and visual alarms

Adjustable interior Space
Adjustable shelves and drawers

Eco-friendly
CFC-free refrigerant and energy-saving

-40°C Biomedical Freezer

Internal Structure



Individual for each

Key & lock

Ergonomic

Drawer design

Padlock

Lock & Key

Leveling feet

rol system for each chamber

PUF foam doors

pressure valve assisted handle

Easy-to-clean filter

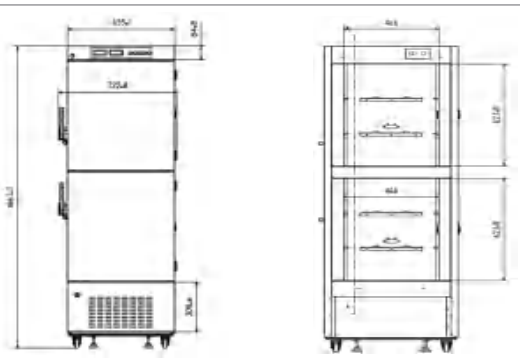
Universal castor wheels



Built-in USB port

Service ports

Product Dimensions



MDF-40V358

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