

Be your expert in low-temperature protection solutions



2~8 degree refrigerator

Widely used in hospitals pharmacy stores and laboratories. For preserving storage such as drugs, vaccines, enzymes hormones, stem cells, extracted RNA and gene libraries and important biological and chemical reagents.



Blood bank refrigerator

An essential piece of equipment in the immunohematology department and provides safe storage of whole blood, blood components and reagents.



-20/-40/-60 freezer

Biomedical Deep Freezers are widely used in hospitals and laboratories. Designed to store vaccines, blood plasma and many other biological materials.



Horizontal freezer

Top loading with various volume, 60 liter~600 liter for your choice.



Professional Solution Provider of Laboratory/Pharma Equipment

- | | | |
|--------------------------------|--------------------------|------------------|
| Water Purification System | Biofermentation Solution | Glassware Washer |
| Freeze Dryer/Lyophilizer | Shaking Incubator/Shaker | Autoclave |
| Biosafety Cabinet/Laminar Flow | Cold Storage Solution | Climate Chamber |



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Dual cooling
ULT Freezer



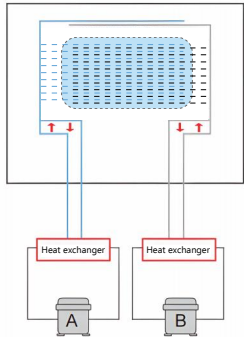
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MF-86V838TDV MF-86V128V+MF-86V75V MF-86V75V

This product is designed for use in various sectors, including clinical, pharmaceutical, scientific research, and quarantine departments, for the preservation of items under low temperatures. Additionally, it is suitable for blood stations, hospitals, disease control and prevention centers, scientific research institutions, electronic chemical engineering labs, biomedical engineering research facilities, ocean fishing companies, and more, for the preservation of red blood cells, white blood cells, viruses, bacteria, skin, skeletons, semen, biological products, electronic devices, and specialized materials at low temperatures.

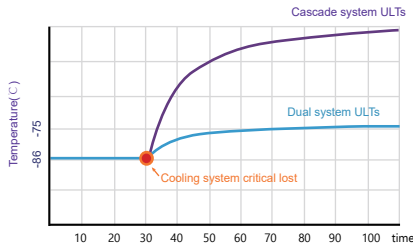
Product Highlights



Dual Cooling System

Dual cooling system can permit refrigeration and compressor systems to work together to maintain set point temperature of -86 °C and secondary temperatures of at least -75 °C in case of a service event.

(Single auto cascade system :MF-86V75V MF-86V128V)



Variable Speed Compressor

Variable speed compressor ensures minimal temperature fluctuations for extremely stable uniformity, and it is energy-efficient which can extend the lifespan of the freezer.



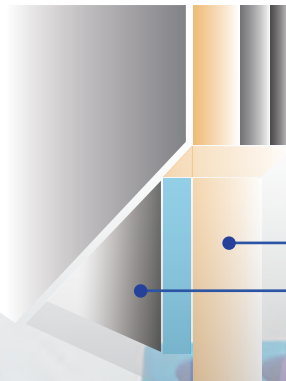
User Friendly Touch Screen

10' High sensitivity touch screen for users to easily adjust various settings of the freezer to meet personalized usage needs and improve the user experience.



Refrigerator Door Defrosting System

The duct transfers the waste heat generated by the compressor's exhaust to the cabinet shell, raising the surface temperature of the door frame area above the ambient dew point. When moist air comes into contact with the door frame, it does not condense into water droplets.



Superior insulation performance

Adopts VIP panel to maintain good insulation performance and ensure the maximum available storage capacity. Insulation Material is Polyurethane+LBA.

Polyurethane+LBA
VIP panel

Model	MF-86V590TDV
Style	Free standing
Ambient temperature	+5 to +32
Temperature range (°C)	-40 ~ -86
Cooling Type	Direct cooling, Manual defrost
Refrigerant	Hydrocarbon gas(R600a/R1150/R50)
Uniformity	3 (set at -80 °C)
Noise Level (dB(A))	48
Capacity (Cu.Ft/L)	20.84ft³(590L)
Entrance Dimensions (mm)	890
Outer Dimensions.WxDxH mm (including handle)	1035x842x1980mm
Inner Dimensions.WxDxH mm	765x590x1310mm
Net Weight/Gross Weight (kg)	275/330
Contoller/Display	7' Touch screen, microcomputer controller with Pt100 sensor,display accuracy 0.1
Controller Security	Configuration setting need password
Qty. Of Compressor	2
Cooling system	Dual cooling system -86(Ambient temperature 32°C, humidity 60%, no load)
Qty. of shelves	3
Qty of apartment	4
Qty. of inner door	2
Caster/Foot	Lockable caster
Heated Vaccum Release	YES
Remote Dry Contact	YES
RS485/USB/Access Port	YES/YES/YES (2 access port Ø25mm)
Balance valve	YES
Interior Material	Stainless steel
External Material	Powder coated galvanized sheet
Inner Door Material	Powder coated galvanized sheet
Insulation	Polyurethane+ Vacuum insulation panel
Insulation Thinkness (mm)	90
High/Low Temperature Alarm	YES
Condenser Dirty Alarm	YES
Power Failure Alarm	YES
Sensor Error Alarm	YES
Low Battery Alarm	YES
Ambient Temperature Alarm	YES
Door Ajar Alarm	YES
Power Consumption (kW.h/24h)	6.85kW.h/24h (Ambient 25 °C, Setpoint -80°C, No Load)
Rated Current (A)	115V 10A 220V 5A
Power(W)	1100
Power Supply (V/Hz)	115V 60Hz 220~240V 50/60Hz
Type Of Cryobox	2" vial, 10x10
Type Of Cryorack	5x4
Rack Per Shelf	5
Qty. Of Rack	20
Qty. Of Box	400
Qty. Of Vials (2ml)	40000
Certifications	CE/ETL
Outside Door	180° open to pass through door easily
Package Material	Plywood pallet+ Carton box

* INNOVA reserves the right to renew models or specifications without prior notice.
* Optional electronic door lock with security code.