

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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Smart Dual Cooling ULT Freezer



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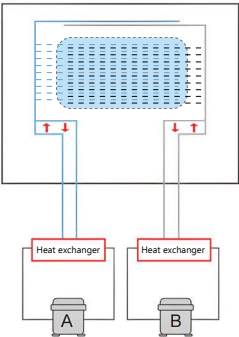
MF-86V838TVB
Capacity: 835L

MF-86V128V+MF-86V75V
Capacity: 128L+75L

MF-86V100V
Capacity: 100L

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.

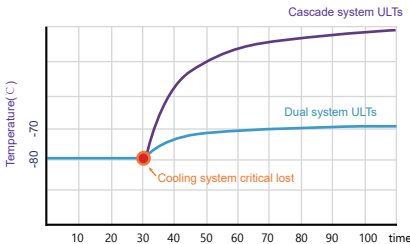
Product Highlights



Dual Cooling System

Dual cooling system can permit refrigeration and compressor systems to work together to maintain set point temperature of -86℃ and secondary temperatures of at least -70℃ in case of a service event.

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



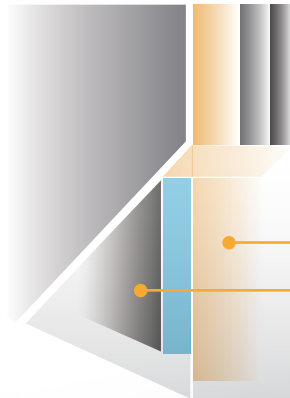
Variable Speed Compressor

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

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



Superior insulation performance

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



| Model | MF-86V75V | MF-86V128V | MF-86V428TDV | MF-86V568TDV | MF-86V728TDV | MF-86V838TDV |
|--------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| Style | Tabletop/Undercounter | Undercounter | Free standing | Free standing | Free standing | Free standing |
| Climate Class | N | N | N | N | N | N |
| Temperature range (℃) | -40 ~ -86 | -40 ~ -86 | -40 ~ -86 | -40 ~ -86 | -40 ~ -86 | -40 ~ -86 |
| Capacity (L/Cu.Ft) | 75/2.78 | 128/4.74 | 428/15.85 | 565/20.92 | 721/26.7 | 835/30.92 |
| Cooling Type | Direct cooling | Direct cooling | Direct cooling | Direct cooling | Direct cooling | Direct cooling |
| Refrigerant | HC gas | HC gas | HC gas | HC gas | HC gas | HC gas |
| Outer Dimension (WxDxH mm) | 860x680x550 (including handle) | 860x680x818 (including handle) | 710x995x1980 | 860x995x1980 | 1025x995x1980 | 1145x995x1980 |
| Inner Dimension (WxDxH mm) | 440x460x364 | 440x460x630 | 450x720x1310 | 600x720x1310 | 765x720x1310 | 885x720x1310 |
| Variable Speed Compressor | YES | YES | YES | YES | YES | YES |
| Qty.Of Compressor | 1 | 1 | 2 | 2 | 2 | 2 |
| Touch Screen | NO | NO | YES | YES | YES | YES |
| Display | LED | LED | LCD | LCD | LCD | LCD |
| VIP panel | YES | YES | YES | YES | YES | YES |
| Qty. Of Shelves | 0 | 1 | 3 | 3 | 3 | 3 |
| Qty. Of Inner Door | 1 | 2 | 4 | 4 | 4 | 4 |
| Caster/Foot | Foot | Foot | Lockable caster | Lockable caster | Lockable caster | Lockable caster |
| Access Port | 1 | 1 | 2 | 2 | 2 | 2 |
| Heated Pressure Balance Port | NO | NO | YES | YES | YES | YES |
| Remote Alarm | YES | YES | YES | YES | YES | YES |
| RS232/485 (Optional) | YES | YES | YES | YES | YES | YES |
| USB | YES | YES | YES | YES | YES | YES |
| Material Inner Cabinet | Stainless steel | Stainless steel | Stainless steel | Stainless steel | Stainless steel | Stainless steel |
| Material Outer Cabinet | Powder coated galvanized sheet | Powder coated galvanized sheet | Powder coated galvanized sheet | Powder coated galvanized sheet | Powder coated galvanized sheet | Powder coated galvanized sheet |
| Material Of Inner Door | Stainless steel | Stainless steel | Stainless steel+PS | Stainless steel+PS | Stainless steel+PS | Stainless steel+PS |
| Thickness Of Insulation (mm) | 80 | 80 | 90 | 90 | 90 | 90 |
| Insulation Material | Polyurethane+LBA | Polyurethane+LBA | Polyurethane+LBA | Polyurethane+LBA | Polyurethane+LBA | Polyurethane+LBA |
| High/Low Temperature Alarm | YES | YES | YES | YES | YES | YES |
| Hot Condenser Alarm | YES | YES | YES | YES | YES | YES |
| Power Failure Alarm | YES | YES | YES | YES | YES | YES |
| Sensor Error Alarm | YES | YES | YES | YES | YES | YES |
| Low Battery Alarm | YES | YES | YES | YES | YES | YES |
| High Ambient Temperature Alarm | YES | YES | YES | YES | YES | YES |
| Door Ajar Alarm | YES | YES | YES | YES | YES | YES |
| Start-up Delay | YES | YES | YES | YES | YES | YES |
| Power Supply (V/Hz) | 115~/60; 220-240/60; 220-240/50; | 115~/60; 220-240/60; 220-240/50; | 115~/60; 220-240/60; 220-240/50; | 115~/60; 220-240/60; 220-240/50; | 115~/60; 220-240/60; 220-240/50; | 115~/60; 220-240/60; 220-240/50; |
| Type Of Cryorack | 5x3 | 5x3 | 5x5 | 5x5 | 5x5 | 5x5 |
| Qty. Of Rack Per Shelf | 3 | 3 | 3 | 4 | 5 | 6 |
| Total Qty. Of Vials (2ml) | 4500 | 9000 | 30000 | 40000 | 50000 | 60000 |

* INNOVA reserves the right to renew models or specifications without prior notice.