

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





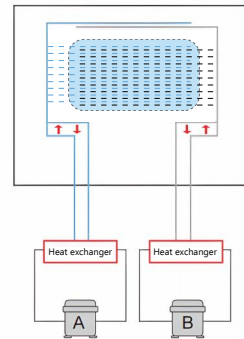
MF-86V728DV

MF-86V128V

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.

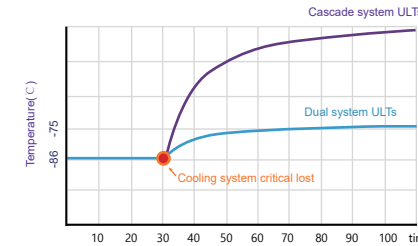
Product Highlights



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)



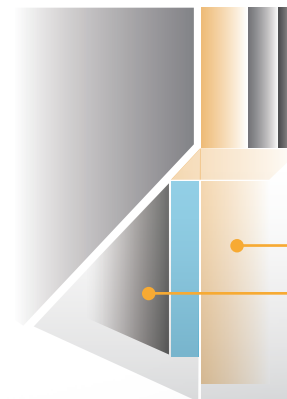
Variable Speed Compressor

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



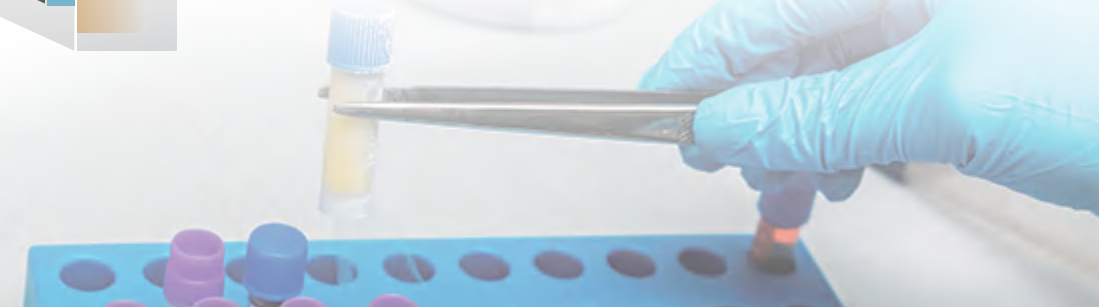
High-definition LED display

High-definition LED display, visible in far distance. Various alerts: high/low temperature, power failure, door ajar, condenser dirty etc. Rs232/485 is standard configuration. Password for protection.



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-86V428DV	MF-86V568DV	MF-86V728DV	MF-86V838DV
Style	Tabletop/Undercounter	Undercounter	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))	47	47	48	48	50	50
Capacity (Cu.Ft/L)	2.65ft ³ (75L)	4.52ft ³ (128L)	15.11ft ³ (428L)	19.99ft ³ (566L)	25.46ft ³ (721L)	29.49ft ³ (835L)
Outer Dimensions.WxDxH mm (including handle)	860x678x550	860x678x818	720x950x1980	870x950x1980	1035x950x1980	1145x995x1980
Inner Dimensions.WxDxH mm	440x460x364	440x460x630	450x720x1310	600x720x1310	765x720x1310	885x720x1310
Net Weight/ Gross Weight (kg)	82/100	103/132	220/266	255/306	294/350	325/385
Contoller/Display	Microcomputer controller with Pt100 sensor, LED display accuracy 0.1					
Controller Security	Screen lock with password					
Qty. Of Compressor	1		2			
Cooling system	Auto cascade		Dual cooling system			
Qty. of shelves	NA	1	3	3	3	3
Qty of apartment	1	2	4	4	4	4
Qty. of inner door	1	2	2	2	2	2
Caster/Foot	Foot	Foot, 2 wheels	Lockable caster			
Heated Vaccum Release	YES					
Remote Dry Contact	YES					
RS485/USB/Access Port	YES					
Interior Material	Stainless steel					
External Material	Powder coated galvanized sheet					
Inner Door Material	Powder coated galvanized sheet					
Insulation	Polyurethane+LBA+ VIP panel					
Insulation Thickness (mm)	80		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)	4.55	4.95	6.95	7.95	8.86	9.80
Rated Current (A)	115V-60Hz(5A) 220V-50/60Hz(3.0A)	115V-60Hz(5A) 220V-50/60Hz(3.0A)	115V-60Hz(13A) 220V-50/60Hz(7.0A)	115V-60Hz(13A) 220V-50/60Hz(7.0A)	115V-60Hz(13A) 220V-50/60Hz(7.5A)	115V-60Hz(14A) 220V-50/60Hz(7.5A)
Power(W)	450	550	900	900	1000	1200
Power Supply (V/Hz)	115~/60, 220-240/50/60					
Type Of Cryobox	2' cryobox 10X10					
Type Of Cryorack	5x3	5x3	5x5	5x5	5x5	5x5
Rack Per Shelf	3	3	3	4	5	6
Qty. Of Rack	3	6	12	16	20	24
Qty. Of Box	45	90	300	400	500	600
Qty. Of Vials (2ml)	4500	9000	30000	40000	50000	60000
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.