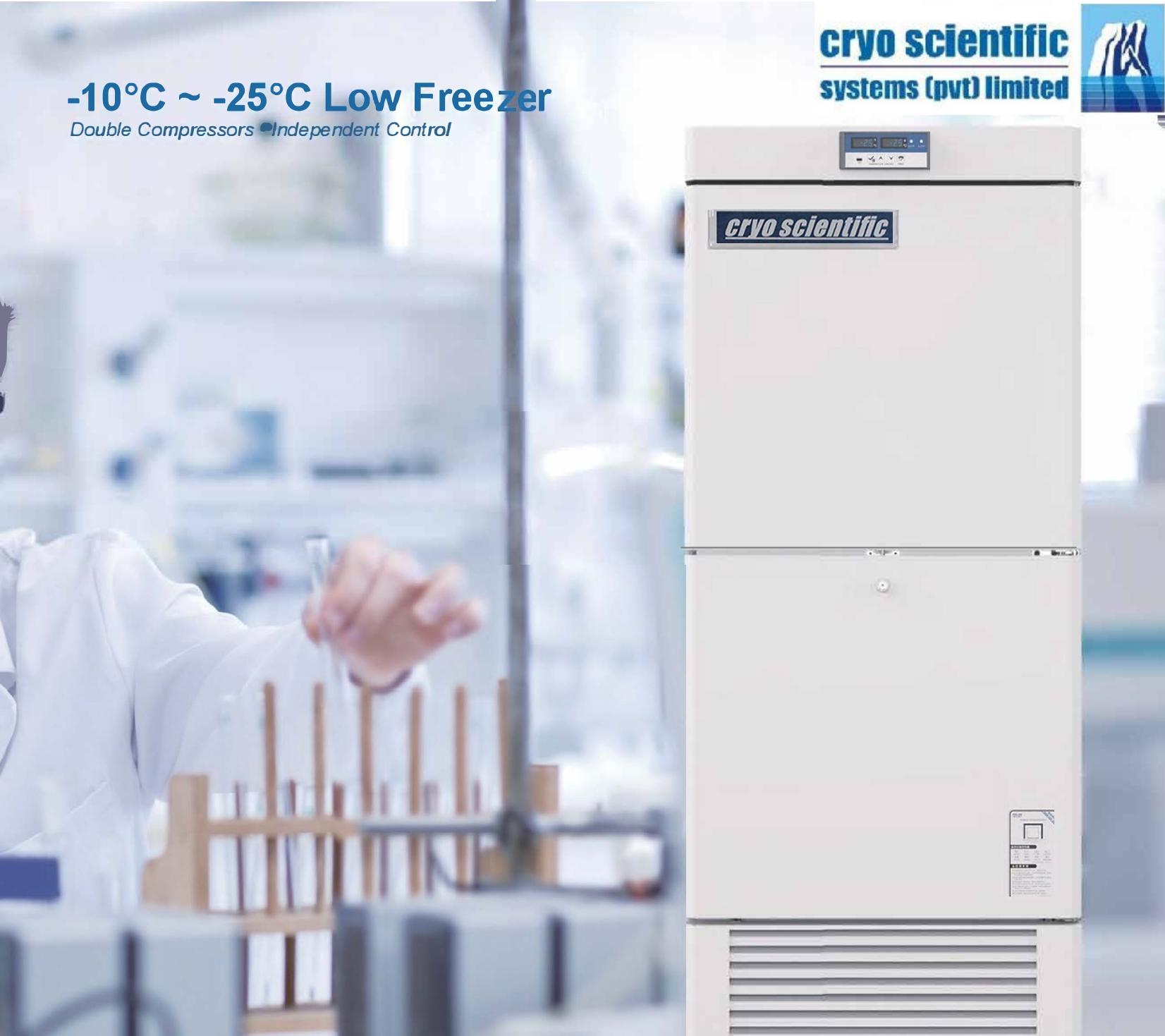


-10°C ~ -25°C Low Freezer

Double Compressors • Independent Control

cryo scientific
systems (pvt) limited



URC-V-450-1 (Dual System)



Refrigeration System

Environmentally friendly CFC-free eco-friendly refrigerant and high-efficiency hermetically sealed compressors from reputed brand ensure energy saving and low noise performance

Air-cooled condensers at the bottom ensure temperature stability and system reliability

Temperature Control

High-precision Microprocessor temperature control ensures adjustable temperature within a range from -10°C to -25°C.

Security System

Well-developed audible & visual alarm system (sensor failure alarm, high temperature/low temperature alarm, etc.) makes it safer for storage of temperature sensitive samples.

The turn-on delay and stopping interval protection function can ensure reliability in running

Human-oriented

Built-in door gasket is dust proof, easy to clean and minimizes loss of cooling energy





High-precision Temperature Control

- Digital temperature display indicates operating status clearly
- High-precision Microprocessor temperature control system enables users to set the temperature inside the cabinet within a range from -10°C to -25°C.



Temperature Data Storage

- Standard with USB interface, minimum storage interval is 1 minute. It can record 100,000 sets of data, old records after recording of 100,000 sets of old data are automatically overwritten.



Refrigeration System

- Environmentally friendly CFC-free eco-friendly refrigerant and high-efficiency hermetically sealed compressor from reputed brand ensures energy saving and low noise performance
- Air-cooled condenser at the bottom ensures temperature stability and system reliability
- CFC-free polyurethane foam technology and thicker insulating layer improves thermal insulation



Alarm system

- Well-developed audible & visual alarm system makes it safer for storage.
- Alarm functions include high/low temperature alarm, sensor failure alarm, power failure alarm, low battery alarm, door ajar alarm, recorder failure etc
- The turn-on delay and stopping interval protection function ensures reliability in running
- Door is equipped with a lock and key, improving security of sample storage



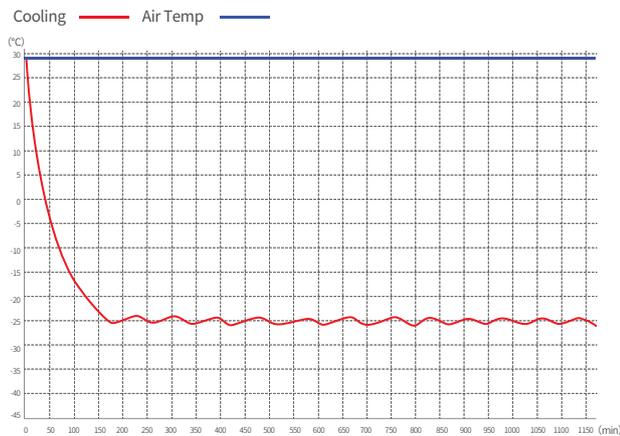
Human-oriented

- The arc angle-shaped door frame and cabinet design makes its appearance more attractive
- Built-in door gasket is dust proof, easy to clean and minimizes loss of cooling energy.
- Both the freezing chambers are equipped with 6 drawers each (12 drawers total), convenient for storage of samples.

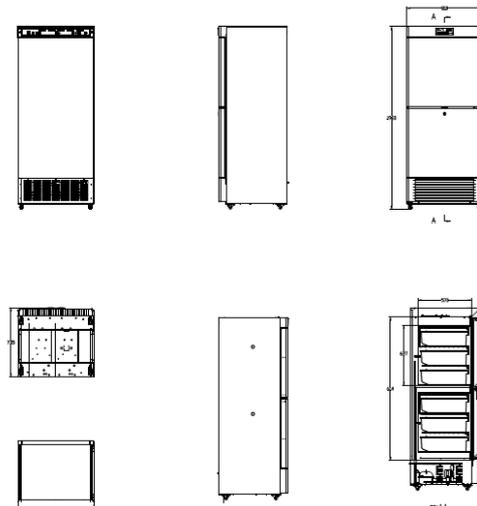
Scope of Application

Suitable for storage of temperature sensitive samples such as blood plasma, reagent and biological specimen, use in hospitals, clinics, health and disease prevention systems, blood banks, laboratories in colleges & universities, frozen food industry and catering industry, etc.

Performance Data / Cooling Curve



External Dimension



Specification Chart

-25°C LOW FREEZER	
Model	URC-V-450-1
Cabinet Type	Upright
Capacity(L)	450
Internal Size(W*D*H) mm	(650*570*627) ·2
External Size(W*D*H) mm	810*735*1960
Package Size(W*D*H) mm	895*820*2135
NW/GW(Kgs)	136/165
Performance	
Temperature Range	-10°C ~ -25°C
Ambient Temperature	+16°C ~ +32°C
Cooling Performance	Upto -25°C
Climate Class	N
Controller	Microprocessor
Display	3 ½ digit LED display
Refrigeration	
Compressor	2 Nos of hermetically sealed
Cooling Method	Direct cooling
Defrost Mode	Manual
Refrigerant	R600a
Insulation Thickness(mm)	80
Construction	
External Material	PCM
Inner Material	Sprayed aluminum plate
Drawers	12 (ABS)
Door Lock with Key	Yes
Door	2
Access Port	2pcs. Ø 25 mm
Casters	4 (2 casters with brakes)
Data Logging/Interval/Memory capacity	USB/Record every 10 minutes/100,000 data
Backup Battery	Yes
Alarm	
Temperature	High/Low temperature, High ambient temperature
Electrical	Power failure, Low battery
System	Sensor failure, Built-in USB data logger failure, Door ajar, Main board communication error
Electrical	
Power Supply (V/Hz)	220-240~ /50
Power (W)	206
Power Consumption (KWh/24h)	2.24
Rated Current (A)	1.9
Accessories	
Standard	Provided RS485 and Remote alarm contact

