

Medical ULT freezer

MDF-U581VH/U781VH/U881VH

HC refrigerant cooling system

- HC refrigerant, environmentally friendly
- Reduced refrigerant, high-efficiency
- Energy-saving, energy consumption is reduced by more than 30%
- Improved performance, **pull-down** speed is improved by more than 20%



Application

Designed for storage of biomacromolecules, cells, tissues, organs, etc.

(Human organ tissues, whole blood, blood plasma, serum, body fluid or processed samples (DNA, RNA, protein, etc.))



10inch smart touch panel

- Real-time display of running status and real-time monitoring of key parameters
- History data is viewable, data is exportable through USB port
- User access management, card-swiping unlock
- Real-time record of alarm information and history operations, running status is traceable and sample safety can be guaranteed



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Product features



Panasonic patented U-Vacua vacuum insulation panel

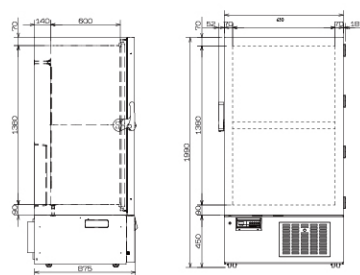


· Because of the VIP vacuum insulation foaming technology, warm-keeping performance is 13 times as high as that of traditional polyurethane (PU) foamed materials; thermal conductivity is < 0.0018W/mK; thickness of foamed wall is decreased to 70mm; storage space and storage capacity are improved by more than 20% and 25% respectively

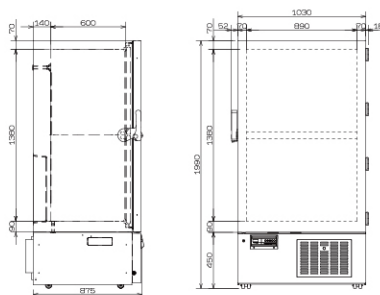
· Freon-free HC refrigerant, environmentally friendly; pull-down speed (compared with traditional refrigerants) and energy consumption are improved by more than 20% and 30% respectively, meeting national standards, safe and reliable

· Except for key lock and padlock, standard smart code lock plus optional fingerprint lock can realize remote unlock and card-swiping unlock; available role presetting in the system gives equipment administrator and sample operator different access; ergonomic latch provides more user-friendliness

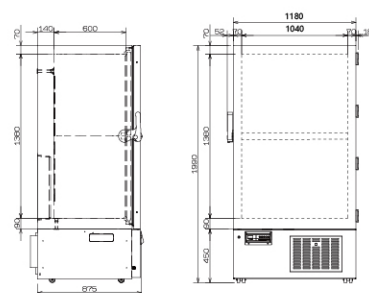
I MDF-U581VH external dimensions (mm)



II MDF-U781VH external dimensions (mm)



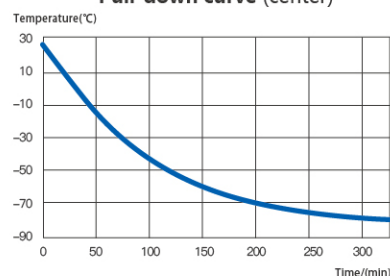
III MDF-U881VH external dimensions (mm)



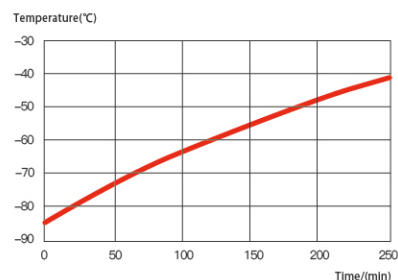
Technical parameters

Model	MDF-U581VH	MDF-U781VH	MDF-U881VH
Temperature range	-50~-86°C (division value: 0.1°C, AT: 10~30°C)		
External dimensions	W770×D875×H1990mm	W1030×D875×H1990mm	W1180×D875×H1990mm
Internal dimensions	W630×D600×H1380mm	W890×D600×H1380mm	W1040×D600×H1380mm
Total effective capacity	521 L	736 L	861 L
Power	870W	900W	920W
Net weight	295kg	329kg	370kg
Interior/Exterior	Electrogalvanized steel sheet, coated with polyester resin powder		
Outer door	Electrogalvanized steel sheet, coated with polyester resin powder		
Inner door	ABS resin plate with stainless steel frame (×2)		
Shelf	Height-adjustable stainless steel shelf (×3)		
Access port	Diameter: 17mm (rear+left bottom)		
Insulation	Rigid foamed polyurethane+vacuum insulation panel (VIP)		
Compressor	Full-closed		
Evaporator	Coil tube		
Refrigerant	HC refrigerant		
Controller	Microprocessor		
Temperature sensor	Platinum thermistor (Pt1 000)		
Alarm	High/low temperature alarm, sensor abnormality alarm, power failure alarm, condenser sensor high temperature alarm, remote alarm, etc.		
Accessory	Key (1 set), HSS shelf (3), defrost shovel (1)		
Power supply	Single phase: 220V~50Hz		
Electric shock protection type	I		
Optional	Rack, CO ₂ back-up		
Cryo-tube capacity (2ml)	35200	52800	61600

MDF-U781VH Pull-down curve (center)



MDF-U781VH Pull-up curve (center)



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Technical parameters and specifications are for reference not order basis.
Information mentioned is subject to change(s) without prior notice.
Please in kind prevail.