

Medical ULT freezer

MDF-U692VX/U792VX



Dual cooling system provides stable -90°C circulation, and single system can reach a minimum of -80°C

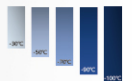
Dual cooling system

- Brand-new ULT freezer is dedicated for bio-bank. Equipped dual cooling system plus origin import compressor realizes -90°C in case of dual system and -80°C in case of single system



Self-cascade/mixed refrigerant -90°C——new industry record

- 90°C can guarantee the biological activity of items stored at high-temp positions
- 90°C can improve low-concentration RNA integrity in case of long-term preservation



SAMPLE



SETTING



DIAGNOSE



RECORD



CLOUD



SMART GUARD

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.))



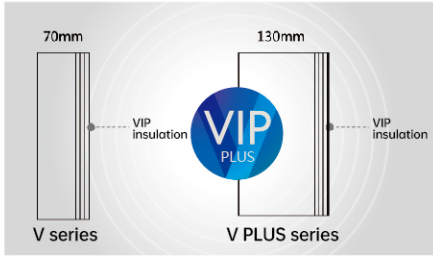
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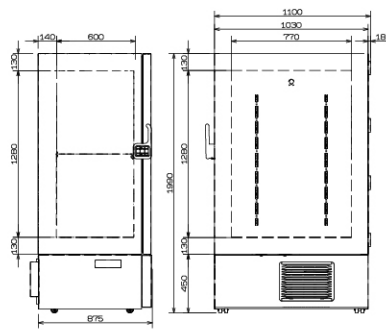
Product features



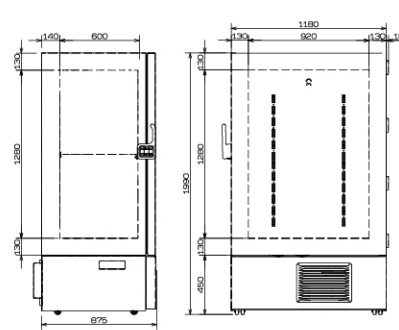
Insulation space of VIP PLUS is 1.9 times as big as that of V series; warm-keeping performance is 25 times and 13 times as high as that of glass wool and traditional polyurethane (PU) foamed materials; because of VIP PLUS, VX series' pull-down and warm-keeping performance are improved by 35% and 20% respectively

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, providing more user-friendliness

MDF-U692VX external dimensions (mm)



MDF-U792VX external dimensions (mm)

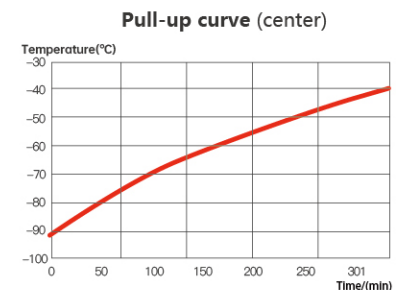
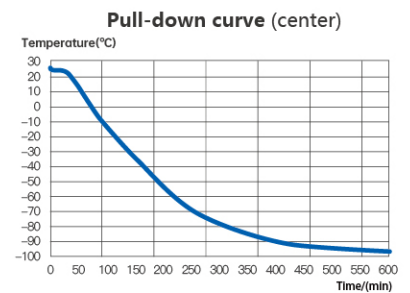


- Finless condenser, cleaning-free
- Guaranteed sample safety in case of long-term preservation: cooling system is equipped with dried filter and expansion tank, which ensures the normal operation of cooling system even in extremely high-temp environment
- Controller has delay start function, enabling off-peak start for 0~30min, which significantly reduces the load on electric circuit from simultaneous start-up

Technical parameters

Model	MDF-U692VX	MDF-U792VX
Temperature range	-50~-90°C (division value: 0.1°C, AT: 10~30°C)	
External dimensions	W1030×D875×H1990mm	W1180×D875×H1990mm
Internal dimensions	W770×D600×H1280mm	W920×D600×H1280mm
Total effective capacity	603L	706L
Power	1374W	1477W
Net weight	310kg	345kg
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	Mixed refrigerant	
Condenser	Finless copper tube	
Temperature control	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), defrost shovel (1)	
Power supply	Single phase: 220V~50Hz	
Electric shock protection type	I	
Optional	Rack, CO ₂ back-up	
Cryo-tube capacity (2ml)	40000	48000

Performance data



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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.