

Temperature range: -50~-90°C

Application scope: For storage of biological macromolecules, cells, tissues and organs, etc. (human organs and tissues, whole blood, plasma, serum, biological fluids or processed biological samples DNA, RNA, proteins, etc.)



MDF-U392VHI



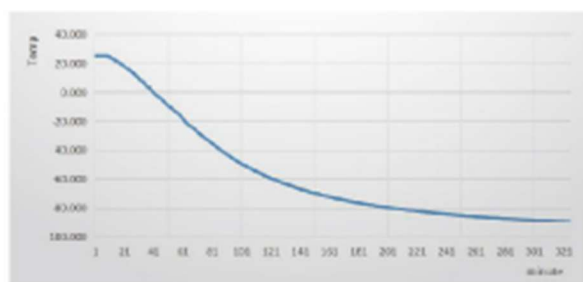
Inverter compressor + VIP insulation design

Provide rapid and stable low-temperature storage environment



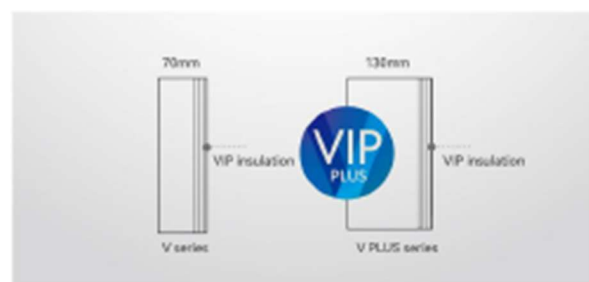
Stable Temperature Control

- Inverter compressor and advanced refrigeration technology to keep the chamber temperature more stable, with temperature uniformity $\pm 0.1^{\circ}\text{C}$, providing a safe and stable storage environment for samples and guaranteeing the safety of samples.



Vacuum Heat Insulation Technology

- Adopting the optimized U-Vacua vacuum thermal insulation material and foamed polyurethane insulation layer design; the overall insulation effect reaches a new height and the insulation performance is increased by 20%.



Safety Design

- Equipped with standard expansion vessel to absorb the system pressure, maintain normal operation of compressor and keep samples safe when the refrigeration system experiences a high pressure due to high ambient temperature and other reasons;
 - Password protection for core parameters to avoid unnecessary losses due to mal-operation.
- Note: Door handle dimension is not included in the external dimension.



Energy Conservation and Environmental Protection

- Using hydrocarbon refrigerant, completely fluorine-free and environmentally friendly.
- Power consumption is as low as 10kW-h/24h.
- The filling amount of refrigerant is greatly reduced, lower than the national standard 150g, which is safe and reliable.

Product Name	Model	Temperature range (°C)	External dimensions (mm)	Internal dimensions (mm)	Power max (W)	Capacity (L)	Net weight (kg)
ULT Freezer	MDF-U392VHI	-50~-90	750×875×1850	490×600×1140	1080	330	258