



Ultra Low Temperature Freezer

ULT SERIES

ULT Freezer – Maximum protection for samples that matter.

When it comes to ultra-low temperature storage, one factor is paramount: the reliable protection of your samples over extended periods of time. The Memmert ULT freezer has been developed specifically for this purpose. It combines consistent, precise temperature control with integrated safety features and energy-optimised design for continuous operation, to prevent degradation of DNA, RNA & proteins in life sciences.

- Key application in
- Stem cell research
- CAR-T cell therapy
- Cancer research

The ULT freezer combined with ICO Next Gen, covers the entire life journey of the biological sample, sample preservation at -50° C up to -86° C, experimental process followed by restorage.

Standard Equipment

Interior : Stainless steel

Housing : Textured Stainless steel

Door : Insulated S.S outer doors with mechanical lock

Connection : Mains cable with plug (German Type) CEE plug for 230V

Installation : 4 feet, mounted on castors

Interfaces : Ethernet LAN / USB

Key Features

- 01** Stainless steel interior and exterior
- 02** Insulated outer door
- 03** Remote monitoring
- 04** Direct cooling system
- 05** Battery backup
- 06** Natural Refrigerants, First stage R290/ Second stage R170
- 07** Door open detection
- 08** Inverter- controlled Compressors



ULT Freezer (244 to 966 Liters)

Model sizes / Description		240	360	500	750	1000
Stainless steel interior	Volume l	244	360	506	750	966
	Width (A) mm	450		600	890	1035
	Height (B) mm	1111	1276	1345		1276
	Depth (C) mm	489	627			732
	Maximum load per tray kg	140	160	180	200	220
	Max. loading of chamber kg	280	320	360	400	440
Textured stainless steel exterior	Width (D) mm	700		850	1140	1285
	Height (E) mm	1832	1992	2000		1992
	Depth (F) mm	738	888			973
	Door handle dimensions mm	52				
Temperature	Setting temperature range ° C	-50 to - 86				
	Setting accuracy ° C	0.1				
Packing data	Net weight kg	245	285	343	380	425
	Gross weight (packed in carton) kg	310	370	430	550	590
	Width mm	900	1080		1410	1440
	Height mm	2050	2220			2250
	Depth mm	900	1080			1220
Order no. ULT freezer		ULT240	ULT360	ULT500	ULT750	ULT1000
		ULT 240eco	ULT 360eco	ULT 500eco	ULT 750eco	ULT 1000eco
Options						
Voltage stabiliser to compensate for voltage fluctuations in the mains supply. Protects electrical components and ensures stable operation of the unit.		✓				
Extended temperature protection via an additional built-in Pt100 sensor for independent temperature monitoring.		✓				
Backup cooling system to maintain storage temperature in the event of a power failure. Protects stored samples from unauthorised temperature rises.		CO ₂ LN ₂ ✓				
Left-hand door hinge to suit the layout of the laboratory.		✓				
Lockable doors with mechanical lock and key. Protects stored samples from unauthorised access.	Inner door	✓				
	Outer door	✓				
Sectional interior doors for separate access to individual storage areas. Reduce cold loss when accessing samples and improve temperature stability inside the chamber.	3-panel interior doors	✓				
	4-panel interior doors	✓				
	5-panel interior doors	✓				
	6-panel interior doors	✓				
Switchable cooling for operation with an air or water condenser. Enables flexible adaptation to different installation and operating conditions.		✓				
Water-cooled condenser for dissipating condensation heat via an external water circuit. Reduces the thermal load in the installation location.		✓				



Display

Options

- 01 Voltage stabilizer
- 02 CO2 backup cooling system
- 03 Lockable door with mechanical lock and key

Product range

- Ovens
Incubators
Sterilisers
- Vacuum Ovens
Peltier Cooled Incubators
CO2, Incubators
- Constant Climate Chambers
Humidity Chambers
Stability Test Chambers
- Water Baths
Ultra Low Temperature Freezers
Pass Through Ovens

Contact

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