



ULTRA LOW TEMPERATURE
-86°C
LAB CARE PLUS



INFRICO Medcare was born with a clear objective to share our experience in refrigeration to the healthcare sector, presenting the new line of specific products adapted for laboratories, blood banks and pharmacies.

Safety as the main objective, our range of ultra-low temperature freezers aims to satisfy the most demanding needs, ensuring long-term and reliable storage of the most sensitive samples.





Spanish Engineering, Design and Manufacturing

The Infrico's Production Centre is one of the most modern industrial installations in Spain.

The plant has a total surface of 40,000 square metres dedicated to production and an extension of 60,000 square metres for logistic activities. An investment effort that compliments the incorporation of the latest technology to offer the best solutions in cooling equipment.

ULTRA LOW TEMPERATURE **-40°C / -86°C**



ULF11086 / 110 L



ULF40086 / 400 L



ULF50086 / 500 L



ULF70086 / 700 L



ULF80086 / 800 L



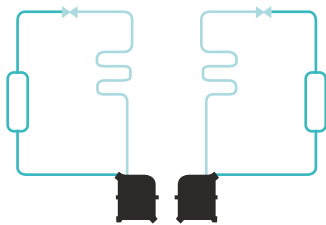
CLF50086 / 500 L



CLF70086 / 700 L

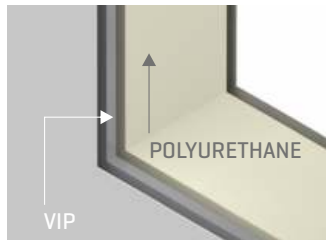


EQUIPMENT ULTRA LOW FREEZER



DOUBLE CIRCUIT COOLING SYSTEM

Double circuit cooling system, with independent and low-noise compressors. In case of failure of one of them, another is able to maintain the internal temperature at -70°C .



VIP INSULATION PANELS

Maximum insulation and reduced energy consumption with optimum space usage.



ERGONOMIC CLOSING SYSTEM

Single-hand operation. Key lock integrated.



4 STORAGE LEVELS [5 Levels Optional]

More than 50,000 microtubes may be stored in our standard racks and boxes.



3 ACCESS PORTS

Possibility of introducing probes or tubes.



FILTER CHANGE WITHOUT TOOLS

Washable filter and easy to remove.





FRONT
DOCUMENT
HOLDER



DIGITAL PLUS CONTROLLER

Graphic touchscreen – high accuracy in temperature control.
Built-in Datalogger and USB connection provide quick data transfer.



ACCESS CODE

Password protected control system.



INTERIOR STAINLESS STEEL FINISH

Interior coating, shelves and inner doors in stainless steel.



NATURAL HC COOLING GAS CFC

HCFC's free, biodegradable.



EASY INTEGRATION WITH AN
EXTERNAL ALARM SYSTEM

Potential free contact alarm and Modbus RS485 interface port.

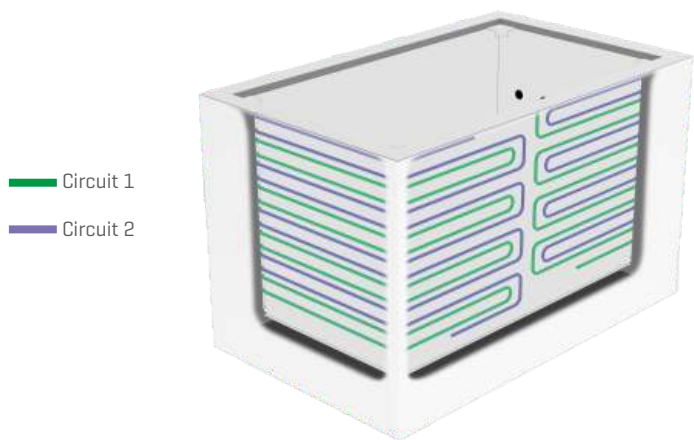
4 CASTERS WITH HEIGHT ADJUSTABLE
FEET

Great stability and easy repositioning.



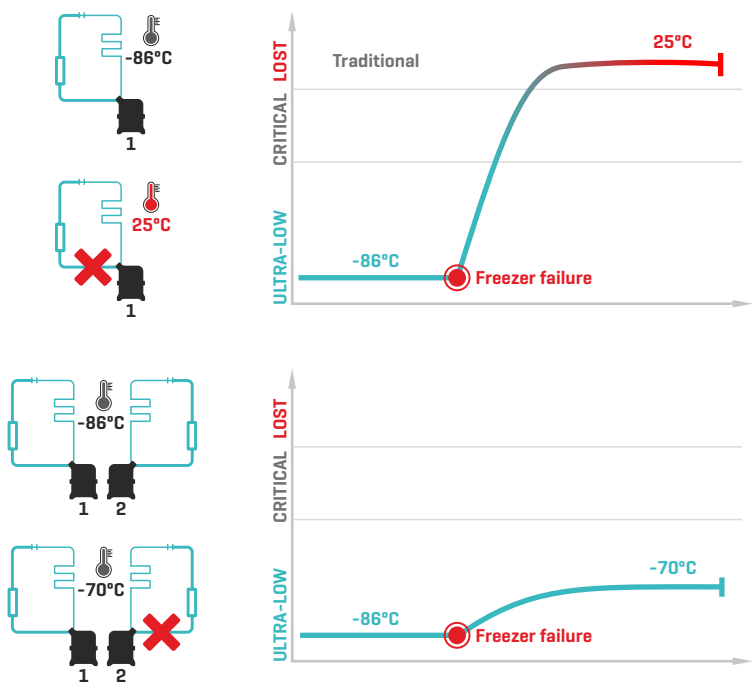


ULTRALOW TEMPERATURE **ULF** MEDCARE



RELIABILITY, PERFORMANCE
AND RECOVERY

MEDCARE ultra low freezer range offers high performance and reliability in its equipment thanks to the independent double-circuit refrigeration system around the inner chamber.

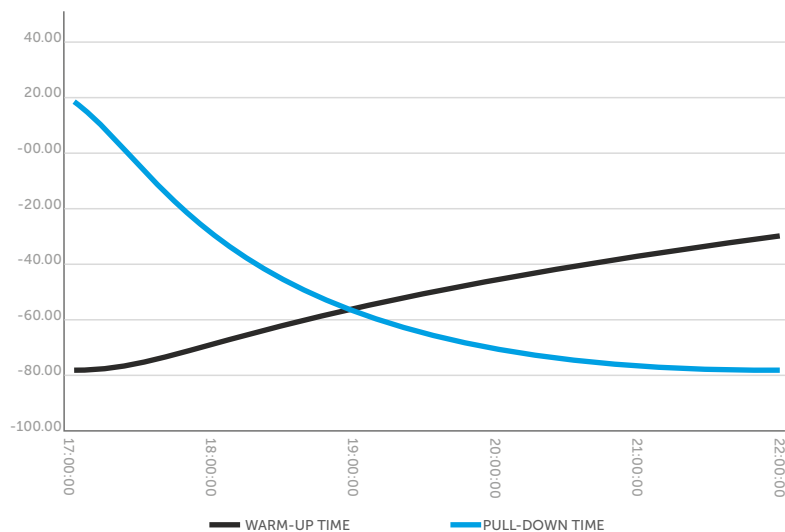


TRADITIONAL
FREEZERS

Ultra-freezers performance depends on only one compressor. In case of failure of this, temperature rises sharply to room temperature.

MEDCARE ULF
ULTRAFREEZERS

Double circuit cooling system, with independent and low-noise compressors. In case of failure of one of them, another is able to maintain the internal temperature at -70°C.



* Measured at +25°C ambient temperature and 60% Humidity

PERFORMANCE
AND RECOVERY

Ultra freezers is equipped with reliable high-power compressors, having short recovery times after door openings.

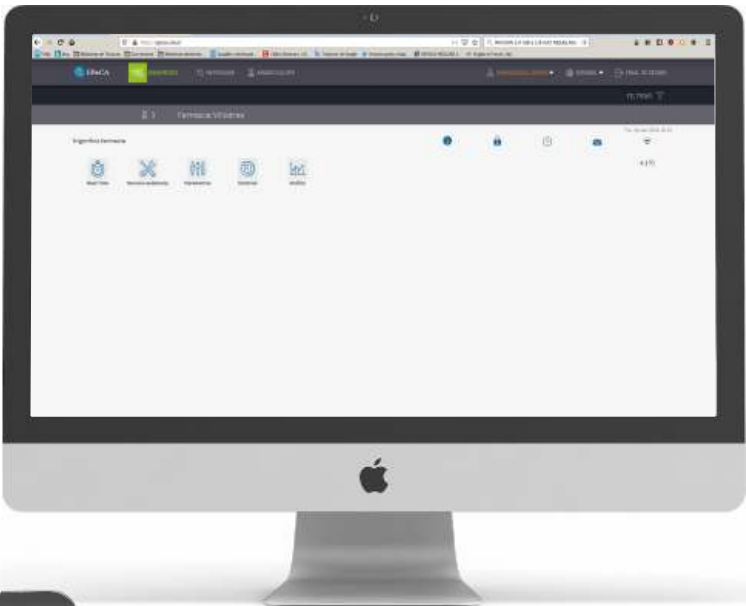
For even higher sample safety, the ultra low freezers can be equipped with CO2 back-up systems.



REMOTE MONITORING AND MANAGEMENT

MAIN SCREEN

Account menu to add/delete email accounts as recipients of messages and alerts



Selecting/deselecting the desired values

Interior room temperature

Regulation probe

Compressor turn on/off

PARAMETERS

For a specific parameter, it shows its code, current value and modified value





ULTRA LOW TEMPERATURE **ULF** VERTICALS



SERIES	Lab CARE PLUS	Lab CARE PLUS	Lab CARE PLUS	Lab CARE PLUS	Lab CARE PLUS
MODEL	ULF11086	ULF40086	ULF50086	ULF70086	ULF80086
Temperature range [°C]	-40 / -86	-40 / -86	-40 / -86	-40 / -86	-40 / -86
Nominal Capacity [litres]	110	400	500	700	800
Exterior dimensions [mm] W x D x H	1092 x 827 x 827	846 x 975 x 1997	996 x 975 x 1997	1276 x 975 x 1997	1380 x 975 x 1997
Interior dimensions [mm] W x D x H	490 x 481 x 530	490 x 619 x 1300	640 x 619 x 1300	920 x 619 x 1300	1020 x 619 x 1300
Door opening [mm] W x H	517 x 527	516 x 1297	666 x 1297	946 x 1297	1046 x 1297
Insulation thickness [mm]	120	120 + VIP			
Exterior finishing	White plastic coated galvanised steel				
Interior finishing	Stainless steel				
Shelves Number	1	3			
Levels Number	2	4			
Shelf Size [mm] W x D	474 x 470	467 x 597	617 x 598	897 x 598	998 x 598
Shelves Material	Stainless steel				
Racks Number	6	12	16	24	28
Door Type	Solid				
Lock	Yes				
USB Port	Yes				
Datalogger	Yes				
Battery	Yes				
Product temperature simulation probe	No				
Interior room temperature probe	Yes				
Controller type	Digital Plus				
Refrigerant type	HC				
Electric power [W]	636	1896	1965	2789	2789
Voltage/Frequency [V / Hz]	230 / 50				
Weight [kg]	110	244	253	311	322

* Measured at +25°C ambient temperature and

We reserve the right to modify technical and construction specifications without prior notice.



ULTRA LOW TEMPERATURE CLF HORIZONTALS



SERIES	Lab CARE PLUS	
MODEL	CLF50086	CLF70086
Temperature range [°C]	-40 / -86	
Nominal Capacity [litres]	500	700
Exterior dimensions [mm] W x D x H	2011 x 954 x 1092	2291 x 954 x 1092
Interior dimensions [mm] W x D x H	1190 x 640 x 756	1470 x 640 x 756
Door opening [mm] W x H	1190 x 640	1470 x 640
Insulation thickness [mm]	120	
Exterior finishing	White plastic coated galvanised steel	
Interior finishing	Stainless steel	
Racks number	32	40
Door Type	Solid	
Lock	Yes	
USB Port	Yes	
Datalogger	Yes	
Battery	Yes	
Product temperature simulation probe	No	
Interior room temperature probe	Yes	
Controller type	Digital Plus	
Refrigerant type	HC	
Electric power [W]	1965	2789
Voltage/Frequency [V / Hz]	230 / 50	
Weight [kg]	253	311

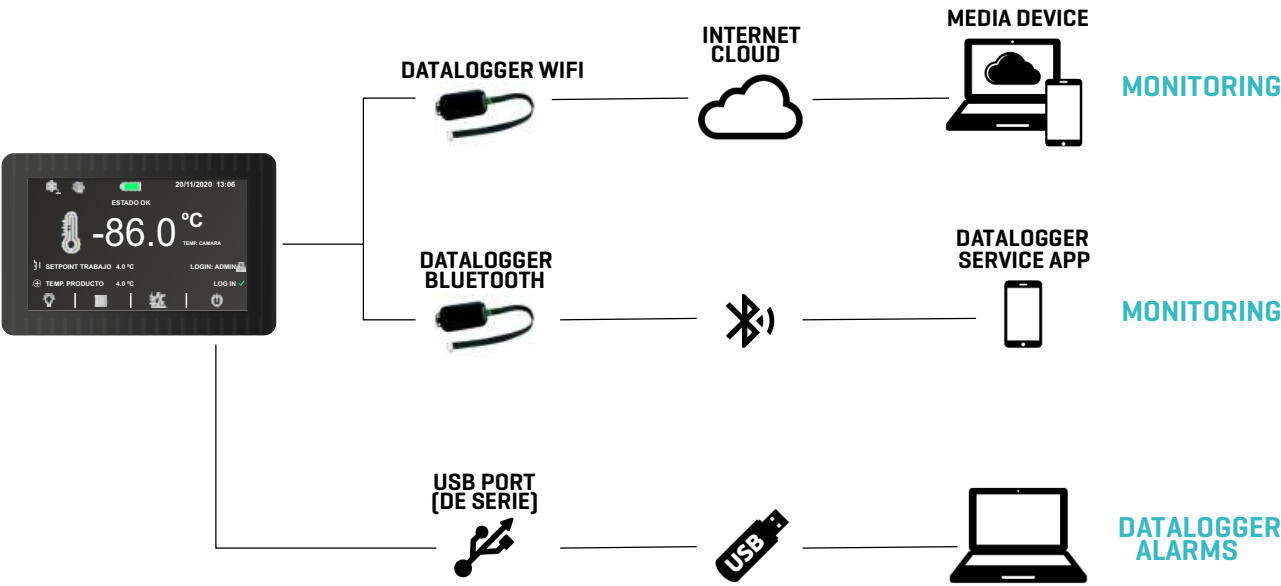
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OPTIONAL EQUIPMENT



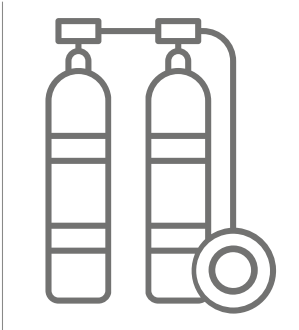
5 INNER DOORS



SIDE ACCESS RACK



TEMPERATURE CHART RECORDER



CO₂ BACKUP



SLIDING RACK



CRIOGENIC GLOVES



STORAGE CAPACITY

	ULF11086	ULF40086	ULF50086	ULF70086	ULF80086	CLF50086	CLF70086
Racks Number	6	12	16	24	28	32	40
50 mm / 2" Boxes Number	72	252	336	504	588	416	520
Sample vials 2ML [2"BOX], 100 cell dividers	7200	25200	33600	50400	58800	41600	52000
75 mm / 3" Boxes Number	54	180	240	360	420	288	360
Sample vials 2ML [3"BOX], 81 cell dividers	4374	14580	19440	29160	34020	23328	29160
100 mm / 4" Boxes Number	36	120	160	240	280	160	200
Sample vials 2ML [4"BOX], 81 cell dividers	2916	9720	12960	19440	22680	12960	16200





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