

ARCTIKO

The art of simplicity®

Properly
the World's
safest ultra low
temperature
freezer!

-90°C

ULUF 590

556 liter

DUAL COOLING
SINGLE PRICE
EUR 5.414,-*
YOU SAVE EUR 1.244,-**

High security
Dual independent
compressor
technology

The ULUF 590 unit uses the ARCTIKO single compressor technology, BUT the 590 has twin refrigeration systems! This unit out performs any other freezer on the market.**

EXTRA SECURITY

YOU SAVE OVER 15%!**

LIMITED OFFER!***

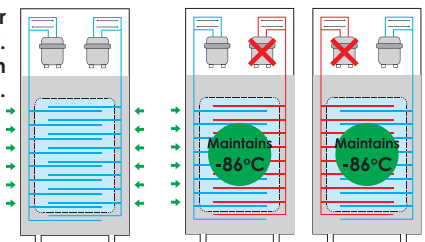
With the twin systems working together, the pull-down time from room temperature to -80°C is under 3 hours, versus 8 hour pull-down time for the two compressor "Cascade type" freezers. All while using the same amount of electrical consumption (technically you would be saving in energy cost due to the quick recovery time of the 590).

We have made a 2 minute door opening test on the 590 and it recovered back to -80 in 35 minutes! Other freezers will take well over two hours!

We would recommend the ULUF 590 if you want higher security for your samples/product. The reason being is the fact that if you lose one of the compressors in the 590, the other compressor will maintain a cabinet temperature of -86°C until repairs can be made. Even better, the broken compressor can be replaced while the unit is still running! All at half the cost as compared to the two compressor rebuild!

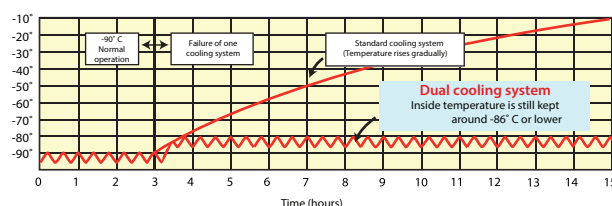
DOUBLE COOLING SYSTEM / Normal Operation

2 independent Single compressor cooling systems work simultaneously. Each system is able to reach ultra-low temperature.



IN CASE OF TROUBLE / One System down

One of the Systems can maintain -86°C .



* All Prices are net Prices.
** We reserve the right to change specifications without notice.
Subject to confirmation, availability and errors.
*** Valid until 31.09.2016.



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ULUF SERIES

- Dual refrigeration system
- Direct cooling for higher temperature uniformity
- Excellent temperature stability
- Filterless construction
- Insulated inner doors
- Castors
- Lock on door
- Ergonomic loading
- Heated door frame
- Heated vacuum valve
- 100% HCFC/CFC free

ALL STANDARD FEATURES

- Micro processor controller with digital display
- Approx. 72 hours battery back up for alarms, loggings and temperature display in case of power cut
- Prepared for GSM alarm
- Prepared for connection of 2 additional probes
- Auto cycle in case of probe failure
- Ambient temperature display
- Direct download of logged data on USB memory stick
- Direct upload of new software via USB memory stick
- 3-level password protected
- Battery level indication
- Display text available in different languages
- Temperature graph
- Integrated data logger
- RS485/RS232 interface
- Integrated memory for 20 years
- Visual and acoustic alarm
- Adjustable high/low temperature alarm
- Power failure alarm
- Probe failure alarm
- Instrument failure alarm
- Open door alarm
- Contact for remote alarm
- Shows all alarms

MODEL	ULUF 590
Item code	DAI 1376
Dimensions exterior WxDxH (mm)	920x885x1990
Capacity (L)	556
Temperature range (°C)	-90°C/-40°C
Power supply (V)	230
Frequency (Hz)	50/60

ULUF 590

Arctiko is proud to present the true dual refrigeration system. By installing two separate cooling systems, this range adds a new dimension to your security. In the unlikely event that one system should fail, the freezer will still maintain -86°C until the problem is solved.

- 90 °C

AVAILABLE IN
STAINLESS STEEL

ARCTIKO

Advanced Arctiko controller

GSM alarm module for optimal safety (optional)



Battery backup - 72 hours



Integrated data logger with memory



RS485/RS232 interface



On/off protection



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Technical specifications

Item code	DAI 1376
Dimensions exterior WxDxH (mm)	920x885x1990
Capacity (L)	556
Dimensions interior WxDxH (mm)	680x608x1345
Insulation (mm)	120
Temperature range (°C)	-90°C/-40°C
Max. ambient temperature (°C)	25
Power supply (V)	230
Frequency (Hz)	50/60
Power consumption (KWH/24H)	15,7
Current (A)	3,8
Weight (KG)	Check our website
Shipping weight (KG)	Check our website
Shipping weight with wooden packaging (KG)	Check our website
Shipping dimensions WxDxH (mm)	Check our website
Shipping dimensions with wooden packaging WxDxH (mm)	Check our website
No. of compressors	2
Visual / acoustic alarm	Yes
Power failure alarm	Yes
Adjustable high/low temperature alarm	Yes
Open door alarm	Yes
Probe failure alarm	Yes
Alarm display as text - not codes	Yes
Contact for remote alarm	Yes
Prepared for GSM alarm module	Yes
Approx. hrs of battery back up for alarms and temperature display in the event of power cut	72 hours
Porthole for installation of PT100/CO ₂ back up	Yes
Digital display	Yes
Data logger	Yes
RS 232 interface	Yes
RS 485 interface	Yes
USB up/down load	Yes
Defrost manual / auto	Manual
Castors	Yes
Chart recorder	Optional
Shelves (pcs) / drawers (pcs)	4 / *
Basket (pcs)	No
Sub door (pcs)	5
Lighting	Yes
Lock	Yes
Inner liner material	Stainless steel
Cabinet material	Varnished steel / stainless steel *
Colour (exterior)	White / stainless steel *
Refrigerant	EP88

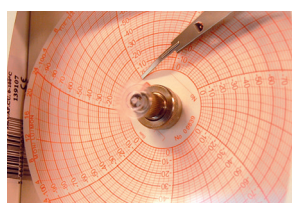
Optional



1 The GSM alarm module sends a SMS message to one or several coded telephone numbers in case the temperature exceeds a fixed range.



2 SVS voltage stabilizers for excellent output voltage stability in case the voltage rises or drops.



3 Chart recorder for documentation of the temperature condition over a certain period of time.



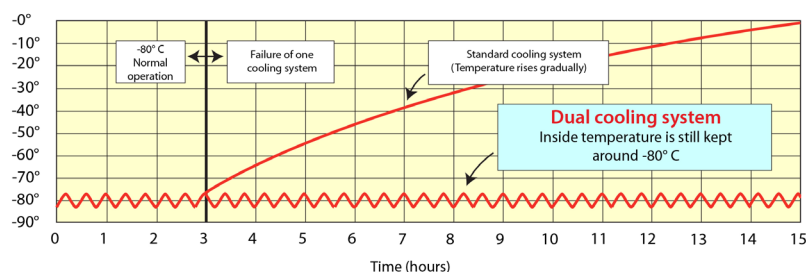
4 CO₂ back up system ensures optimized safety.



5 Cryo gloves protect your hands and prevent frost bites when handling samples which are stored at down to -160 °C.

* Optional, please contact us.

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www.arctiko.com
www.co2care.eu