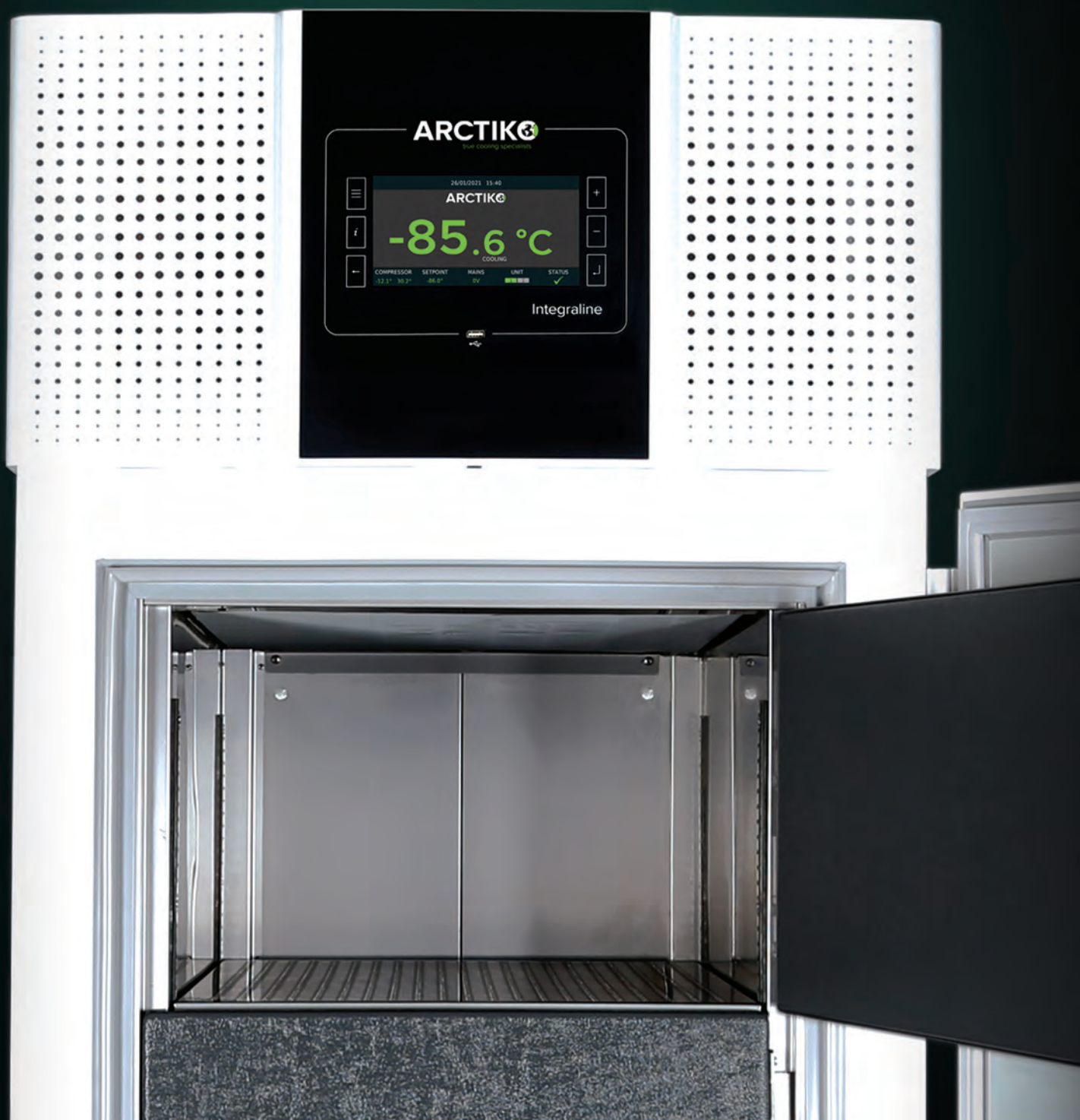


**ARCTIKO**  Integraline GG  
true cooling specialists

# UPRIGHT ULT FREEZERS WITH NATURAL REFRIGERANT



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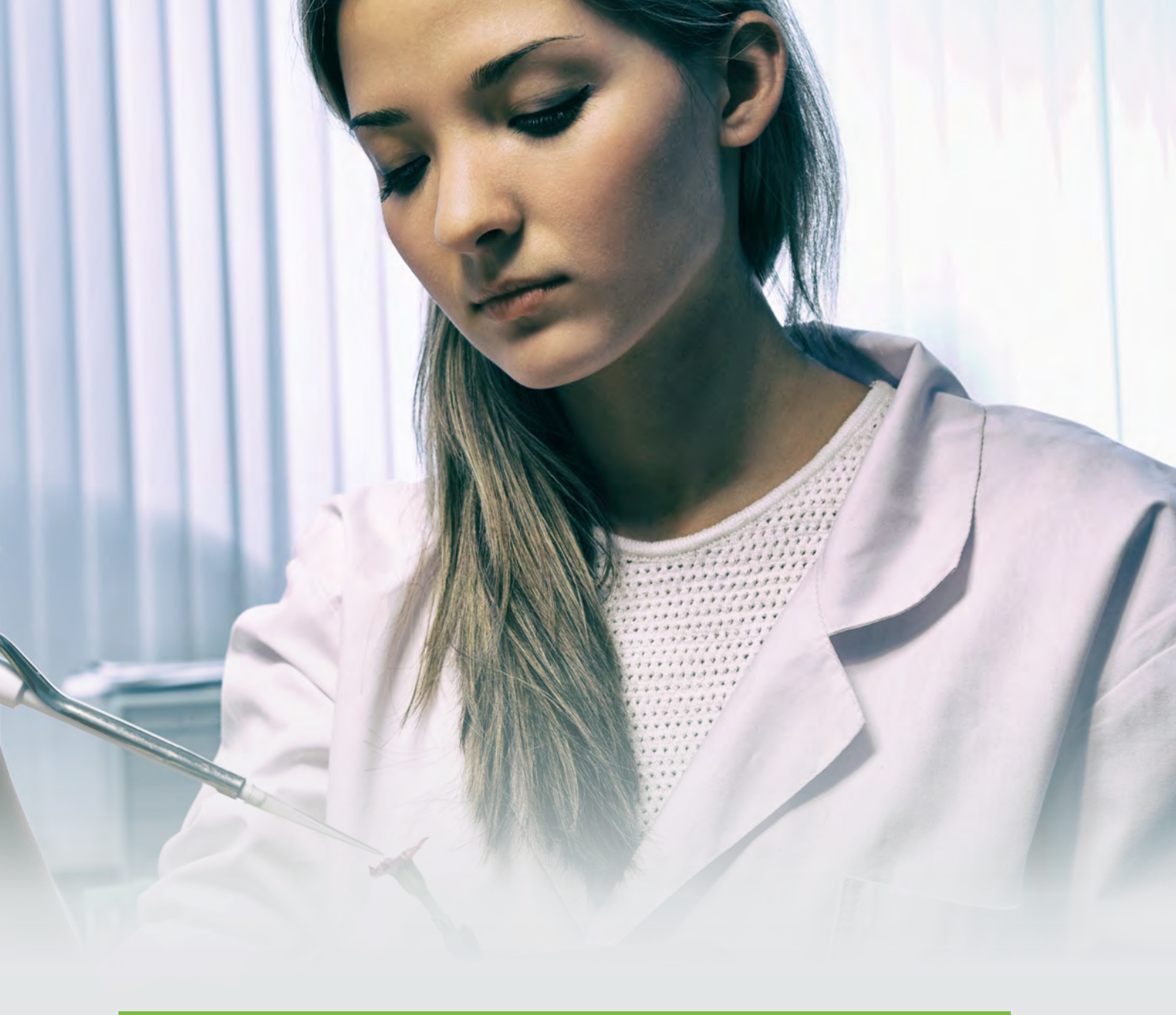


## CERTIFICATES

ARTIKO is certified according to ISO 9001:2015 and ISO 13485:2016 ensuring that our products will comply with applicable quality standards at all times.

We offer products that always meet the regulatory requirements of the EU directives concerning CE marking as well as a selected group of products classified as medical devices.





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## **RESEARCHERS WORLDWIDE** PROTECTS MILLIONS OF SAMPLES INSIDE ARCTIKO FREEZERS

ARCTIKO never settles for second best. We are distinguished by setting new trends in high-quality customized cooling and freezing solutions — primarily in healthcare and life sciences.

With reliability and durability in focus, the safety of our customers' valuable samples is our main priority. Our development engineers and highly-regarded research constantly improve our products. Together, we strive towards the highest performance and efficiency rate through testing, based on environmentally proved methods and required certifications.

At ARCTIKO, we constantly strive for flexibility, uniformity, high-quality performance technology and continuous innovations. Additionally, it's noteworthy to mention that our high-tech products are all designed, developed and engineered in Denmark.



DESIGNED  
DEVELOPED &  
ENGINEERED  
IN DENMARK



# Integraline GG

## ULT DEVELOPED TO TARGET THE MOST CRITICAL USERS

► Your valuable samples demands a safe and stable environment leaving no room for temperature fluctuations. Some samples are quite fragile and expensive, so you clearly can't allow unreliable equipment where frequent door openings can completely damage your samples.

The Integraline GG range is characterized by the short pull down time indicating an exceptionally dominant and productive refrigeration system with robust insulation and the potent mixture of polyurethane and vacuum insulated panels. Even with continuous door

openings, it rapidly restores temperature uniformity creating a highly reliable environment that's not being affected by ambient temperature.

Therefore, it is essentially defined by amazing temperature recovery properties. The slower hold over time shows the mighty and well-insulated freezer's capability of keeping the temperature constant and the capacity of immediately restoring temperature uniformity following door openings. The range includes four upright cabinet models with an inner capacity from 385L to 819L.

### STORAGE OF SENSITIVE SAMPLES

When storing sensitive samples, the stable temperature inside is essential. Some customers need to monitor the temperature through external devices in line with higher requirements. In our Integraline GG, we have included a premade access port for an easier installation of an external probe or monitoring device. Moreover, the new Integraline GG can be connected to several optional accessories, to get exactly the unit that fulfills the needs in the laboratory, so that you can focus on your valuable research

### APPLICATION

Ultra low-temperature freezers have a wide application range for both biological and biotech storage. Whether you are in the medical field, life sciences, plastics, food, or electronic components industry, these freezers are absolutely perfect for your application's needs. The application in the Integraline GG includes biological samples such as DNA/RNA, plant samples, insect artifacts, autopsy materials, blood, plasma, bones and tissues, chemicals and antibiotics, tissue, bone marrow, cord blood, specimens, stem cells, and sperm.



NATURAL  
REFRIGERANT

► We have strongly committed ourselves to the responsible use of natural resources and clean technologies by using eco-friendly alternatives. Our natural refrigerants include extremely low GWP (Global Warming Potential) values and ODP (Zero Ozone Depletion Potential).

Our tried and tested environmentally friendly CFC-free and HCFC-free refrigerants guarantee potent and powerful system securing your valuable samples, but without compromising our Earth's safety in the process. These refrigerants don't produce harmful

fumes and they are considered to be the ultimate solution to the environmental contamination produced by synthetic refrigerants.

Even though they are environmentally friendly, they consume significantly less energy without compromising the cooling system, environment, and making it cost effective as well. Our environmentally-safe refrigerants share strong thermodynamic properties creating high performance along the way.

## V700 CONTROLLER

- ▶ The first-class V700 controller is equipped with all necessary alarms and features (see page 14-15). On top of everything, we developed ECO mode to reduce energy consumption while maintaining optimum uniformity for the stored materials.



## DETACHABLE INNER DOORS

- ▶ We designed the model with easily accessible compartments including four removable inner doors that are individually insulated with magnetic catch. This smart function also guarantees easy defrosting and effortless maintenance of the unit.



## DOUBLE DOOR GASKETS WITH OPTIMAL INSULATION

- ▶ Heated door frame, insulated door and specially designed double door gaskets ensuring close tightening and prevents ice from building up.



## ONEGRIP™ HANDLE

- ▶ Ergonomic door handle enables one-handed door operations. Your security will be doubled thanks to both the integrated lock inside the handle and the RFID smart lock Card Key.



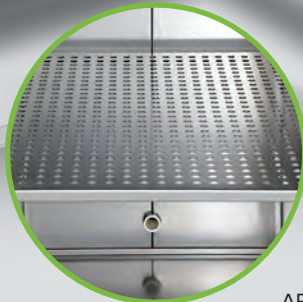
## PREMADE ACCESS PORT

- ▶ At ARCTIKO, we pay particular attention to the stability of the inside temperature for storing your sensitive samples. Some customers need to monitor the temperature through external devices in line with higher requirements. For that reason, we came up with 6 premade portholes for an easier installation of an external probe or monitoring device.



## FLEXIBLE SHELF LAYOUT

- ▶ The Integraline GG has multiple shelf configurations. Our middle shelf is equipped with direct cooling. Additionally, organizing the interior to fit your samples is now a piece of cake because of the use of existing racks or ARCTIKO's highly durable stainless steel racks, 10x10 cryoboxes, and vials.



## STRONG AND DURABLE CASTORS

- ▶ Our designers at ARCTIKO have designed castors resulting in superior durability and strength. Our castors meet the highest requirements making them matchless on the market.





### **DON'T WASTE TIME SHIFTING THROUGH UNSORTED SAMPLES**

► Store your freezer storage boxes within organized freezer racks. We offer a large variety of stainless steel racks to optimize your freezer space. These racks are made of high-quality, strong and long-lasting stainless steel. The racks will help you organize the samples inside your freezer easily.

Two types of racks can fit in this compact range of freezers. The racks with drawers, sliding the boxes easily in and out of the freezer, or with compartments in order to introduce the box from the side.



### **ONEGRIP™ HANDLE**

► The ARCTIKO OneGrip™ handle is designed and developed for easy and ergonomic use. With soft edges and a 25-degree angle, daily operational routines can be performed, with a smooth and easy one-handed door opening and closing experience.

The construction of the handle and door combination ensures a secure-tightening mechanism for optimal temperature level preservation. The ARCTIKO OneGrip™ door handle also includes an integrated lock for restricted access.



## VACUUM INSULATED PANELS

► ARCTIKO's specially developed vacuum insulated panels are made of a high-efficient quality that secures the lowest possible energy consumption and are used to optimize the freezer to increase energy efficiency and cooling performance.

Vacuum insulated panels combined with ARCTIKO's state-of-the-art TRUE DUAL™ technology provide a safe and high-quality ULT freezer with double security.

This model is ideal for the demanding standards that need a precise and uniform temperature environment.



1. Barrier film
2. Vacuum insulated panel
3. Interior
4. Rigid foamed polyurethane

## DURABLE AND EASY TO CLEAN

► The interior of the Integraline GG freezers is made of highly durable and robust stainless steel AISI 304 to ensure the best possible quality and to provide high sample safety.

The rounded corners of the interior of the freezers allow easy cleaning and disinfection. The well-designed inner compartment maximizes the storage capacity and allows storing samples safely and within a reduced footprint.



# ARCTIKO

true cooling specialists

## Integraline GG



ULLUF P500GG ▼



ULLUF P820GG ▲



► Independent TRUE DUAL™ technology guarantees double security. Ideal for critical preservation application



► Direct cooling for optimized temperature stability and uniformity, even with multiple door openings



► Low heat dissipation because of the efficient cooling of compressors with our Airflow Control system — ensuring a pleasant work environment and savings in running costs



► Low energy consumption made possible with ECO mode and ultra-efficient Vacuum Insulated Panels



► Reduced noise level down to 49 dB — low noise level provides a better work environment



► Natural refrigerant deliver more effective cooling due to their high latent heat of evaporation. This results in enhanced performance that reduces power consumption.



# DURABLE AND RELIABLE ULTRA LOW TEMPERATURE FREEZERS

-40 / -86 °C



► Self-diagnostic function to secure that your alarm system is always working correctly



► The top, bottom and middle shelf is equipped with direct cooling. The other shelves are flexible which makes it possible to organize the interior to fit the users' needs.



► Built-in CO<sub>2</sub> backup controller system for extra security for your valuable samples



► Individually insulated inner doors to minimize cold loss during door openings. Easy removable inner doors make the defrost and maintenance procedure effortless.



► Filterless construction prevents complications due to dust in the filter.

# RELIABLE AND EXCEPTIONAL TEMPERATURE PERFORMANCE

► Storing samples at ultra-low temperatures has always been a highly sensitive process because the stored items are most likely of high value. Do not risk the safety of your samples, due to the potential breakdown of your freezer.

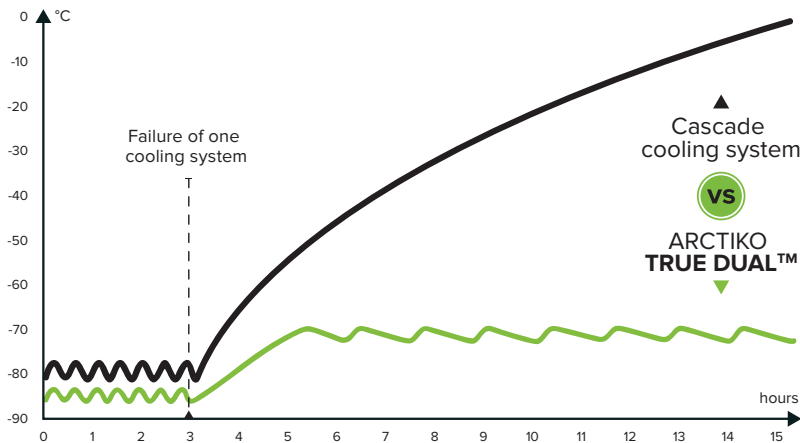
Our TRUE DUAL™ technology is an extra layer of security because we understand that storing samples is important and that each sample is priceless.

To keep your samples safe and to protect the hard work put into the samples, we designed the

TRUE DUAL™ technology. This technology consists of two independent cooling cycles based on the single compressor system.

In the unlikely event of an unexpected error or breakdown of one of the cycles, the other system will serve as backup. This guarantees that your samples will be protected and kept at least at -70°C at all times.

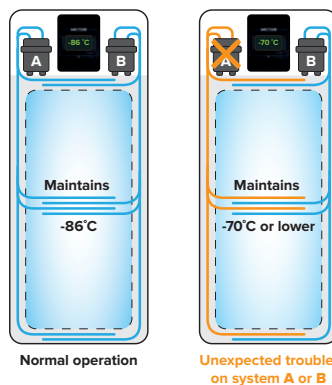
In short, our TRUE DUAL™ technology is the safest choice when keeping your samples safe.



► **CASCADE** **VS** **ARCTIKO TRUE DUAL™ Cooling System**

With a Cascade system (marked black ●) the temperature will rise gradually and the samples will be destroyed.

ARCTIKO's **TRUE DUAL™** cooling system (marked green ●) will serve as a backup and the inside temperature will stay in the low temperatures



FOCUS ON WHAT REALLY MATTERS - **YOUR SAMPLES.**  
USE YOUR TIME WISELY.

# ARCTIKO **TRUE DUAL™** TECHNOLOGY



## **TRUE DUAL™ TECHNOLOGY**

Our unique TRUE DUAL™ technology ensures the very best results and significantly differs from the conventional cascade refrigeration system in fundamental design and operation.

It's crucial to invest in the proper quality laboratory equipment that meets the established regulatory standards.

- ▶ Double security for samples
- ▶ No stress and problems involved
- ▶ No costly downtime situations
- ▶ Faster recovery after door openings
- ▶ No need for a backup freezer
- ▶ Longer lifespan
- ▶ Fast pull-down time
- ▶ Easy maintenance because of a simple cooling system and filterless construction
- ▶ Direct cooling for greater temperature accuracy
- ▶ Low temperature difference from top to bottom

## CONVENTIONAL CASCADE SYSTEM

### **CASCADE SYSTEMS**

In a cascade system, the two compressors depend on each other to reach -80. In case of a failure on one compressor, the temperature will rise and potentially destroy the samples.

Samples should then be moved into a backup freezer to be safe.

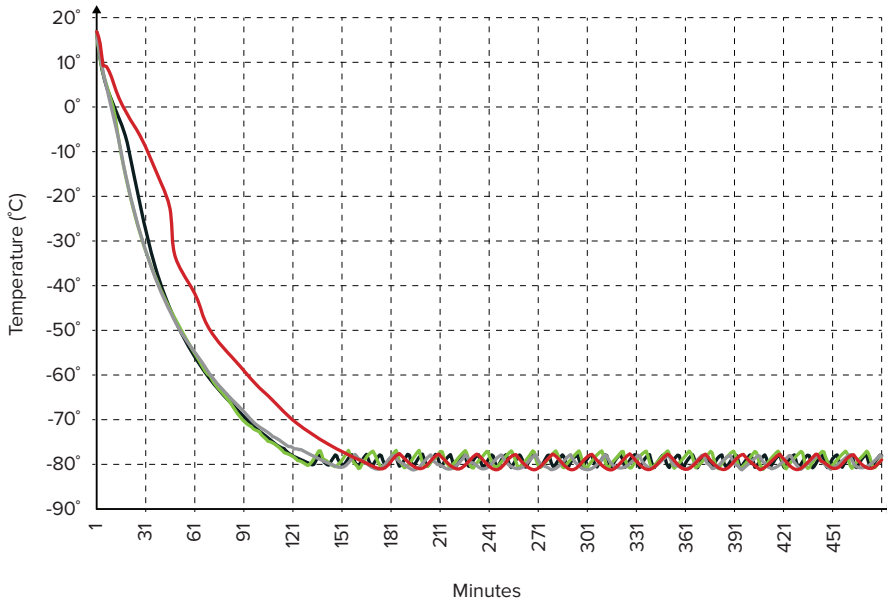
- ▶ No extra security
- ▶ Need for a backup freezer when the system breaks down
- ▶ Extra frustrations and stress
- ▶ No direct cooling
- ▶ Can be expensive in the long run



# PERFORMANCE DATA

► Securely store valuable and irreplaceable samples with the utmost confidence that they won't be affected because of temperature uniformity.

ARCTIKO freezers are well-known all over the world for having one of the best uniformities compared with other ones on the market.



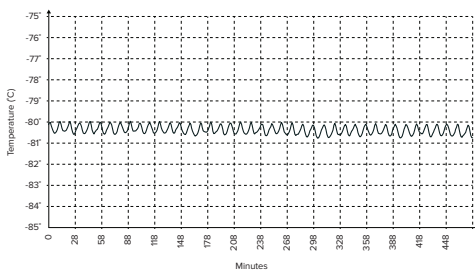
## ◀ PULL-DOWN GRAPH

The pull-down time measures the time taken to cool down the freezer from ambient temperatures to -80 °C. ARCTIKO's powerful and efficient compressor system creates a faster pull-down time extending the sample lifetime.

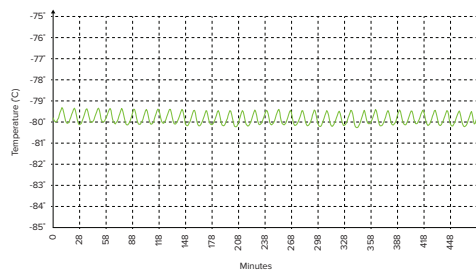
- ULUF 390GG
- ULUF 500GG
- ULUF 610GG
- ULUF 820GG

## ▼ UNIFORMITY

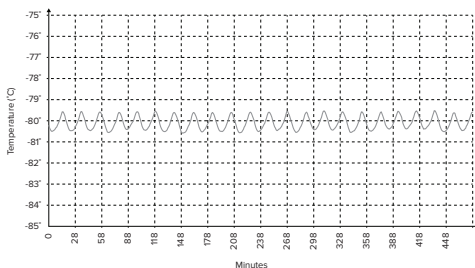
The uniformity represents the temperature fluctuation inside the freezer. Fewer fluctuations within a freezer indicate a stable and even temperature. It's important to note that samples should be stored at uniform temperatures to maintain viability.



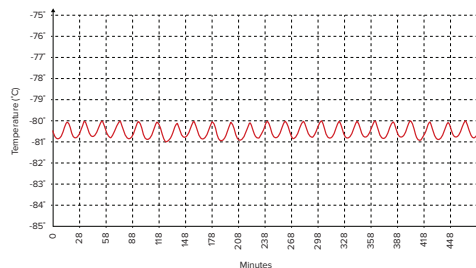
ULUF 390GG



ULUF 500GG



ULUF 610GG

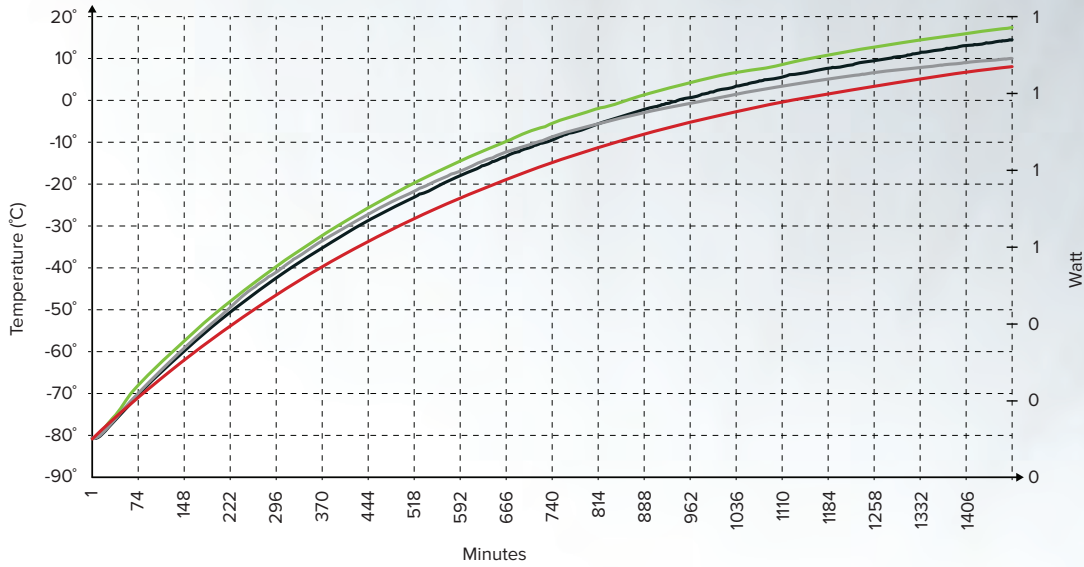


ULUF 820GG

### ▼ HOLD OVER GRAPH

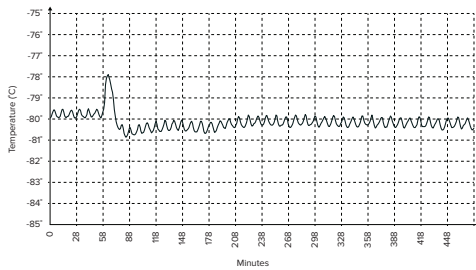
The hold over time measures the time taken for the temperature to rise in case of a power failure. In the event of a power cut, the longer the hold over time, the longer the samples will be safe. ARCTIKO's phenomenal hold over time will extend the sample lifetime.

- ULUF 390GG
- ULUF 500GG
- ULUF 610GG
- ULUF 820GG

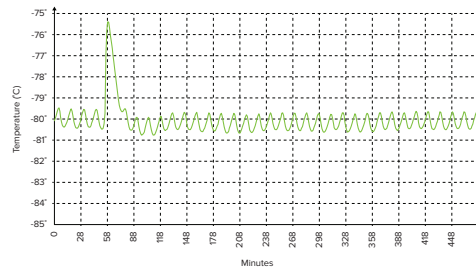


### ▼ DOOR OPENING

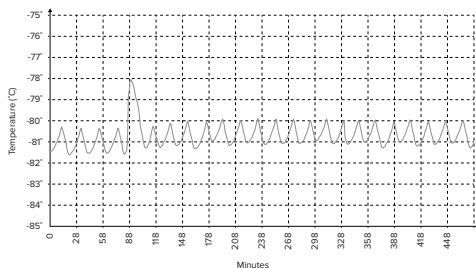
As displayed in the graph, Arctiko's freezer possesses perfect ability to rapidly reach the desired inner temperature after door opening keeping samples out of danger. If samples are not stored in the proper temperature conditions, they can become practically useless. An even slightest difference in temperature can ruin the samples completely. In other words, a fast pull down after door openings is crucial.



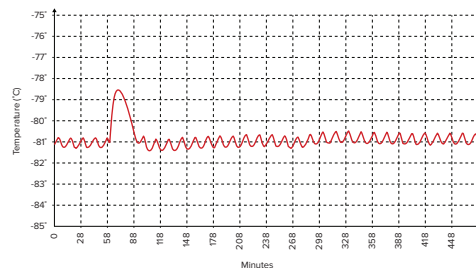
ULUF 390GG



ULUF 500GG



ULUF 610GG



ULUF 820GG

# V700 CONTROLLER WITH A USER-FRIENDLY INTERFACE



► With the new ARCTIKO controller, you will get the most user-friendly controller on the market. The new controller comes as a 7" touch screen display.

The controller is upgraded with the newest technologies on the market and has all the features needed for safe storage of your valuable samples.

Energy consumption has a huge impact on the cost of ownership therefore, ARCTIKO's newly developed -86 °C models that can operate in **ECO** mode and **NORMAL** mode.

► **ECO** mode is developed to reduce energy consumption while maintaining optimum uniformity for the stored materials.

Large 7" color resistive touch screen display makes it easy to access all necessary functions and is easy to navigate. It can even be operated with a glove.

- Display is easy to clean - no accidental button presses - easy to navigate



- USB port for easy upload of software & download of logged data
- Extensive integrated logging capabilities with access to detailed log directly on the display
- Multiple languages available in the controller





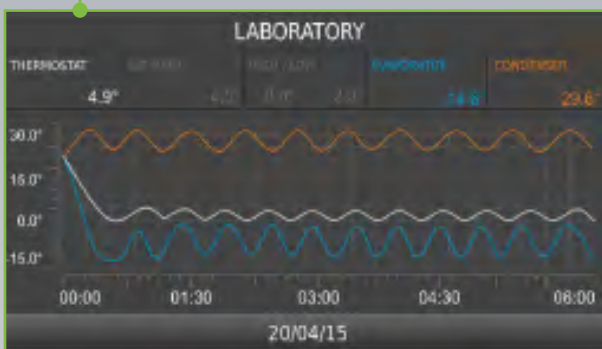
# MAIN FEATURES

- ▶ Self-diagnostic test
- ▶ ECO mode - reducing operating costs
- ▶ Monitoring of power and multiple alarm conditions
- ▶ Integrated memory for 20 years of logged data
- ▶ Battery backup for alarms, logging, and temperature monitoring in case of power failure
- ▶ Auto cycle in case of probe failure
- ▶ Advanced service mode
- ▶ 3 levels of password protection
- ▶ Digital temperature graph



## PREPARED FOR:

- Connection of one additional probe
- Electronic lock with access via RFID card
- Built-in CO<sub>2</sub> backup function
- Modbus over RS485
- Connection of GSM alarm module



## ALARM FEATURES

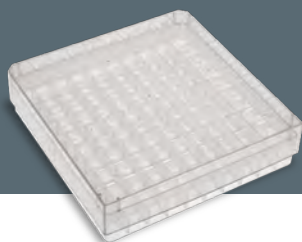
- Visual and acoustic alarm
- Compressor alarm (TRUE DUAL™)
- Adjustable high/low temperature alarm
- Power failure alarm
- Probe failure alarm
- Open door alarm
- Contact for remote alarm
- Shows all alarms



# ACCESSORIES

## ITEM NO.

DAI 3160 (32mm)  
DAI 3161 (40mm)  
DAI 3162 (50mm)  
DAI 3163 (80mm)  
DAI 3164 (90mm)



## ARCTIKO BOXES

With ARCTIKO's cryoboxes, you are guaranteed with a high focus on quality and many years of experience in making strong, easy-to-use storage boxes with customers in mind.

ARCTIKO boxes come in two different versions: 9x9 and 10x10 boxes, providing a storage capacity of 81 and 100 samples respectively. With the 10x10 box, the focus is to optimize the sample storage and provide more advantages than the conventional 9x9 boxes.

Benefits of ARCTIKO's 10x10 Cryo Boxes:

- 23% increase in storage capacity compared to conventional boxes
- A click lock in the lid ensures secure handling and that samples will be stored optimally at all times
- Numerical codes for quicker identification
- Standard measurements 130 x 130mm fit most rack systems
- Enables one-handed opening of vials without removing them

## ITEM NO.

DAI 0942



## VOLTAGE STABILIZERS

The voltage stabilizer will ensure that your equipment will receive normal, stabilized power. If the voltage rises or drops, the voltage stabilizer will stabilize the output ensuring the voltage remains constant at 230 V (+/- 6 %) or 115 V (+/- 6 %), within the operating range of the unit.

Stabilized power is essential for refrigeration equipment in unsteady power areas to ensure long service operation without damage and to ensure that the contents of the refrigeration unit are kept at the optimal temperature.

## ITEM NO.

DAI 3150 (0,5ml)  
DAI 3151 (1,0ml)  
DAI 3152 (2,0ml)  
DAI 3153 (4,0ml)  
DAI 3154 (5,0ml)



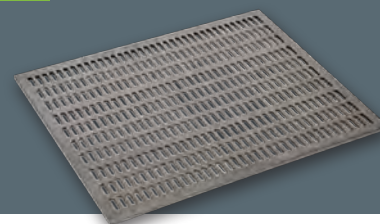
## ARCTIKO SLIM CRYOVIALS

ARCTIKO Cryovials are uniquely designed for safe short-term and long-term storage. Combined with our popular and innovative 10x10 cryoboxes, the capacity will be optimized by more than 23%.

- Slim design with external thread for 10x10 boxes
- External thread limits sample contamination due to tight closing
- Highly resistant and withstanding temperatures of -196 °C / 121 °C
- Star-foot grip for easy and safe removal and fitting of the lid
- Self-standing star-foot with anti-rotating bottom, compatible with various working stations
- Smart and uniquely designed lid allowing easy tightening and removal of the lid with only half a rotation
- Certified RNase-free, DNase-free, Pyrogen-free, and DNA-free
- Sterilized after ISO 11137-2:2013

## ITEM NO.

5060044-01 (P390)  
5060045-01 (P500)  
5060046-01 (P610)  
5060047-01 (P820)



## PERFORATED STAINLESS STEEL SHELVES

To accommodate customers' needs for a higher degree of customization, the models include 3 shelves as a standard where two of them are adjustable. We recommend maximum 5 shelves in total. They are designed with a perforated surface ensuring continuous airflow and durable stainless steel with a loading capacity of up to 50 kg.

**ITEM NO.**  
DAI 0934



### TEMPERATURE CHART RECORDER

A chart recorder is a safe solution for documenting temperature conditions over a certain period of time. A replaceable pen continuously documents the temperature on a chart that circulates on either a 7-day or 24-hour basis. The chart recorder can be built in as an option in many ARCTIKO products.

**ITEM NO.**  
DAI 0980 (size M)  
DAI 0981 (size L)  
DAI 0982 (size XL)



### CRYO GLOVES

Our water-resistant cryo-gloves protect your hands and prevent frostbite while you are handling frozen products in ultra-cold environments down to -160 °C.

The gloves have multiple layers of insulation from fingertip to mid-forearm; they can also be used in very high temperatures up to +123 °C and are available in different models and sizes.

**ITEM NO.**  
DAI 0921



### CO<sub>2</sub> BACKUP

A number of ARCTIKO products can be supplemented by a CO<sub>2</sub> backup system for optimized safety. The backup system is supplied with a heavy duty internal battery, injection indicator and digital display with alarm functions.

It injects CO<sub>2</sub> in the event that the temperature inside a freezer rises above a preset temperature value.

**ITEM NO.**  
DAI 0916 (RV-4000)  
DAI 0917 (RV-8000)



### VOLTAGE CONVERTERS

Voltage converters can be used worldwide to transform 220 V into 110 V and vice versa. The voltage converters are made of highly durable materials and feature power source indicators and a toroidal transformer.

Models are available from 2400 W to 8000 W. Please contact ARCTIKO for more information and help in choosing the correct converter for your product.

**ITEM NO.**  
DAI 0966 (for ULUF P390GG)  
DAI 0967 (for ULUF P500GG)  
DAI 0968 (for ULUF P610GG)  
DAI 0969 (for ULUF P820GG)



### RFID CardLock

Arctiko's RFID CardLock reader enables quick access to the freezer through personalized cards. Easily records the overview of the freezer's door openings and the time of the openings as well. Thereby, it adds another level of security monitoring with only authorized users.

**ITEM NO.**  
DAI 0955  
(Libero Te1-P)



### DATA LOGGER

The data logger is a simple and safe electronic device that will record the internal temperature of the equipment over time with an external or internal sensor.

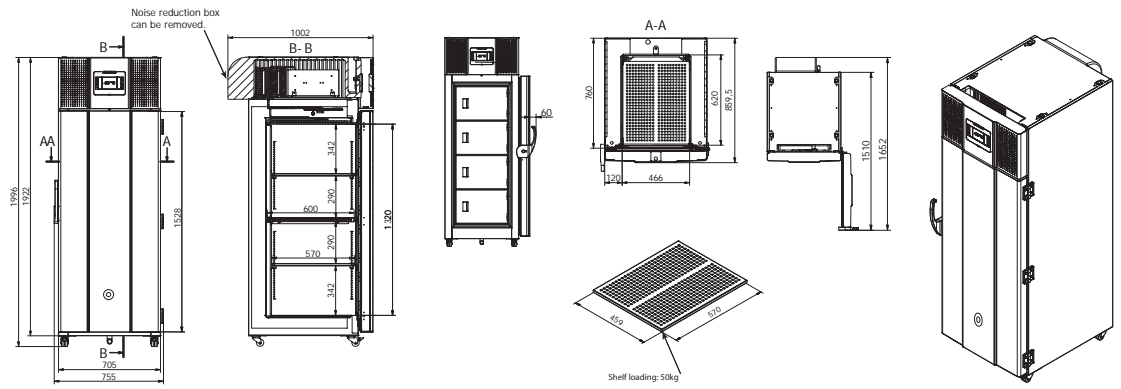
The data logger can automatically collect data on a 24-hour basis in an automatically generated multilevel PDF report. It can easily be adjusted to the desired alarm limits and is available in various models with a range from -200 °C to +200 °C.

It's fully compliant with ISO standard 19005-1 Document Management industry guidelines for the long-term preservation of electronic documents (PDF/A) and FDA 21 CFR Part 11.

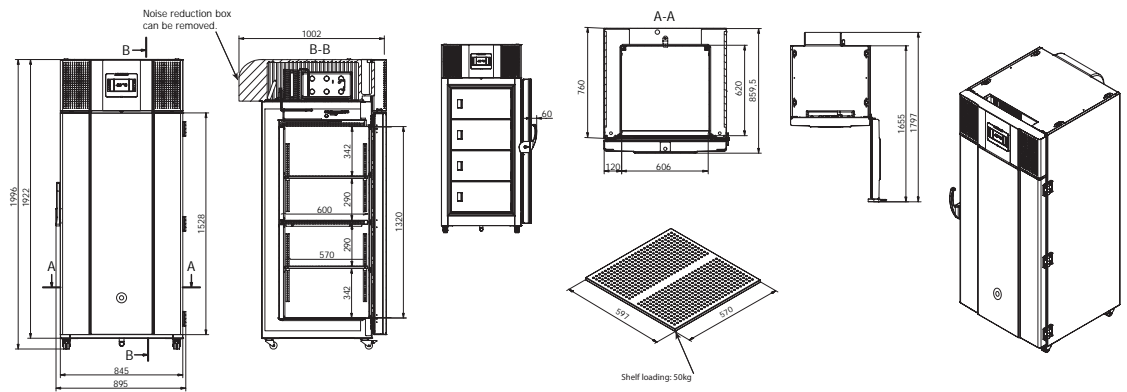


# DIMENSION DRAWING

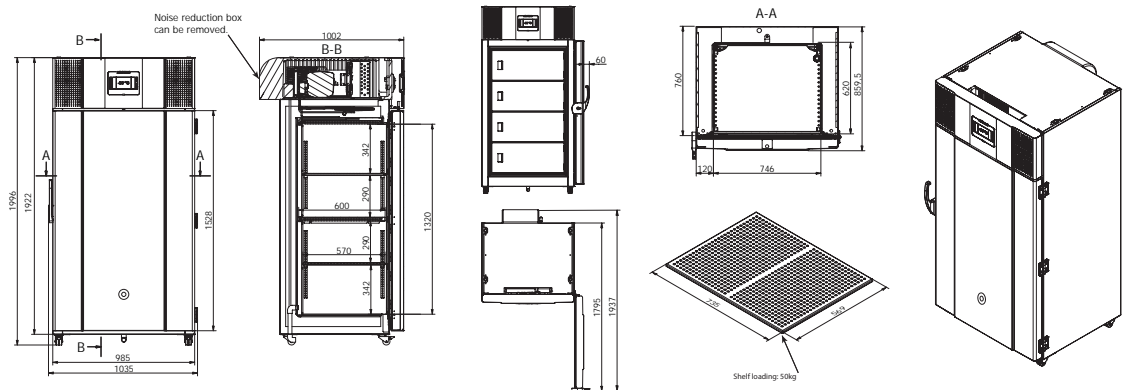
**ULUF P390GG**  
DAI 1835



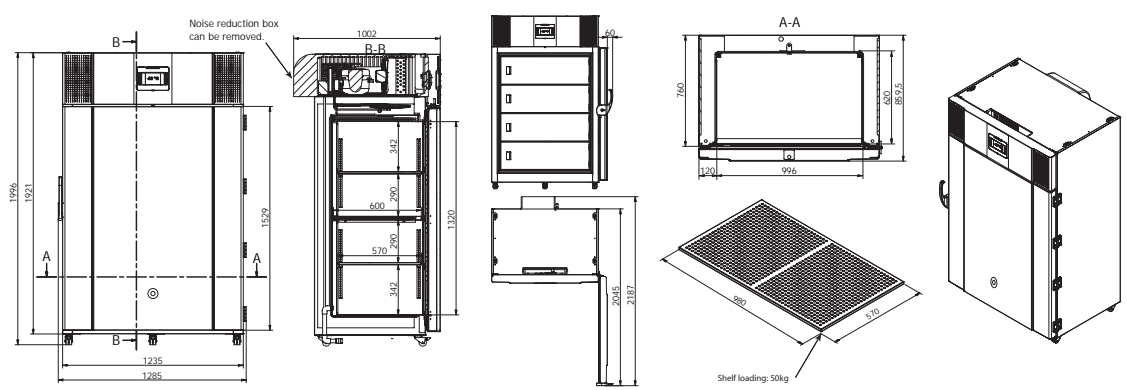
**ULUF P500GG**  
DAI 1840



**ULUF P610GG**  
DAI 1845



**ULUF P820GG**  
DAI 1850

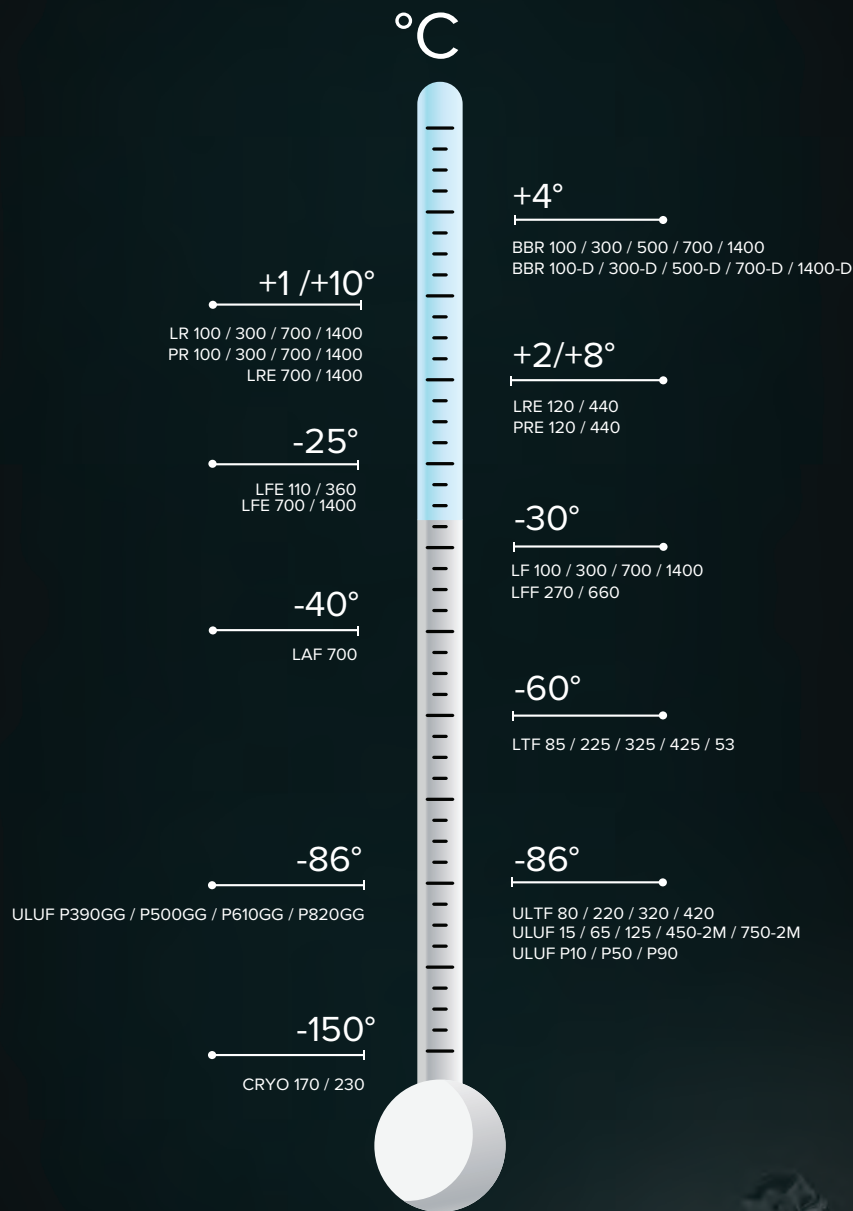


# TECHNICAL DATA

MODEL	ULUF P390GG	ULUF P500GG	ULUF P610GG	ULUF P820GG	
Main specifications	Item code	DAI 1835	DAI 1840	DAI 1845	DAI 1850
	Temperature range (°C)	-40 / -86	-40 / -86	-40 / -86	-40 / -86
	Max. ambient temperature (°C)	32	32	32	32
	Capacity (L)	385	500	614	819
	Exterior dimensions WxDxH (mm)	755x859,5/1002*x1999	895x859,5/1002*x1999	1035x859,5/1002*x1999	1285x859,5/1002*x1999
	Interior dimensions WxDxH (mm)	466x620x1320	606x620x1320	746x620x1320	996x620x1320
	Weight (KG)	217	233	247	275
	Insulation (mm)	120	120	120	120
	Cooling technology	dual system / static	dual system / static	dual system / static	dual system / static
	Controller model / probe type	V700 / PT100	V700 / PT100	V700 / PT100	V700 / PT100
Power	Power supply (V)	230	230	230	230
	Frequency (Hz)	50/60	50/60	50/60	50/60
	Power consumption (kWh/24h)	10,6	12,4	13,5	17,3
	AMP (A)	8,6	8,7	8,9	10,3
	Power (Watt)	1250	1320	1540	1550
	Horse power (HP)	2 x 3/4	2 x 3/4	2 x 3/4	2 x 3/4
Alarm functions	Alarm display as text - not codes	yes	yes	yes	yes
	Visual / acoustic alarm	yes / yes	yes / yes	yes / yes	yes / yes
	Power failure alarm	yes	yes	yes	yes
	Adjustable high / low temperature alarm	yes / yes	yes / yes	yes / yes	yes / yes
	Open door alarm	yes	yes	yes	yes
	Probe failure alarm	yes	yes	yes	yes
	Low battery alarm	yes	yes	yes	yes
	Compressor failure alarm	yes	yes	yes	yes
Data logging & external connection	Battery backup for alarms (approx. hrs.)	72	72	72	72
	Voltage free contact for remote alarm (e.g. GSM alarm module)	yes	yes	yes	yes
	Electronic data logger	yes	yes	yes	yes
	RS 485 port	optional	optional	optional	optional
	USB port for software update & data download	yes	yes	yes	yes
Display features	Temperature chart recorder	optional (external mounting)	optional (external mounting)	optional	optional
	Display type	7" touch screen	7" touch screen	7" touch screen	7" touch screen
	Number of optional reference probes	0 (1 reference probe included as standard)	0 (1 reference probe included as standard)	0 (1 reference probe included as standard)	0 (1 reference probe included as standard)
	Password protection for turning unit on / off	yes	yes	yes	yes
Other features	Temperature graph on display	yes	yes	yes	yes
	Automatic defrost	no	no	no	no
	Antifreeze function	no	no	no	no
	Vacuum release port	yes	yes	yes	yes
	Access port for external probe etc. (int. diameter mm)	12	12	12	12
	Light	yes	yes	yes	yes
	Lock with key	yes	yes	yes	yes
	Castors (total pcs) / castors with brake (pcs)	4 / 2	4 / 2	4 / 2	5 / 2
	Fixed feet (pcs) / levelling feet (pcs)	no	no	no	no
	Sub lids / inner doors (pcs)	4	4	4	4
	Reversible door(s)	no	no	no	no
	Fixed shelves (pcs) / adjustable shelves (pcs)	1 / 2	1 / 2	1 / 2	1 / 2
	Max. no. of shelves (pcs) / recommended max. no. of shelves (pcs)	5 / 5	5 / 5	5 / 5	5 / 5
	Max. load per shelf (kg)	50	50	50	50
	Baskets (pcs)	no	no	no	no
Refrigeration & cabinet	Total capacity of 50 mm boxes 9x9 dividers (pcs)	264	352	440	616
	Total capacity of 75 mm boxes 9x9 dividers (pcs)	168	224	280	392
	Total capacity of 96 mm boxes 9x9 dividers (pcs)	120	160	200	280
	Number of compressors	2	2	2	2
	Refrigerant	GG20	GG20	GG20	GG20
	Interior cabinet material	stainless steel	stainless steel	stainless steel	stainless steel
	Exterior cabinet material	painted steel	painted steel	painted steel	painted steel
	Colour (exterior cabinet)	white	white	white	white
	Foam type	polyurethane	polyurethane	polyurethane	polyurethane
	VIP vacuum insulated panels	yes	yes	yes	yes
Shipping	Shipping weight (KG)	343	366	387	427
	Shipping dimensions WxDxH (cm)	87x127x225	101x127x225	115x127x225	141x127x225
	Shipping volume (m <sup>3</sup> )	2,49	2,89	3,29	4,03

\*Depth of 1002 or 1999 mm includes distance fittings on back for correct air circulation

## PRODUCT OVERVIEW



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