ARCTIKO

The art of simplicity®

# ULTRA LOW TEMPERATURE FREEZERS, -86ºC

*Upright & chest freezers*

ULTRA LOW FREEZERS - LABORATORY, PHARMACEUTICAL AND MEDICAL REFRIGERATION

# SCANDINAVIAN DESIGN AND ULTIMATE PERFORMANCE TECHNOLOGY

Arctiko is probably the most innovative cold chain manufacturer in the world. We have an absolute passion for what we do. Our aim is to create products with technological foresight and to be competive in quality and prices. We have experienced a tremendous growth in the last few years, not only in the field of research for best solutions, but also due to our easy and accessible servicing. We are confident that our concepts and ways of working are the reasons for our success. We are convinced that we can become the global market leader in the life science segment, because we have the courage to think big and new, and we are proud to be a manufacturing service company which put the customer in focus, and together, try to find custom made solutions that work. More than 100 countries all over the world are choosing to distribute our products because we are committed to use our knowledge and initiatives.

We enjoy making a difference, not only with the single compressor technology, but also with our dedication in creating the best for both our customers and the environment: we now have one of the largest ranges of freezers in the world with the lowest energy consumption.

Arctiko is the art of simplicity, because creating solutions for you, is that simple.

# COST OF OWNERSHIP

It is a simple thing to make a cost of ownership analysis, and the Arctiko sales team is ready to provide you with the tool for this.

**Taking into consideration that:**

1 You save **40-50%** energy by using our patented single compressor system

2 You save **a similar** percentage on your air-conditioning due to the lower heat dissipation

3 You have the easiest and less expensive service and maintenance **without comparison**

It is a fact that within a couple of years, the buying price of the freezer is saved in energy cost. And at the same time, you are more environmentally friendly!

**Please ask you local dealer for help or contact the Arctiko team for more information.**

# ARCTIKO CONTROLLER

At Arctiko we have the customer in mind when engineering new technologies. With the large temperature display and the most user friendly controls on the market, Arctiko has once again managed to turn simplicity into an art. With every possible alarm feature, integrated data logger, contact for remote monitoring, RS485/RS232 interface and USB read out, Arctiko has the smartest controller available, and of course, all these features come as standard on our units which are produced with the Arctiko controller.

## CONTROLLER FREATURES

### All standard features

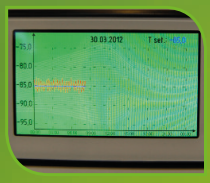
- Micro processor controller with digital display
- Approx. 72 hours battery back up for alarms, loggings and temperature display in case of power cut
- Prepared for GSM alarm
- Prepared for connection of 2 additional probes
- Auto cycle in case of probe failure
- Ambient temperature display
- Direct 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

### All data logging features

- Integrated data logger
- RS485/RS232 Interface
- Integrated memory for 30 years

### All alarm features

- 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



1 Temperature graph on the screen.

2 Display text available in different languages.

3 Software upload and data download via USB stick.

# ISO CERTIFICATES

Arctiko uses the ISO 9001 standard in all business processes within the R&D, Sales, Marketing, manufacturing and with continuous monitoring and optimization of business processes and manufacturing methods. This ensures that Arctiko, not only in the commercial, but in all areas will meet our customers expectations/demands in communications, documentations, deliveries & administration.

For Arctiko the ISO 13485 is a quality management system to ensure that our products meets the EU directive 93/42/EEC for medical devices. Class I devices are approved by Arctiko, whereas Class II equipment must be approved by an external certification company. For both classes Arctiko prepared a Technical File which verified that the equipment meets the essential requirement of EU directive 93/42/EEC for medical devices & CE marking.
This ensures that Arctiko's customers at any time can trust our statements of high quality when choosing Arctiko products whic are classified as Class I & II for medical devices.

# ULUF RANGE

*Ultra Low Temperature Upright Freezer*

The ULUF -86°C range are products of our passion, striving after excellence when we offer the best in ultra low temperature freezing. Once again, we set new standards with the most user friendly controller in the market. All features such as alarms and data logging functions are always included as standard. This range consists of 9 different models starting from a volume of 7 L. up to 826 L. To facilitate the installation of your freezer, the ULUF 450 and ULUF 850 are now also available with an exterior height of only 2 meters. The ULUF -86°C series is produced with the true and original single compressor technology.

AVAILABLE IN STAINLESS STEEL

**Net capacity**
7 L

## ULUF 15

| | |
|---|---|
| Temperature | **-90°C** |
| Net capacity | **7 L** |

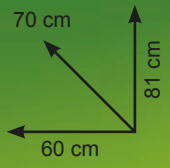
5 pcs. 50 mm boxes

**Net capacity**
54 L

## ULUF 65

| | |
|---|---|
| Temperature | **-86°C** |
| Net capacity | **54 L** |

30 pcs. 50 mm boxes

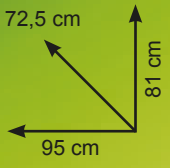


**Net capacity**
106 L

## ULUF 125

| | |
|---|---|
| Temperature | **-86°C** |
| Net capacity | **106 L** |

48 pcs. 50 mm boxes




www.arctiko.com

ULUF RANGE

# ARCTIKO CONTROLLER

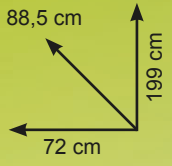
At Arctiko we have the customer in mind when engineering new technologies. With the large temperature display and the most user friendly controls on the market, Arctiko has once again managed to turn simplicity into an art. With every possible alarm feature, integrated data logger, contact for remote monitoring, RS485/RS232 interface and USB read out, Arctiko has the smartest controller available, and of course, all these features come as standard on our units which are produced with the Arctiko controller.

Net capacity
393 L

## ULUF 450-2M

| | |
|---|---|
| Temperature | -86°C |
| Net capacity | 393 L |

240 pcs. 50 mm boxes

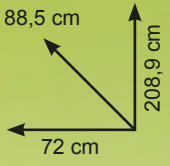


Net capacity
413 L

## ULUF 450

| | |
|---|---|
| Temperature | -86°C |
| Net capacity | 413 L |

252 pcs. 50 mm boxes

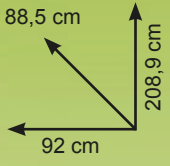


Net capacity
585 L

## ULUF 550

| | |
|---|---|
| Temperature | -86°C |
| Net capacity | 585 L |

336 pcs. 50 mm boxes




www.arctiko.com

ULUF RANGE

CO2CARE

## $CO_2$ CARE

The climate changes are the cause of major concerns nowadays in the world, and the CO2 emissions are the main factor of the global warming. If they are not reduced, the environment may suffer irreversible consequences. Everyone has to take more responsibility and make a difference. At ARCTIKO, we are dedicated in finding the most energy efficient systems to reduce your energy costs and also be responsible for the environment.

AVAILABLE IN STAINLESS STEEL

Net capacity
680 L

## ULUF 750

| | |
|---|---|
| Temperature | -86°C |
| Net capacity | 680 L |

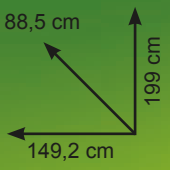
240 pcs. 50 mm boxes

Net capacity
786 L

## ULUF 850-2M

| | |
|---|---|
| Temperature | -86°C |
| Net capacity | 786 L |

480 pcs. 50 mm boxes

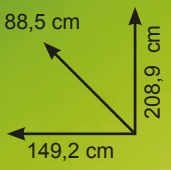


Net capacity
826 L

## ULUF 850

| | |
|---|---|
| Temperature | -86°C |
| Net capacity | 826 L |

504 pcs. 50 mm boxes




ARCTIKO

www.arctiko.com

ARCTIKO

ULUF RANGE

| Model | ULUF 15 | ULUF 65 | ULUF 125 | ULUF 450-2M | ULUF 450 |
|---|---|---|---|---|---|
| Dimensions exterior WxDxH (mm) | 400x630x665 | 600x700x810 | 950x725x810 | 720x885x1990 | 720x885x2089 |
| Capacity (L) | 7 | 54 | 106 | 393 | 413 |
| Dimensions interior WxDxH (mm) | 150x630x665 | 360x468x320 | 360x493x600 | 480x608x1345 | 480x608x1415 |
| Temperature range (˚C) | -90 / -40 | -86 / -40 | -86 / -40 | -86 / -40 | -86 / -40 |
| Power supply (V) / Frequency (Hz) | 230 - 50/60 | 230 - 50/60 | 230 - 50/60 | 230 - 50/60 | 230 - 50/60 |
| No. of compressors | 1 | 1 | 1 | 1 | 1 |
| Visual / Acoustic alarm | Yes | Yes | Yes | Yes | Yes |
| Power failure alarm | Yes | Yes | Yes | Yes | Yes |
| Adjustable high/low temperature alarm | Yes | Yes | Yes | Yes | Yes |
| Open door alarm | Yes | Yes | Yes | Yes | Yes |
| Probe failure alarm | Yes | Yes | Yes | Yes | Yes |
| Alarm display as text – not codes | Yes | Yes | Yes | Yes | Yes |
| Contact for remote alarm | Yes | Yes | Yes | Yes | Yes |
| Prepared for GSM alarm module | Yes | Yes | Yes | Yes | Yes |
| Approx. hrs. of battery back up for alarms and temperature display in the event of power cut | 72 hours | 72 hours | 72 hours | 72 hours | 72 hours |
| Porthole for installation of PT100/$CO_2$ back up | No | No | No | No | No |
| Digital display | Yes | Yes | Yes | Yes | Yes |
| Data logger | Yes | Yes | Yes | Yes | Yes |
| RS 232 interface | Yes | Yes | Yes | Yes | Yes |
| RS 485 interface | Yes | Yes | Yes | Yes | Yes |
| USB | Yes | Yes | Yes | Yes | Yes |
| Defrost manual / auto | Manual | Manual | Manual | Manual | Manual |
| Castors | No | No | No | Yes | Yes |
| Lighting | No | No | No | Yes | Yes |
| Lock | Yes | Yes | Yes | Yes | Yes |
| Inner liner material | Stainless steel | Stainless steel | Stainless steel | Stainless steel | Stainless steel |
| Cabinet material | Varnished steel / stainless steel * | Varnished steel / stainless steel * | Varnished steel / stainless steel * | Varnished steel / stainless steel * | Varnished steel / stainless steel * |

| Model | ULUF 550 | ULUF 750 | ULUF 850-2M | ULUF 850 |
|---|---|---|---|---|
| Dimensions exterior WxDxH (mm) | 920x885x2089 | 1030x885x2089 | 1492x885x1990 | 1492x885x2089 |
| Capacity (L) | 585 | 680 | 786 | 826 |
| Dimensions interior WxDxH (mm) | 680x608x1415 | 790x608x1415 | 2x: 480x608x1345 | 2x: 480x608x1415 |
| Temperature range (˚C) | -80 / -40 | -86 / -40 | -86 / -40 | -86 / -40 |
| Power supply (V) / Frequency (Hz) | 230 - 50/60 | 230 - 50/60 | 230 - 50/60 | 230 - 50/60 |
| No. of compressors | 1 | 2 | 2 | 2 |
| Visual / Acoustic alarm | Yes | Yes | Yes | Yes |
| Power failure alarm | Yes | Yes | Yes | Yes |
| Adjustable high/low temperature alarm | Yes | Yes | Yes | Yes |
| Open door alarm | Yes | Yes | Yes | Yes |
| Probe failure alarm | Yes | Yes | Yes | Yes |
| Alarm display as text – not codes | Yes | Yes | Yes | Yes |
| Contact for remote alarm | Yes | Yes | Yes | Yes |
| Prepared for GSM alarm module | Yes | Yes | Yes | Yes |
| Approx. hrs. of battery back up for alarms and temperature display in the event of power cut | 72 hours | 72 hours | 72 hours | 72 hours |
| Porthole for installation of PT100/$CO_2$ back up | Yes | Yes | Yes | Yes |
| Digital display | Yes | Yes | Yes | Yes |
| Data logger | Yes | Yes | Yes | Yes |
| RS 232 interface | Yes | Yes | Yes | Yes |
| RS 485 interface | Yes | Yes | Yes | Yes |
| USB | Yes | Yes | Yes | Yes |
| Defrost manual / auto | Manual | Manual | Manual | Manual |
| Castors | Yes | Yes | Yes | Yes |
| Lighting | Yes | Yes | Yes | Yes |
| Lock | Yes | Yes | Yes | Yes |
| Inner liner material | Stainless steel | Stainless steel | Stainless steel | Stainless steel |
| Cabinet material | Varnished steel / Stainless steel * | Varnished steel / Stainless steel * | Varnished steel / Stainless steel * | Varnished steel / Stainless steel * |

* Optional, please contact us
We reserve the right to change specifications without notice and subject to errors.

# ULTF SERIES

*Ultra low temperature chest freezers*

The ULTF range shows that high performance freezing with focus on low energy consumption is the future. The range has been updated with our advanced Arctiko controller which ensures that all alarm and data logging features are included as standard. The ULTF range is produced with the true and original single compressor technology which ensures the lowest noise level available.

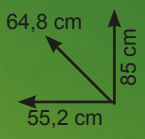
NOW WITH ARCTIKO CONTROLLER

Net capacity
71 L

## ULTF 80

| | |
|---|---|
| Temperature | -86°C |
| Net capacity | 71 L |

40 pcs. 50 mm boxes



Net capacity
189 L

## ULTF 220

| | |
|---|---|
| Temperature | -86°C |
| Net capacity | 189 L |

117 pcs. 50 mm boxes

Net capacity
284 L

## ULTF 320

| | |
|---|---|
| Temperature | -86°C |
| Net capacity | 284 L |

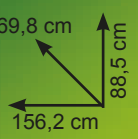
216 pcs. 50 mm boxes

Net capacity
386 L

## ULTF 420

| | |
|---|---|
| Temperature | -86°C |
| Net capacity | 386 L |

282 pcs. 50 mm boxes

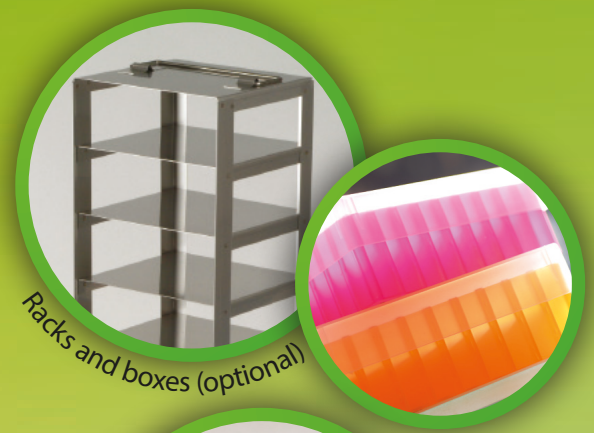



www.arctiko.com

ULTF SERIES

| Model | ULTF 80 | ULTF 220 | ULTF 320 | ULTF 420 |
|---|---|---|---|---|
| Dimensions exterior WxDxH (mm) | 552x648x850 | 920x695x885 | 1262x698x885 | 1562x698x885 |
| Capacity (L) | 71 | 189 | 284 | 368 |
| Dimensions interior WxDxH (mm) | 390x390x450 | 760x440x635 | 1100x440x630 | 1400x440x630 |
| Temperature range (˚C) | -84 / -40 | -86 / -40 | -86 / -40 | -86 / -40 |
| Power supply (V) / Frequency (Hz) | 230 - 50/60 | 230 - 50/60 | 230 - 50/60 | 230 - 50/60 |
| No. of compressors | 1 | 1 | 1 | 1 |
| Visual / Acoustic alarm | Yes | Yes | Yes | Yes |
| Power failure alarm | Yes | Yes | Yes | Yes |
| Adjustable high/low temperature alarm | Yes | Yes | Yes | Yes |
| Open door alarm | Yes | Yes | Yes | Yes |
| Probe failure alarm | Yes | Yes | Yes | Yes |
| Alarm display as text - not codes | Yes | Yes | Yes | Yes |
| Contact for remote alarm | Yes | Yes | Yes | Yes |
| Prepared for GSM alarm module | Yes | Yes | Yes | Yes |
| Approx. hrs. of battery back up for alarms and temperature display in the event of power cut | 72 hours | 72 hours | 72 hours | 72 hours |
| Porthole for installation of PT100/$CO_2$ back up | Yes | Yes | Yes | Yes |
| Digital display | Yes | Yes | Yes | Yes |
| Data logger | Yes | Yes | Yes | Yes |
| RS 232 interface | Yes | Yes | Yes | Yes |
| RS 485 interface | Yes | Yes | Yes | Yes |
| USB | Yes | Yes | Yes | Yes |
| Defrost manual / auto | Manual | Manual | Manual | Manual |
| Castors | No | Yes | Yes | Yes |
| Lighting | No | No | No | No |
| Lock | Yes | Yes | Yes | Yes |
| Inner liner material | Varnished steel | Varnished steel | Varnished steel | Varnished steel |
| Cabinet material | White | White | White | White |

* Optional, please contact us
We reserve the right to change specifications without notice and subject to errors.



ISO 9001:2008 CERTIFICATION

EN ISO 13485:2012 CERTIFICATION

# ARCTIKO

The art of simplicity®

www.arctiko.com