



# ARCTIKO

The art of simplicity®

## BIOMEDICAL REFRIGERATORS

ULTRA LOW FREEZERS - LABORATORY, PHARMACEUTICAL AND MEDICAL REFRIGERATION



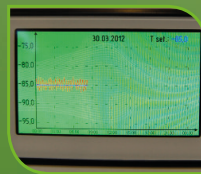
# ARCTIKO CONTROLLER

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



1 Temperature graph on the screen.



2 Display text available in different languages.



3 Software upload and data download via USB stick.

### 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

## 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 which are classified as Class I & II for medical devices.





# LR RANGE

Biomedical Refrigerator



Net capacity  
**94 L**



Net capacity  
**346 L**



Net capacity  
**515 L**

## LR 100

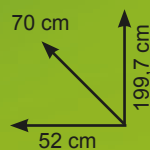
Temperature **+1 / +10 °C**  
Net capacity **94 L**



Net capacity  
**618 L**

## LR 300

Temperature **+1 / +10 °C**  
Net capacity **346 L**



Net capacity  
**1361 L**

## LR 500

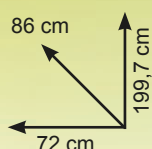
Temperature **+1 / +10 °C**  
Net capacity **515 L**



Our LR range offers high temperature uniformity and stability and is produced with attention to details as well as user friendly features. It is available with different capacities and offers you the best in technology and reliability.

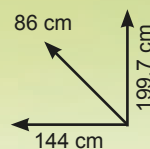
## LR 700

Temperature **+1 / +10 °C**  
Net capacity **618 L**



## LR 1400

Temperature **+1 / +10 °C**  
Net capacity **1361 L**



**BIOMEDICAL  
REFRIGERATOR**

# PR RANGE

Biomedical Refrigerator, Glass door



Net capacity

94 L



Net capacity

352 L



Net capacity

523 L

## PR 100

Temperature +1 / +10°C

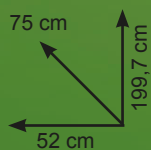
Net capacity 94 L



## PR 300

Temperature +1 / +10°C

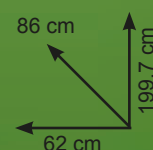
Net capacity 352 L



## PR 500

Temperature +1 / +10°C

Net capacity 523 L



Net capacity

628 L



Net capacity

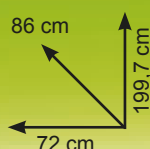
1381 L

The PR ranges offers a great overview of the stored items due to their glass door. The interior fan which creates airforced cooling ensures reliable and stable temperatures. The refrigerators are equipped with our advanced controller for maximum safety.

## PR 700

Temperature +1 / +10°C

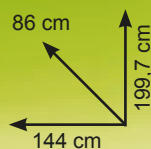
Net capacity 628 L



## PR 1400

Temperature +1 / +10°C

Net capacity 1381 L



BIOMEDICAL  
REFRIGERATOR

Model	LR 100	LR 300	LR 500	LR 700	LR 1400
Dimensions exterior WxDxH (mm)	610x659x790	520x700x1997	620x860x1997	720x860x1997	1440x860x1997
Net capacity (L)	94	346	515	618	1361
Dimensions interior WxDxH (mm)	490x440x434	400x575x1505	500x685x1505	600x685x1505	1320x685x1505
Temperature range (°C)	+1 / +10	+1 / +10	+1 / +10	+1 / +10	+1 / +10
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
Adjustable high/low temperature alarm	Yes	Yes	Yes	Yes	Yes
Probe failure alarm	Yes	Yes	Yes	Yes	Yes
Contact for remote alarm	Yes	Yes	Yes	Yes	Yes
Prepared for GSM alarm module	Yes	Yes	Yes	Yes	Yes
Porthole for installation of PT100/CO <sub>2</sub> back up	Yes	Yes	Yes	Yes	Yes
Digital display	Yes	Yes	Yes	Yes	Yes
Defrost manual / auto	Manual	Manual	Manual	Manual	Manual
Castors	Yes	Yes	Yes	Yes	No
Lighting	Yes	Yes	Yes	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	PR 100	PR 300	PR 500	PR 700	PR 1400
Dimensions exterior WxDxH (mm)	610x659x790	520x750x1997	620x860x1197	720x860x1997	1440x860x1997
Net capacity (L)	94	352	523	628	1381
Dimensions interior WxDxH (mm)	490x440x434	400x585x1505	500x695x1505	600x695x1505	1320x695x1505
Temperature range (°C)	+1 / +10	+1 / +10	+1 / +10	+1 / +10	+1 / +10
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
Adjustable high/low temperature alarm	Yes	Yes	Yes	Yes	Yes
Probe failure alarm	Yes	Yes	Yes	Yes	Yes
Contact for remote alarm	Yes	Yes	Yes	Yes	Yes
Prepared for GSM alarm module	Yes	Yes	Yes	Yes	Yes
Porthole for installation of PT100/CO <sub>2</sub> back up	Yes	Yes	Yes	Yes	Yes
Digital display	Yes	Yes	Yes	Yes	Yes
Defrost manual / auto	Manual	Manual	Manual	Manual	Manual
Castors	Yes	Yes	Yes	Yes	No
Lighting	Yes	Yes	Yes	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 *

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



www.arctiko.com



BIOMEDICAL  
REFRIGERATOR

Intertek

## Certificate of Registration



The following organization's Quality Management System has been assessed and registered by Intertek Certification AB as conforming to the requirements of

**ISO 9001:2008**

The conditions and extent of this certificate are stated in the decision report

Certificate Number  
15857

Initial Certification Date  
20 December 2007

Certificate Issue Date  
2 October 2012

Certificate Expiry Date  
8 December 2015



**ARCTIKO A/S**

**ARCTIKO**

Lammefjordsvej 5, 6715 Esbjerg N (Denmark)

The Quality Management System is applicable to:

Research, Development, Sales and Services of ultra low temperature freezers and laboratory refrigerators and freezers.

*Magnus Molin*

Magnus Molin, CEO  
Intertek Certification AB  
P.O Box 1103, S-164 22 Kista, Sweden

ISO 9001:2008 - Issue Date: 07/01/2007

## Certificate of Registration



The following organization's Quality Management System has been assessed and registered by Intertek Certification AB as conforming to the requirements of

**SS-EN ISO 13485:2012**

The conditions and extent of this certificate are stated in the decision report

Certificate Number  
02240

Initial Certification Date  
14 December 2010

Certificate Issue Date  
2 October 2012

Certificate Expiry Date  
8 December 2015



**ARCTIKO A/S**

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Lammefjordsvej 5, 6715 Esbjerg N (Denmark)

The Quality Management System is applicable to:

Research, Development, Sales and Services of ultra low temperature freezers and laboratory refrigerators and freezers.

*Magnus Molin*

Magnus Molin, CEO  
Intertek Certification AB  
P.O Box 1103, S-164 22 Kista, Sweden

ISO 13485:2012 - Issue Date: 07/01/2007



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