



# ARCTIKO

The art of simplicity®

## BIOMEDICAL FREEZERS

ULTRA LOW FREEZERS - LABORATORY, PHARMACEUTICAL AND MEDICAL REFRIGERATION



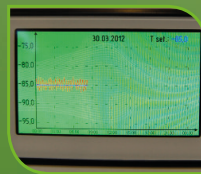
# ARCTIKO CONTROLLER

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.





# LF RANGE

## Biomedical Freezers



-30 / -10 °C

Net capacity  
**94 L**

### LF 100

Temperature **-30 / -10 °C**

Net capacity **94 L**



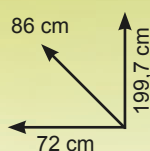
-30 / -10 °C

Net capacity  
**618 L**

### LF 700

Temperature **-30 / -10 °C**

Net capacity **618 L**



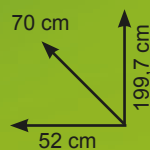
-30 / -10 °C

Net capacity  
**346 L**

### LF 300

Temperature **-30 / -10 °C**

Net capacity **346 L**



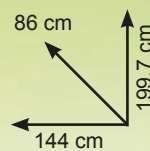
-30 / -10 °C

Net capacity  
**1361 L**

### LF 1400

Temperature **-30 / -10 °C**

Net capacity **1361 L**



-30 / -10 °C

Net capacity  
**515 L**

### LF 500

Temperature **-30 / -10 °C**

Net capacity **515 L**



Unite the latest technologies in one refrigerator: the Arctiko laboratory line is produced with attention to details and is user friendly. The LF range has many features which all come as standard and offers different sizes. No matter which product you choose, it is built after the same strict guideline



**BIOMEDICAL  
FREEZERS**

# PF RANGE

Biomedical Freezers, Glass door



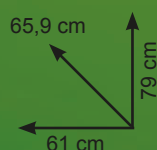
Net capacity

**94 L**

## PF 100

Temperature **-23 / -10°C**

Net capacity **94 L**



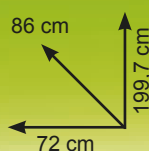
Net capacity

**628 L**

## PF 700

Temperature **-23 / -10°C**

Net capacity **628 L**



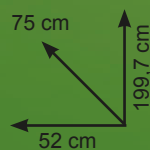
Net capacity

**352 L**

## PF 300

Temperature **-23 / -10°C**

Net capacity **352 L**



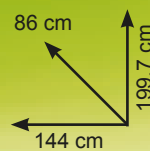
Net capacity

**1381 L**

## PF 1400

Temperature **-23 / -10°C**

Net capacity **1381 L**



Net capacity

**523 L**

## PF 500

Temperature **-23 / -10°C**

Net capacity **523 L**



With class and outstanding cooling performance, the glass door freezers from Arctiko allow the best overview of the inside of the units. The advanced Arctiko controller ensures reliable temperatures and is equipped with many alarms which all come as standard.



**BIOMEDICAL  
FREEZERS**

Model	LF 100	LF 300	LF 500	LF 700	LF 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)	-30 / -10	-30 / -10	-30 / -10	-30 / -10	-30 / -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	Auto	Auto	Auto	Auto	Auto
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	PF 100	PF 300	PF 500	PF 700	PF 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)	-23 / -10	-23 / -10	-23 / -10	-23 / -10	-23 / -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	Auto	Auto	Auto	Auto	Auto
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  
FREEZERS

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  
18837

Initial Certification Date  
20 December 2007

Certificate Issue Date  
2 October 2012

Certificate Expiry Date  
8 December 2013



**ARCTIKO A/S**

**ARCTIKO**

Lammofjordsvej 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 - 18837 - Issue Date: 07/10/2012

## 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 2013



**ARCTIKO A/S**

**ARCTIKO**

Lammofjordsvej 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 - 02240 - Issue Date: 07/10/2012



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