

CRYO 170/230

Cryogenic freezers -150°C

ARCTIKO has expanded the product portfolio with two new cryogenic freezers.

The CRYO range features a dual cooling system which consists of two independent systems offering double security.

In the unlikely event that one cooling system should fail, the second cooling system will maintain the freezer at -130°C.

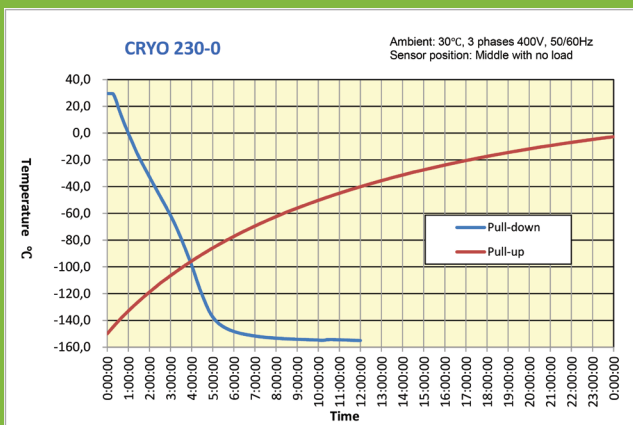
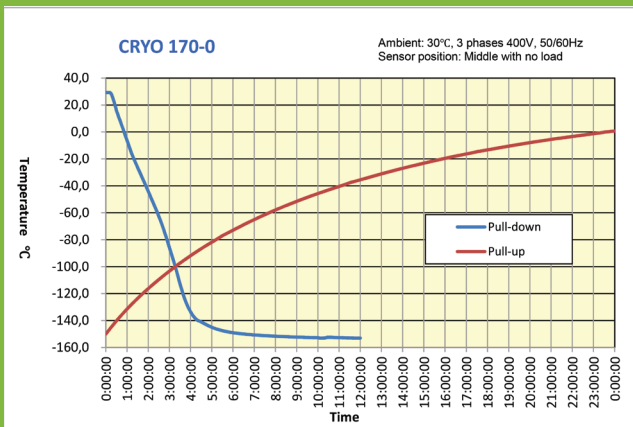
The cryogenic freezers offer a wide variety of research and long term storage applications for low temperature scientific experiments, preservations of cells, DNA, bone material, bacteria etc.



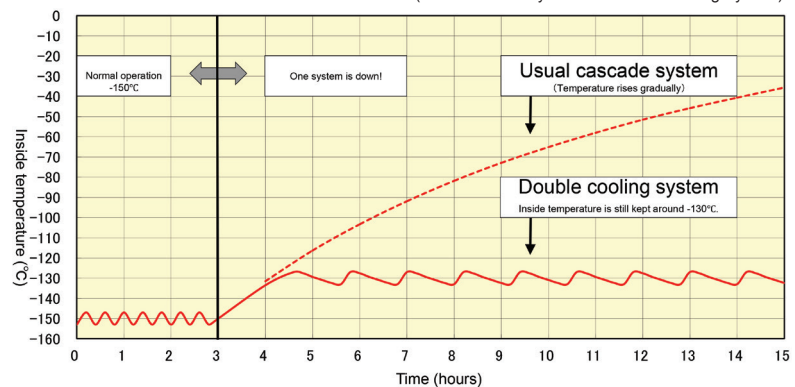
-150 °C

FEATURES

- Digital display
- Dual cooling system for double security
- Extremely low noise level
- Low energy consumption
- Visual and acoustic alarm
- High and low temperature alarm
- Power failure alarm
- Contact for remote alarm
- Temperature chart recorder
- Battery back up
- Porthole for external temperature probe
- LN₂ back up (optional)



Temperature rise when one system is down.
(Usual cascade system vs. Double-Cooling System)



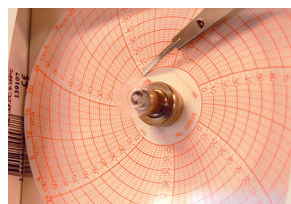
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The art of simplicity®

Technical specifications

Model	CRYO 170-0	CRYO 230-0
Item code	DAI 0195	DAI 0196
Dimensions exterior WxDxH (mm)	1420x960x1090	1600x960x1090
Net capacity (L)	169	230
Dimensions interior WxDxH (mm)	500x500x675	680x500x675
Insulation (mm)	170	170
Temperature range (°C)	-150 / -140	-150 / -140
Max. ambient temperature (°C)	30	30
Power supply (V)	400 V - 3 Phase $\frac{1}{2}$ *	400 V - 3 Phase $\frac{1}{2}$ *
Frequency (Hz)	50/60	50/60
Power consumption (KWH/24H)	29,7	32,1
Current (A)	5,0	5,0
Power (Watt)	2000	2000
Horse power (HP)	2 x 1,5	2 x 1,5
Weight (KG)	310	350
Shipping weight (KG)	538	563
Shipping dimensions WxDxH (mm)	1720x1220x1400	1900x1220x1400
No. of compressors.	2	2
Visual / Acoustic alarm	yes	yes
Power failure alarm	yes	yes
Adjustable high/low temperature alarm	yes	yes
Probe failure alarm	yes	yes
Contact for remote alarm	yes	yes
Prepared for GSM alarm module	yes	yes
Approx. hrs. of battery back up for alarms and temperature display in the event of power cut	72 hours	72 hours
Porthole for installation of PT100/LN ₂ back up	yes	yes
Digital display	yes	yes
Castors / with break in front	4/yes	4/yes
Chart recorder	yes	yes
Sub lids	1	1
Key lock	yes	yes
Inner liner material	stainless steel	stainless steel
Cabinet material	electro galv. Steel	electro galv. Steel
Colour (exterior)	ivory	ivory
Refrigerant	Mix	Mix
Foam agent	Polyurethane	Polyurethane

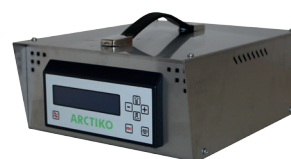
* Incl. transformer

Standard

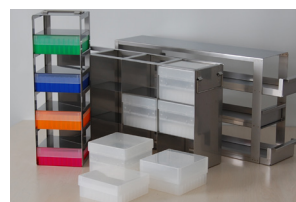


1 Chart recorder for documentation of the temperature condition over a certain period of time.

Optional



1 LN₂ back up system ensures optimized safety.



2 Racks and boxes are available in various sizes for optimal organization.



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



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



www.arctiko.com
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