ARCTIKO CRYO 230

true cooling specialists

-150°

HIGHLY RELIABLE CRYOGENIC FREEZER WITH INDEPENDENT TRUE DUAL^{LTM} TECHNOLOGY PROVIDES THE BEST SECURITY FOR YOUR SAMPLES.

The cryogenic freezer offers a wide variety of research and long-term storage application for ultra low temperature scientific experiments, preservation of cells, DNA, bone material & bacteria.

TRUE DUAL™ TECHNOLOGY

FILTERLESS CONSTRUCTION

REDUCED NOISE LEVEL

LOW ENERGY CONSUMPTION

▶ ENERGY EFFICIENT

Arctiko's CRYO 230 freezer only uses 33kwh/24h which is extremely low compared with competitors.

The independent TRUE DUAL™ technology ensures extremely low cost of ownership and noticeable impact on the runnings costs. Our CRYO is a superior alternative to LN2 based products, e.g. cryotanks. With no LN2 needed, it operates solely on a power supply which lowers the operating costs.

▶ SUPERIOR PERFORMANCE

The dual cooling system is designed to keep the unit at -150°C, and with only one cooling system active the unit is still able to achieve -130°C – with an outstanding uniformity of +/-3°C.

The TRUE DUAL™ technology makes sure that you are provided with the best and most secure and reliable cryogenic freezers with excellent temperature stability and superior performance.

▶ MOST SECURE CHOICE

Arctiko's CRYO freezer eliminates the cost of LN2 storage maintenance and avoids hazardous operation conditions.

Arctiko's CRYO freezers are specially developed to avoid cross contamination and to provide a more environmentally friendly economic alternative to the LN2 cryotanks. Choosing this CRYO you will have one of the most reliable freezers available in the market.

Reaches -150°C in less than 6 hours!
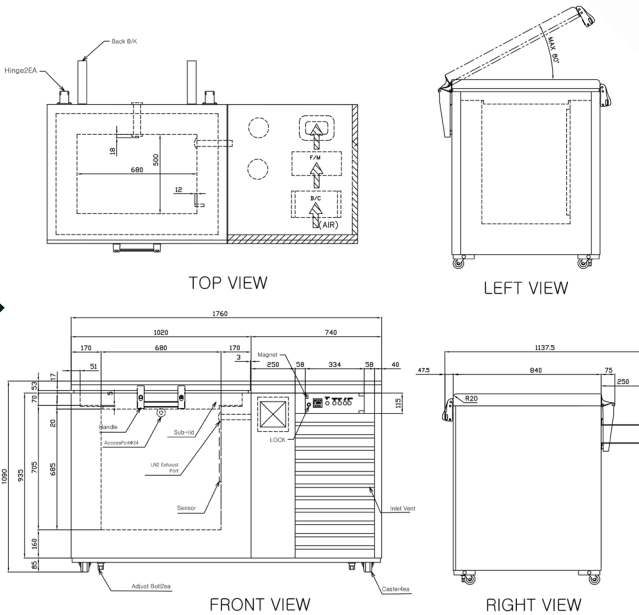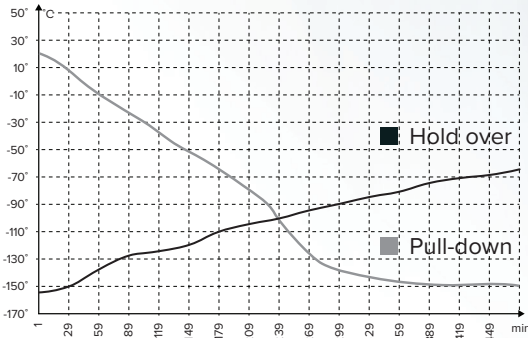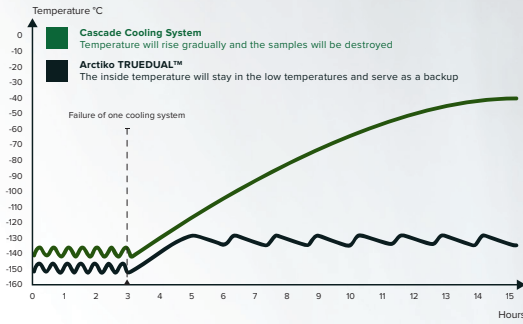
CRYO 230 ◀
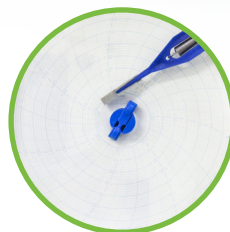
Temperature chart recorder for recording of temperature (optinal).

User-friendly controller with access to all the necessary functions.

Key lock is standard feature in our CRYO 230. Placed on handle for optimal security of your samples.

* The pictures shown are for reference only, actual product size may vary. Please read the dimensions of the product in the specifications.

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Temperature °C

Cascade Cooling System
Temperature will rise gradually and the samples will be destroyed

Arctiko TRUEDUAL™
The inside temperature will stay in the low temperatures and serve as a backup

Failure of one cooling system

Hours

■ Hold over

■ Pull-down

min

GO WITH TRUE DUAL™ COOLING TECHNOLOGY FOR **EXTRA SECURITY**

	MODEL	CRYO 230
Main specifications	Item code	DAI 0198
	Temperature range (˚C)	-140 / -150
	Max. ambient temperature (˚C)	30
	Capacity (L)	233
	Exterior dimensions WxDxH (mm)	1760x962,5/1137,5*x1090
	Interior dimensions WxDxH (mm)	680x500x685
	Weight (KG)	391
	Insulation (mm)	170
	Cooling technology	dual system / static
	Controller model / probe type	TTM-004 / PT100
Power	Power supply (V)	3 x 400
	Frequency (Hz)	50
	Power consumption (kWh/24h)	33.5
	AMP (A)	4.7
	Power (Watt)	2021
	Horse power (HP)	2 x 1 1/2
Alarm functions	Alarm display as text - not codes	no
	Visual / acoustic alarm	yes / yes
	Power failure alarm	yes
	Adjustable high / low temperature alarm	yes / yes
	Open door alarm	no
	Probe failure alarm	yes
	Low battery alarm	no
	Compressor failure alarm	no
	Battery backup for alarms (approx. hrs.)	48
Data logging & external connection	Voltage free contact for remote alarm (e.g. GSM alarm module)	yes
	Electronic data logger	no
	RS 485 port	no
	USB port for software update & data download	no
	Temperature chart recorder	yes
Display features	Display type	LED display
	Number of optional reference probes	no
	Password protection for turning unit on / off	no
	Temperature graph on display	no
Other features	Automatic defrost	no
	Vacuum release port	yes
	Access port for external probe etc. (int. diameter mm)	20
	Light	no
	Lock with key	yes
	Castors (total pcs) / castors with brake (pcs)	4 / 0
	Fixed feet (pcs) / levelling feet (pcs)	0 / 2
	Sub lids / inner doors (pcs)	2
	Reversible door(s)	no
	Fixed shelves (pcs) / adjustable shelves (pcs)	no
	Adjustable drawers (pcs)	no
	Baskets (pcs)	no
	Total capacity of 50 mm boxes 9x9 didviders (pcs)	144
	Total capacity of 75 mm boxes 9x9 didviders (pcs)	96
	Total capacity of 96 mm boxes 9x9 didviders (pcs)	72
Refrigeration & cabinet	Number of compressors	2
	Refrigerant	mix
	Interior cabinet material	stainless steel
	Exterior cabinet material	painted steel
	Colour (exterior cabinet)	ivory
	Foam type	polyurethane
	VIP vacuum insulated panels	no
Shipping	Shipping weight (KG)	563
	Shipping dimensions WxDxH (cm)	210x122x140
	Shipping volume (m³)	3,59

TOP VIEW

LEFT VIEW

FRONT VIEW

RIGHT VIEW

The ARCTIKO CRYO 230 supports following optional features:

■ LN2 backup
■ GSM alarm module
■ Racks & boxes
■ Cryo gloves

*Depth of 1135 mm includes distance fittings on back for correct air circulation.

Actual performance of products may vary upon various factors. All rights to this temperature mapping belong to Arctiko A/S. The drawing may not be copied nor presented to any other person without prior written consent of Arctiko A/S.