

ARCTIKO ULUF P820GG

true cooling specialists

ULTRA LOW TEMPERATURE | HIGHLY RELIABLE ULT FREEZER
WITH NATURAL REFRIGERANT

-40/-86°

The freezer comes with the extremely powerful independent **TRUE DUAL™** technology that keeps the samples protected at -70 °C if an unexpected failure occurred keeping you worry-free and the samples secured and safely guarded.

► EXTREMELY POWERFUL AND EFFICIENT COOLING

This model is characterized by the short pull down time of approx. 3 hours¹ indicating an exceptionally solid cooling system with robust insulation, due to the effective mixture of polyurethane and vacuum insulated panels.

Even with continuous door openings, it rapidly restores temperature uniformity creating a highly reliable environment that's not being affected by ambient temperature. Therefore, it is essentially defined by amazing temperature recovery properties.

¹ See below graph under "Improved recovery time".
Ambient temperature 32°C Freezer with no-load.

► ENVIRONMENTALLY FRIENDLY

Our natural refrigerants include extremely low ODP¹ and GWP² values of less than 4. Our tried and tested environmentally friendly CFC/HCFC free refrigerants guarantee potent and powerful system securing your valuable samples, but without compromising our Earth's safety in the process.

Even though they are environmentally friendly, they consume significantly less energy without compromising the cooling system, and making it cost effective as well.

Our environmentally-safe refrigerants share strong thermodynamic properties creating high performance along the way.

¹ Zero Ozone Depletion Potential
² Global Warming Potential

► ULTIMATE SAMPLE PROTECTION

This model is developed with our advanced and innovative technologies, including the very best components to secure first-rate performance.

Do not risk the safety of your samples due to the potential breakdown of your freezer. Having our **TRUE DUAL™** technology, you will avoid all the problems caused by an unexpected malfunction of the compressors. In the event of any failure on one of the cooling systems, the other system will still maintain the temperature of -70°C, meaning your valuable samples are stored with superior security all day and all night.



NATURAL
REFRIGERANT



ULUF P820GG*



TRUE DUAL™
TECHNOLOGY



ONEGRIP™
HANDLE



DIRECT
COOLING



VACUUM
INSULATED
PANELS



AIRFLOW
CONTROL

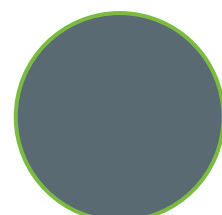


NOISE
REDUCTION
TECHNOLOGY



Extra insulated and durable inner doors. The inner doors will provide ultimate protection and more effective insulation when the doors open.

They are all effortlessly detachable to ease and speed up the cleaning process. They are opened independently to minimize sample exposure.



The modernized shelves in the new Integraline are perforated and easily adjustable, offering the best flexibility for your storage needs. Extra durable shelves with up to 50 kg.

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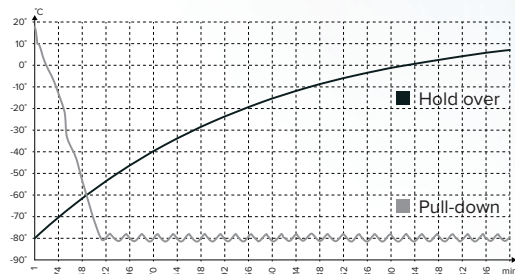
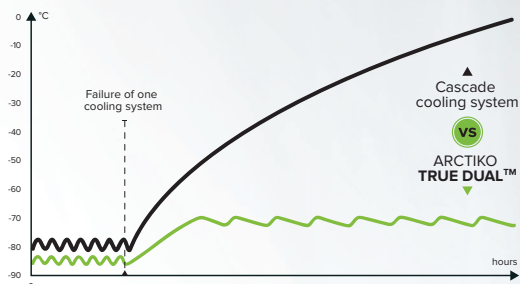
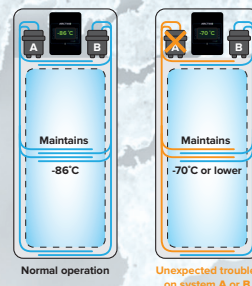
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<https://arctiko-nt-rt.ru/> || aoh@nt-rt.ru

◀ CASCADE VS ARCTIKO TRUE DUAL™ System

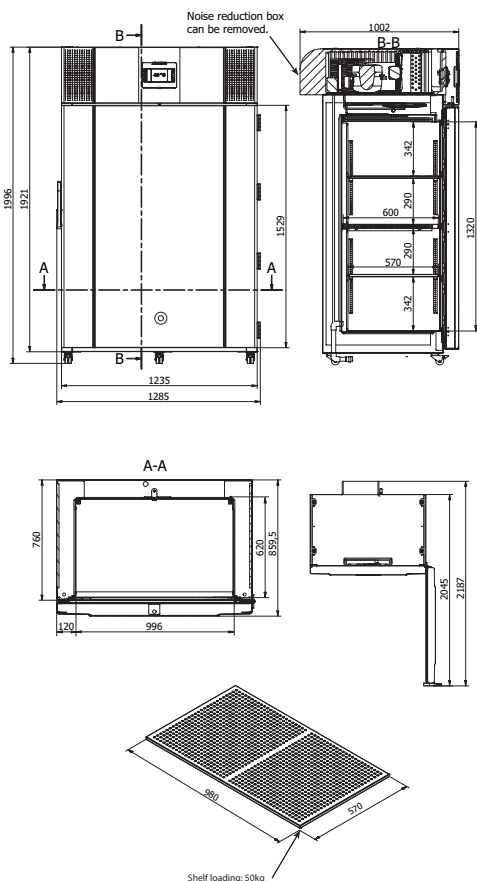
With a Cascade system (marked black ●) the temperature will rise gradually and the samples will be destroyed.

ARCTIKO's TRUE DUAL™ cooling system (marked green ●) will serve as a backup and the inside temperature will stay in the low temperatures



▲ IMPROVED RECOVERY TIMES

Pull-down times measures the time taken for temperature to rise, the faster the better. Hold over indication the freezers ability to keep the samples safe.



MODEL	ULUF P820GG
Item code	DAI 1850
Temperature range (°C)	-40 / -86
Max. ambient temperature (°C)	32
Capacity (L)	819
Exterior dimensions WxDxH (mm)	1285x859,5/1002"x1999
Interior dimensions WxDxH (mm)	996x620x1320
Weight (KG)	307
Insulation (mm)	120
Cooling technology	dual system / static
Controller model / probe type	V700 / PT100
Power supply (V)	230
Frequency (Hz)	50/60
Power consumption (kWh/24h)	17,3
AMP (A)	10,3
Power (Watt)	1550
Horse power (HP)	2 x 3/4
Alarm display as text - not codes	yes
Visual / acoustic alarm	yes / yes
Power failure alarm	yes
Adjustable high / low temperature alarm	yes / yes
Open door alarm	yes
Probe failure alarm	yes
Low battery alarm	yes
Compressor failure alarm	yes
Battery backup for alarms (approx. hrs.)	yes
Voltage free contact for remote alarm (e.g. GSM alarm module)	yes
Electronic data logger	yes
RS 485 port	optional
USB port for software update & data download	yes
Temperature chart recorder	optional
Display type	7" touch screen
Number of optional reference probes	0 (1 reference probe included as standard)
Password protection for turning unit on / off	yes
Temperature graph on display	yes
Automatic defrost	no
Vacuum release port	yes
Access port for external probe etc. (int. diameter mm)	12
Light	yes
Lock with key	yes
Castors (total pcs) / castors with brake (pcs)	5 / 2
Fixed feet (pcs) / levelling feet (pcs)	no
Sub lids / inner doors (pcs)	4
Reversible door(s)	no
Fixed shelves (pcs) / adjustable shelves (pcs)	1 / 2
Max. no. of shelves (pcs) / recommended max. no. of shelves (pcs)	5 / 5
Max. load per shelf (kg)	50
Total capacity of 50 mm boxes 9x9 dividers (pcs)	616
Total capacity of 75 mm boxes 9x9 dividers (pcs)	392
Total capacity of 96 mm boxes 9x9 dividers (pcs)	280
Max. capacity of samples in Arctiko 10x10 boxes (pcs)	61.600
Number of compressors	2
Refrigerant	GG20
Interior cabinet material	stainless steel
Exterior cabinet material	painted steel
Colour (exterior cabinet)	white
Foam type	polyurethane
VIP vacuum insulated panels	yes
Shipping weight (KG)	459
Shipping dimensions WxDxH (cm)	141x127x225
Shipping volume (m³)	4,03

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