ARCTIK® ULUF P610GG



ULTRA LOW TEMPERATURE I HIGHLY RELIABLE ULT FREEZER

WITH NATURAL REFRIGERANT

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 hours 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.

Don't ignore the huge risk of losing many years of your valuable research because of poor-quality laboratory







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.





DIRECT COOLING



VACUUM INSULATED PANELS

REDUCTION

TECHNOLOGY



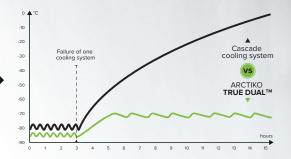


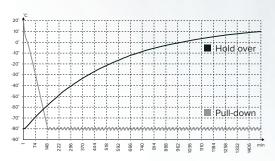


The modernized shelves in the new Integraline are perforated and easily adjustable, offering the best flexibility for your storage needs. Extra durable shelves with up to 50 kg.



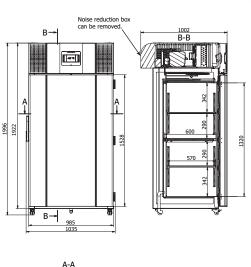
true cooling specialists

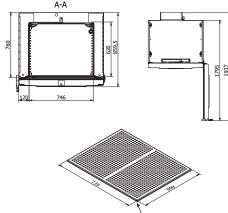




▲ IMPROVED RECOVERY TIMES

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.













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





	Maintains	
	-86°C	
N	dormal operation	on

	MODEL	ULUF P610GG
Main specifications	Item code	DAI 1845
	Temperature range (°C)	-40 / -86
	Max. ambient temperature (°C)	32
	Capacity (L)	614
	Exterior dimensions WxDxH (mm)	1035x859,5/1002*x1999
	Interior dimensions WxDxH (mm)	746x620x1320
	Weight (KG)	247
	Insulation (mm)	120
	Cooling technology	dual system / static
Power	Controller model / probe type	V700 / PT100
	Power supply (V)	230
	Frequency (Hz)	50/60
	Power consumption (kWh/24h)	13,5
	AMP (A)	8,9
	Power (Watt)	1540
	Horse power (HP)	2 x 3/4
	Alarm display as text - not codes	yes
Alarm functions	Visual / acoustic alarm	yes / yes
	Power failure alarm	yes
	Adjustable high / low temperature alarm	yes / yes
	Open door alarm	yes
	Probe failure alarm	yes
۹ ا	Low battery alarm	yes
	Compressor failure alarm	yes
	Battery backup for alarms (approx. hrs.)	72
	Voltage free contact for remote alarm (e.g. GSM alarm module)	yes
ging larl ion	Electronic data logger	yes
Data logging & external connection	RS 485 port	optional
Sata & e; conr	USB port for software update & data download	yes
	Temperature chart recorder	optional
	Display type	7" touch screen
Display features	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
tures	Lock with key	
	Castors (total pcs) / castors with brake (pcs)	yes 4/2
	Fixed feet (pcs) / levelling feet (pcs)	no
#		
r featu	Sub lids / inner doors (pcs) Poversible door(s)	4
Other featu	Reversible door(s)	по
Other features	Reversible door(s) Fixed shelves (pcs) / adjustable shelves (pcs)	no 1/2
Other featu	Reversible door(s) Fixed shelves (pcs) / adjustable shelves (pcs) Max. no. of shelves (pcs) / recommended max. no. of shelves (pcs)	no 1/2 5/5
Otherfeatu	Reversible door(s) Fixed shelves (pcs) / adjustable shelves (pcs) Max. no. of shelves (pcs) / recommended max. no. of shelves (pcs) Max. load per shelf (kg)	no 1/2 5/5 50
Otherfeatu	Reversible door(s) Fixed shelves (pcs) / adjustable shelves (pcs) Max. no. of shelves (pcs) / recommended max. no. of shelves (pcs) Max. load per shelf (kg) Total capacity of 50 mm boxes 9x9 didviders (pcs)	no 1/2 5/5 50 440
Other feat.	Reversible door(s) Fixed shelves (pcs) / adjustable shelves (pcs) Max. no. of shelves (pcs) / recommended max. no. of shelves (pcs) Max. load per shelf (kg) Total capacity of 50 mm boxes 9x9 didviders (pcs) Total capacity of 75 mm boxes 9x9 didviders (pcs)	no 1/2 5/5 50 440 280
Other featu	Reversible door(s) Fixed shelves (pcs) / adjustable shelves (pcs) Max. no. of shelves (pcs) / recommended max. no. of shelves (pcs) Max. load per shelf (kg) Total capacity of 50 mm boxes 9x9 didviders (pcs) Total capacity of 75 mm boxes 9x9 didviders (pcs) Total capacity of 96 mm boxes 9x9 didviders (pcs)	no 1/2 5/5 50 440 280 200
Other featu	Reversible door(s) Fixed shelves (pcs) / adjustable shelves (pcs) Max. no. of shelves (pcs) / recommended max. no. of shelves (pcs) Max. load per shelf (kg) Total capacity of 50 mm boxes 9x9 didviders (pcs) Total capacity of 75 mm boxes 9x9 didviders (pcs) Total capacity of 96 mm boxes 9x9 didviders (pcs) Max. capacity of samples in Arctiko 10x10 boxes (pcs)	no 1/2 5/5 50 440 280 200 44,000
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	Reversible door(s) Fixed shelves (pcs) / adjustable shelves (pcs) Max. no. of shelves (pcs) / recommended max. no. of shelves (pcs) Max. load per shelf (kg) Total capacity of 50 mm boxes 9x9 didviders (pcs) Total capacity of 75 mm boxes 9x9 didviders (pcs) Total capacity of 96 mm boxes 9x9 didviders (pcs) Max. capacity of samples in Arctiko 10x10 boxes (pcs) Number of compressors Refrigerant	no 1/2 5/5 50 440 280 200 44,000 2 GG20
	Reversible door(s) Fixed shelves (pcs) / adjustable shelves (pcs) Max. no. of shelves (pcs) / recommended max. no. of shelves (pcs) Max. load per shelf (kg) Total capacity of 50 mm boxes 9x9 didviders (pcs) Total capacity of 75 mm boxes 9x9 didviders (pcs) Total capacity of 96 mm boxes 9x9 didviders (pcs) Max. capacity of samples in Arctiko 10x10 boxes (pcs) Number of compressors Refrigerant Interior cabinet material	no 1/2 5/5 50 440 280 200 44,000 2 GG20 stainless steel
Refrigeration & cabinet	Reversible door(s) Fixed shelves (pcs) / adjustable shelves (pcs) Max. no. of shelves (pcs) / recommended max. no. of shelves (pcs) Max. load per shelf (kg) Total capacity of 50 mm boxes 9x9 didviders (pcs) Total capacity of 75 mm boxes 9x9 didviders (pcs) Total capacity of 96 mm boxes 9x9 didviders (pcs) Max. capacity of samples in Arctiko 10x10 boxes (pcs) Number of compressors Refrigerant Interior cabinet material Exterior cabinet material	no 1/2 5/5 50 440 280 200 44,000 2 GG20 stainless steel painted steel
	Reversible door(s) Fixed shelves (pcs) / adjustable shelves (pcs) Max. no. of shelves (pcs) / recommended max. no. of shelves (pcs) Max. load per shelf (kg) Total capacity of 50 mm boxes 9x9 didviders (pcs) Total capacity of 75 mm boxes 9x9 didviders (pcs) Total capacity of 96 mm boxes 9x9 didviders (pcs) Max. capacity of samples in Arctiko 10x10 boxes (pcs) Number of compressors Refrigerant Interior cabinet material Exterior cabinet material Colour (exterior cabinet)	no 1/2 5/5 50 440 280 200 44,000 2 GG20 stainless steel painted steel white
Refrigeration & cabinet	Reversible door(s) Fixed shelves (pcs) / adjustable shelves (pcs) Max. no. of shelves (pcs) / recommended max. no. of shelves (pcs) Max. load per shelf (kg) Total capacity of 50 mm boxes 9x9 didviders (pcs) Total capacity of 75 mm boxes 9x9 didviders (pcs) Total capacity of 96 mm boxes 9x9 didviders (pcs) Max. capacity of samples in Arctiko 10x10 boxes (pcs) Number of compressors Refrigerant Interior cabinet material Exterior cabinet material Colour (exterior cabinet) Foam type	no 1/2 5/5 50 440 280 200 44,000 2 GG20 stainless steel painted steel white polyurethane
	Reversible door(s) Fixed shelves (pcs) / adjustable shelves (pcs) Max. no. of shelves (pcs) / recommended max. no. of shelves (pcs) Max. load per shelf (kg) Total capacity of 50 mm boxes 9x9 didviders (pcs) Total capacity of 75 mm boxes 9x9 didviders (pcs) Total capacity of 96 mm boxes 9x9 didviders (pcs) Max. capacity of samples in Arctiko 10x10 boxes (pcs) Number of compressors Refrigerant Interior cabinet material Exterior cabinet material Colour (exterior cabinet) Foam type VIP vacuum insulated panels	no 1/2 5/5 50 440 280 200 44.000 2 GG20 stainless steel painted steel white polyurethane yes