

ARCTIKO ULUF P10

true cooling specialists

-40/-86*

ULTRA LOW TEMPERATURE | BENCHTOP / UNDERCOUNTER FREEZER

Highly reliable compact ULT freezer with a space-saving design and low GWP due to natural refrigerant.

► RELIABLE FREEZING

The single compressor technology provides reliable low-temperature freezing and high temperature uniformity.

The freezer can reach -86 °C with only one compressor because of the absolutely unique single compressor technology. With the direct cooling, you can successfully achieve maximum temperature uniformity and minimum recovery time.

All in all, outstanding cooling performance and ultra low GWP (Global Warming potential) due to the Natural Refrigerant.

► ONE OF A KIND

This compact ULUF P10 undercounter/benchtop model is the ideal solution for the smaller lab with limited floor space. It can store up to 500 samples, still maintaining a small footprint and reduced energy consumption, which saves money in operational costs.

The models are developed for demanding standards that need a precise and uniform temperature environment - ideal freezers for storage of DNA, RNA and other biological samples.

► ENERGY EFFICIENCY

The compact space-saving cabinet design guarantees a reduced footprint because of the Arctiko's specifically developed vacuum insulated panels, optimizing the freezer to increase energy efficiency and cooling performance.

The vacuum insulated panels are of a high-efficient quality that secures the lowest possible energy consumption. VIP panels combined with Arctiko's state-of-the-art single compressor technology provide a safe and high-quality ULT freezer.

NATURAL
REFRIGERANT



It includes a well-utilized inner compartment with room for up to 6000 samples. Its interior is made of the highly durable and robust stainless steel type AISI 304 for high sample safety and easy cleaning.



The unit is equipped with our brand new user-friendly 5" V500 controller that comes with the self-diagnostic test and ECO-mode reducing energy consumption while maintaining optimum temperature uniformly for the stored materials.



The Arctiko OneGrip™ handle is designed and developed for easy and ergonomic use. Daily operational routines can be performed with a smooth and easy one-handed door opening and closing experience.



SINGLE
COMPRESSOR
SYSTEM



VACUUM
INSULATED
PANELS



NOISE
REDUCTION
TECHNOLOGY



AIRFLOW
CONTROL

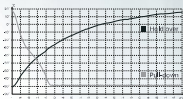


FILTERLESS
CONSTRUCTION



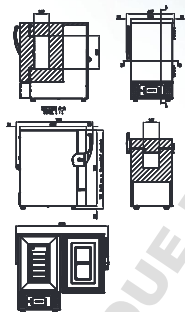
NATURAL
REFRIGERANT

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



▲ 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.

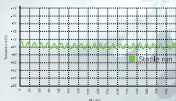


The ARCTIKO Integralne ULUF P10 Model supports following optional features:

- Modbus adapter for V500 controller
- Temperature chart recorder (external mounting)
- GSM alarm module
- Voltage converter
- Voltage stabilizer
- Racks & boxes
- Cryo gloves

ISO
ISO 9001:2015
Certification No. 18811

ISO
ISO 14001:2015
Certification No. 0039120474/02/008



	MODEL	ULUF P10	
Basic specifications	Freezer size	504 x 500	
	Temperature range (°C)	-60/-48	
	Max. ambient temperature (°C)	25	
	Capacity (L)	7	
	External dimensions (WxDxH) mm	443x705x737	
	Internal dimensions (WxDxH) mm	403x665x697	
	Weight (kg)	53	
	Evaporator class	E20	
	Control technology	Control system 11 years	
	Control Air cooled / cooler type	V500 / P1000	
Power	Power supply (V)	230	
	Frequency (Hz)	50/60	
	Power consumption (W) (W) (W)	6.0	
	APF (p.f.)	2.4	
	Power (kW)	0.25	
Energy efficiency	Energy efficiency class	A	
	Annual electricity consumption (kWh)	25.1 kWh	
	Energy efficiency class	A	
	Energy efficiency class	A	
	Energy efficiency class	A	
Data logging & communication	Modbus (RS-485) contact for external logging (GSM alarm module)	yes	
	External data logging	yes	
	RS-485 port	optional	
	USB port for software update & data download	yes	
	Temperature chart recorder	optional (external mounting)	
	Data & Alarm Outputs	Display type	7" touch screen
		Number of optional reference points	1
		Passive protection for tampering with an rail	yes
		Temperature graph on display	yes
	Other features	Automatic defrost	no
Anti-theft function		no	
Alarm and address port		yes	
Access point for external peripherals (incl. illuminator mod)		no	
Light		no	
Lock with key		yes	
Castors (200 x 80) (casters with brake (yes))		0/1 optional	
Front feet (yes) / leveling feet (yes)		0/1 0	
Top (yes) / lower door (yes)		no	
Sound (no) (optional)		no	
Internal features	Door closure cycle (optional) (optional) (yes)	0/1 0	
	Max. no. of shelves (incl. recommended max. no. of shelves (yes))	0/1 0	
	Max. load per shelf (kg)	0/1 0	
	Total capacity of 50 mm boxes (50) (divided) (yes)	5	
	Total capacity of 75 mm boxes (50) (divided) (yes)	4	
Shipping	Total capacity of 80 mm boxes (50) (divided) (yes)	3	
	Number of compressors	1	
	Refrigerant	None: 0	
	Isotope cabinet material	stainless steel	
	Isotope cabinet material	stainless steel	
Shipping	Isotope cabinet material	stainless steel	
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