ARCTIKO
true cooling specialists

ULUF P65 MV

-40°/-86°

ULTRA LOW TEMPERATURE | BENCHTOP / UNDERCOUNTER FREEZER
Designed for rigorous environments needing precise temperature regulation, this exceptionally reliable compact ULT freezer ensures your critical materials are stored securely and effectively.

▶ RELIABLE FREEZING

ARCTIKO's unique single compressor technology guarantees superior temperature uniformity and exceptional cooling performance, allowing you to concentrate on your research without worry. This compact ultra-low temperature (ULT) freezer not only facilitates easy access to samples but also offers flexible placement options in the workplace.

▶ GLOBAL COMPATIBILITY

The primary cable of this device is interchangeable, allowing it to be used globally. Switch between Schuko, NEMA, and UK plugs with ease. Additionally, there's no need for a transformer; the product is compatible with any voltage from 110V to 230V. It automatically adjusts its operation based on the voltage input.

▶ NATURAL REFRIGERANT

This device delivers exceptional cooling performance and is eco-friendly, boasting an ultra-low Global Warming Potential (GWP) of just 4. This excellent rating is achieved through the use of natural refrigerants, underscoring its minimal impact on global warming.

▶ AIR READY DESIGN

The ULUF P65MV is specifically engineered to contain less than 100g of refrigerant. This low gas volume enables the unit to be transported by air, significantly reducing lead times and allowing for easy global shipping.

▶ SINGLE COMPRESSOR TECHNOLOGY

ARCTIKO's single compressor system features a filterless design, which prevents malfunctions due to dust accumulation in filters. This reduces maintenance requirements for the cooling system and ensures more stable operation.

▶ ULTRA LOW POWER CONSUMPTION

This unit is designed with advanced insulation and optimized cooling systems, minimizing energy usage while maintaining stable temperatures. Our power efficient compressors and intelligent control systems, reduce operating cost and environmental impact, making them the ideal sustainable choice.

NATURAL REFRIGERANT LOWEST GWP

ULUF P65 MV* ▲

-86.0°c
Integraline

SINGLE COMPRESSOR SYSTEM

FILTERLESS CONSTRUCTION

NATURE R

NATURAL REFRIGERANT

Heated door frame prevents ice build up around the gasket.

This unit includes a well-utilized inner compartment with room for up to 3000 samples.

-86.0°c
Integraline

Direct cooling for optimized temperature stability and uniformity, even with multiple door openings.

Containing less than 100 grams of refrigerant gas, the ULUF P65MV is compliant with air transport regulations and can be safely and efficiently shipped by air.
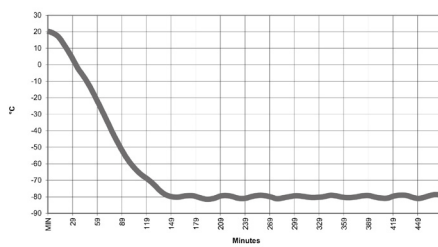
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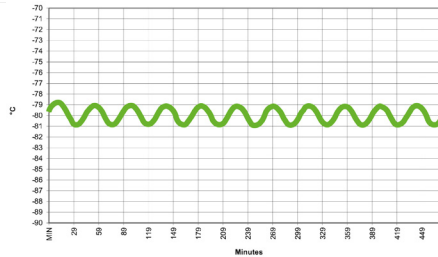true cooling specialists
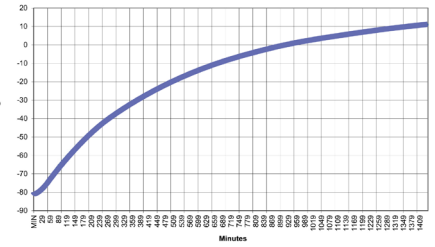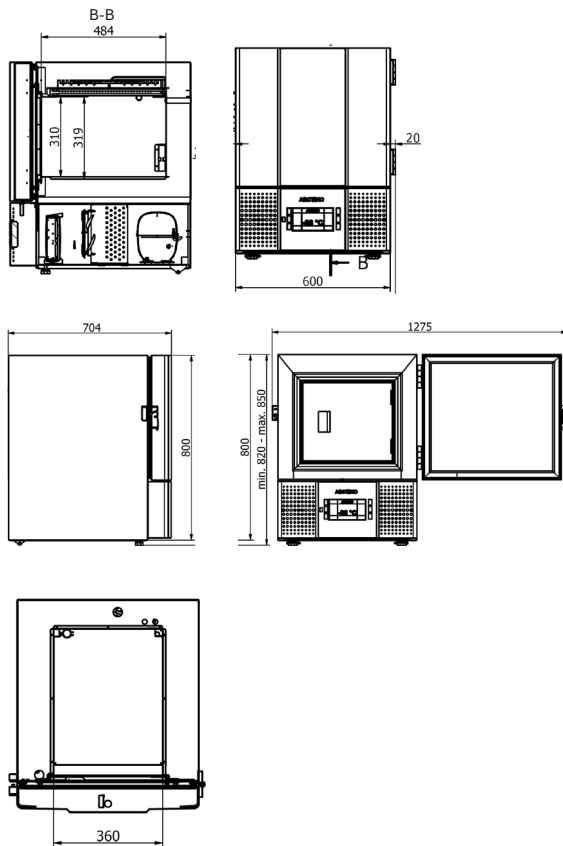

■ Pull-down to -80°C

■ Stable -80°C

■ Hold over from -80°C

▶ IMPROVED RECOVERY TIMES

Pull-down times measures how quickly a freezer can reach the correct temperature, the faster the better. Hold over indicates the time the freezer can maintain a safe internal temperature.

The ARCTIKO Integraline ULUF P65 MV Model supports following optional features:

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

	MODEL	ULUF P65 MV
Main specifications	Item code	1000051-01
	Temperature range (°C)	-40 / -86
	Max. ambient temperature (°C)	25°C
	Capacity (L)	54
	Exterior dimensions WxDxH (mm)	646X704x820
	Interior dimensions WxDxH (mm)	360x484x319
	Weight (KG)	80
	Insulation (mm)	120
	Cooling technology	Single system / static
	Controller model / probe type	V500/PT100
Power	Power supply (V)	110 - 230
	Frequency (Hz)	50/60
	Power consumption (kWh/24h)	4.20
	AMP (A)	3,2 (110V)/1,7A (230V)
	Power (Watt)	300
	Horsepower (HP)	3/4
Alarm functions	Alarm (displayed 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.)	72
Data logging & external connection	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 (external mounting)
Display features	Display type	5'' touch screen
	Number of optional reference probes	1
	Password protection for turning unit on / off	Optional
	Temperature graph on display	Yes
Other features	Automatic defrost	No
	Antifreeze function	No
	Vacuum release port	No
	Access port for external probe etc. (int. diameter mm)	20
	Light	No
	Lock with key	Yes
	Castors (total pcs) / castors with brake (pcs)	2 / 0
	Fixed feet (pcs) / levelling feet (pcs)	0 / 2
	Sub lids / inner doors (pcs)	No
	Reversible door(s)	No
	Total capacity of 50 mm boxes 9x9 dividers (pcs)	36
	Total capacity of 75 mm boxes 9x9 dividers (pcs)	24
	Total capacity of 96 mm boxes 9x9 dividers (pcs)	18
Refrigeration & cabinet	Number of compressors	1
	Refrigerant	GG20
	Interior cabinet material	Stainless steel
	Exterior cabinet material	Painted Steel
	Colour (exterior cabinet)	White
	Foam type	Polyurethane
	VIP vacuum insulated panels	No
Shipping	Shipping weight (kg)	99
	Shipping dimensions WxDxH (cm)	81x69x103
	Shipping volume (m^3)	0,58

ISO 9001:2015
Certificate No: 33037

ISO 13485:2016
Certificate No: 0000320341-PA-NA-NOR

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IEC 61010 / EN IEC 61010 /UL 61010 /CSA C22.2 no 61010