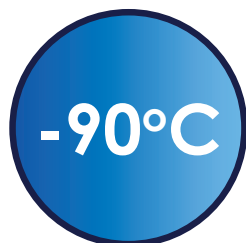




ULUF 590! &A



Arctiko is proud to present a true dual refrigeration system. With two separate cooling systems, this range will add a new dimension to your security. In the unlikely event that one system should fail, the freezer will still maintain -86°C until the problem is solved.

- HIGHLY RELIABLE, TOP PERFORMANCE FREEZER WITH DUAL REFRIGERATION SYSTEM <
- *DIRECT COOLING FOR HIGHER TEMPERATURE UNIFORMITY (+/-2°C) <
- *EXCELLENT TEMPERATURE STABILITY (+/-2°C) <
- FAST PULL DOWN TIME SIGNIFIES AN EFFICIENT REFRIGERATION SYSTEM <
- FAST RECOVERY TIME ENSURES INTEGRITY OF STORED SAMPLES <
- LONG HOLD-OVER TIME IN CASE OF POWER CUT <
- FILTERLESS CONSTRUCTION – MAKES CLEANING UNNECESSARY <

*at setpoint -86°C

MODEL	ULUF 590! &A
Item Code	DAI 1378
Dimensions exterior WxDxH (mm)	920x885x1990
Capacity (L)	556
Temperature range (°C)	-90 / -40
Power supply (V)	230
Frequency (Hz)	50 / 60

We reserve the right to change specifications without notice. Subject to confirmation, availability and errors.

ADVANTAGES OF THE ULUF SERIES

- **Energy-efficiency** – low energy consumption resulting in lower operating cost in the long run
- **Environment-friendly** – use of agents and technologies that aren't harmful to the environment (100% HCFC / CFC free)
- **Quality components** – for a robust and long-lasting freezer
- **Low noise operation** – for a safe and pleasant working environment inside the lab
- **Low heat dissipation** – you save on your air conditioning due to lower heat dissipation
- **Insulated inner doors** – to prevent cold air leakage
- **Ergonomically correct height of cabinets**
- **Heated door frame / heated vacuum valve** - for easy door opening
- **Magnetic door gasket** - for tight closure to prevent cold lose
- **Easy to service** – easily accessible and replaceable components for convenient field servicing & maintenance

CONTROLLER FEATURES

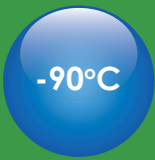
MICRO PROCESSOR CONTROLLER WITH DIGITAL DISPLAY
 APPROX. 72 HOURS BATTERY BACK UP FOR ALARMS, LOGGINGS
 AND TEMPERATURE DISPLAY IN CASE OF POWER CUT
 PREPARED FOR GSM ALARM
 PREPARED FOR CONNECTION OF 2 ADDITIONAL PROBES
 AUTO CYCLE IN CASE OF PROBE FAILURE
 AMBIENT TEMPERATURE DISPLAY
 DIRECT DOWNLOAD OF LOGGED DATA ON USB MEMORY STICK
 DIRECT UPLOAD OF NEW SOFTWARE VIA USB MEMORY STICK
 3-LEVEL PASSWORD PROTECTED
 BATTERY LEVEL INDICATION
 DISPLAY TEXT AVAILABLE IN DIFFERENT LANGUAGES
 TEMPERATURE GRAPH

ALARM FEATURES

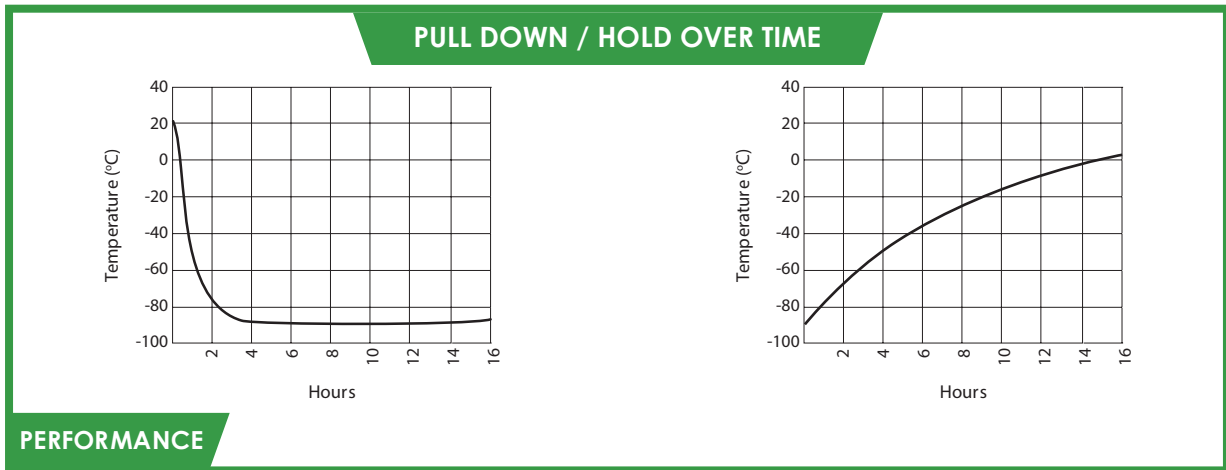
VISUAL AND ACOUSTIC ALARM
 ADJUSTABLE HIGH/LOW TEMP. ALARM
 POWER FAILURE ALARM
 PROBE FAILURE ALARM
 INSTRUMENT FAILURE ALARM
 OPEN DOOR ALARM
 CONTACT FOR REMOTE ALARM
 SHOWS ALL ALARMS

DATA LOGGING FEATURES

INTEGRATED DATA LOGGER
 RS485/RS232 INTERFACE
 INTEGRATED MEMORY FOR 20 YEARS

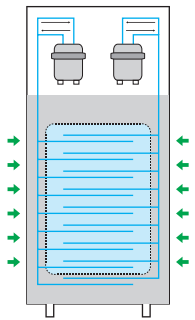


ULTRA LOW TEMPERATURE UPRIGHT FREEZERS DOUBLE SECURITY



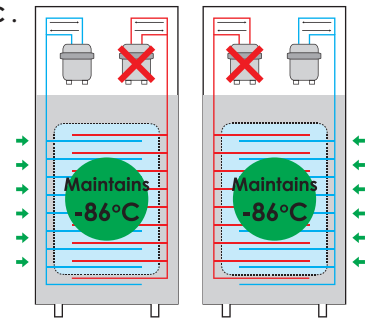
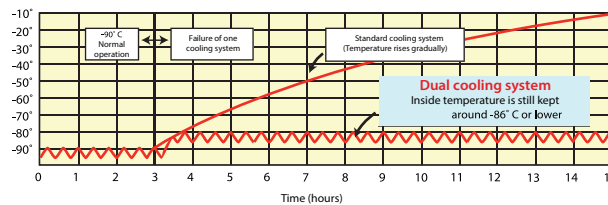
DOUBLE COOLING SYSTEM / Normal Operation

IN CASE OF TROUBLE / One System down



2 independent Single compressor cooling systems work simultaneously. Each system is able to reach ultra-low temperature.

One of the Systems can maintain -86°C .



TECHNICAL SPECIFICATIONS

Insulation (mm)	120
Insulation type	Polyurethane foam
Max. ambient temperature at -86 °C	25
Power consumption (kWh/24h)	15,7
Current (A)	8,9 amp
No. of compressors	2
Max. shelf load (kg)	25
Power (Watt)	1300
Castors / with brake in front	Yes
Insulated inner doors	5
Lighting	Yes
Lock	Yes
Inner liner material	Stainless steel
Cabinet material	Varnished steel
Colour (exterior)	White
Refrigerant	EP88
Weight (kg)	242
Shipping weight with wooden packaging (kg)	342
Shipping dimensions with wooden packaging WxDxH (mm)	1020x1070x2310

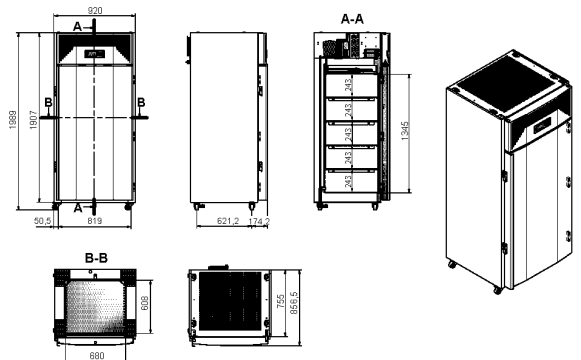
* we reserve the right to change specifications without notice and subject to errors. All measurements in mm

OPTIONAL

1. CO2 Backup
2. GSM Alarm Module
3. Chart Recorder
4. SVS Voltage stabilizers
5. Cryo gloves
6. Water cooled
7. Racks and Boxes

MAIN DIMENSION FOR ULUF 590-2M

*All measurements in mm



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