

# ARCTIKO INT SUF 500

true cooling specialists



## ULTRA LOW TEMPERATURE CHEST FREEZER I

SUPERIOR PERFORMANCE AND HIGHLY RELIABLE ULT CHEST FREEZER  
Optimized internal storage capacity with stainless steel racks. The single compressor technology provides reliable low temperature freezing and high temperature uniformity.

### ► SUPERIOR COOLING PERFORMANCE

Reaching -80°C in only 190 minutes due to our our single compressor technology. The technology is specially designed to be the best in class in cooling performance.

With the SUF 500 freezer you are secured superior temperature stability and great temperature uniformity even after door openings. It also helps provide a stable cooling performance while lowering the energy consumption.

### ► OPTIMIZED STORAGE CAPACITY

The freezer has optimized internal storage for the best overlook. With the standard included stackable basket and the optional stainless steel front rack storage system the samples will be easy accessible at any time.

The freezer also has a premade access port with no extra cost involved, making it easier to monitor or inspect the unit with external probes.

### ► FILTERLESS CONSTRUCTION

Our filterless construction makes cleaning unnecessary. The evaporator coils are spaced so far apart that dust will not be trapped and obstruct the airflow.

The filterless construction eliminates the need for filters entirely, saving you maintenance time and cost.



SINGLE COMPRESSOR SYSTEM



FILTERLESS CONSTRUCTION



NOISE REDUCTION TECHNOLOGY



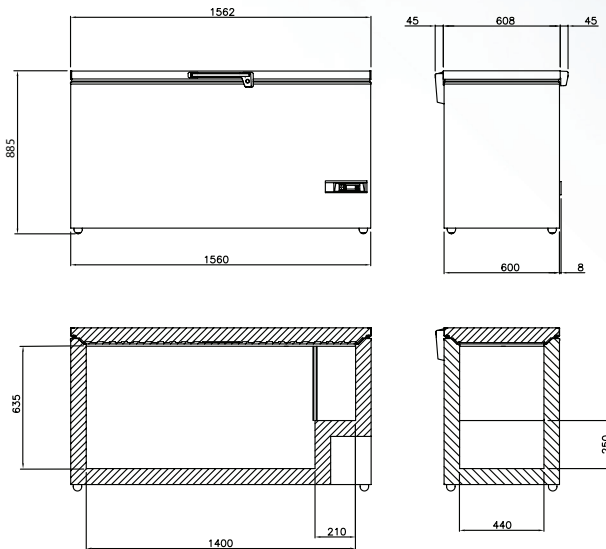
Optimal storage capacity and overview of the stored samples with the stainless steel front rack storage system



The key lock on the handle is a standard feature in our SUF 500 for optimal security for your samples.

The ARCTIKO SUF 500 model supports following optional features:

- Temperature chart recorder
- Rollers on metal frame
- CO<sub>2</sub> back-up system
- GSM alarm module
- Voltage converter
- Voltage stabilizer
- Racks & boxes
- Cryo gloves



MODEL	SUF 500
Item code	US-SUF 500
Temperature range (°C)	-40 / -86
Temperature range (°F)	-40 / -123
Max. ambient temperature (°C)	25
Max. ambient temperature (°F)	77
Capacity (L)	368
Capacity (cu. ft.)	13
Exterior dimensions WxDxH (mm)	1562x708x891
Exterior dimensions WxDxH (inches)	61,50x27,87x35,08
Interior dimensions WxDxH (mm)	1400x440x630
Interior dimensions WxDxH (inches)	55,12x17,32x24,80
Weight (kg)	88
Weight (lbs)	194
Insulation (mm)	80
Insulation (inches)	3,16
Cooling technology	single system / static
Controller model / probe type	XR30CX / PT1000
Power supply (V)	110
Frequency (Hz)	60
Power consumption (kWh/24h)	10,8
AMP (A)	6,3
Power (Watt)	600
Horse power (HP)	5/8
Alarm display as text - not codes	no
Visual / acoustic alarm	yes
Power failure alarm	yes
Adjustable high / low temperature alarm	yes
Open door alarm	no
Probe failure alarm	yes
Low battery alarm	no
Compressor failure alarm	no
Battery backup for alarms (approx. hrs.)	72
Voltage free contact for remote alarm (e.g. GSM alarm module)	yes
Electronic data logger	no
RS 485 port	no
USB port for software update & data download	no
Temperature chart recorder	optional
Display type	LED display with touch buttons
Number of optional reference probes	no
Password protection for turning unit on / off	no
Temperature graph on display	no
Automatic defrost	no
Vacuum release port	no
Access port for external probe etc. (int. diameter mm)	12
Access port for external probe etc. (int. diameter inches)	0,47
Light	no
Lock with key	yes
Castors (total pcs) / castors with brake (pcs)	4 / optional
Fixed feet (pcs) / levelling feet (pcs)	no
Sub lids / inner doors (pcs)	4
Total capacity of 50 mm / 2 inch boxes (pcs)	282
Total capacity of 75 mm / 3 inch boxes (pcs)	204
Total capacity of 96 mm / 3,8 inch boxes (pcs)	129
Number of compressors	1
Refrigerant	EP88
Interior cabinet material	prepainted steel
Exterior cabinet material	prepainted steel
Colour (exterior cabinet)	white
Foam type	polyurethane
VIP vacuum insulated panels	no
Shipping weight (kg)	139
Shipping weight (lbs)	306
Shipping dimensions WxDxH (cm)	166x76x106
Shipping dimensions WxDxH (inches)	65,4x29,9x41,7
Shipping volume (m <sup>3</sup> )	1,34
Shipping volume (cu. ft.)	47,32