



# SUF 100

## 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.



SINGLE  
COMPRESSOR  
SYSTEM



FILTERLESS  
CONSTRUCTION



REDUCED  
NOISE LEVEL

### 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.

### SUPERIOR COOLING PERFORMANCE

Reaching -80°C in only 85 minutes due to our single compressor technology. The technology is specially designed to be the best in class in cooling performance.

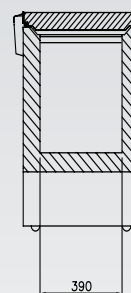
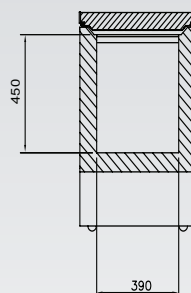
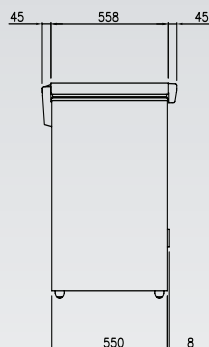
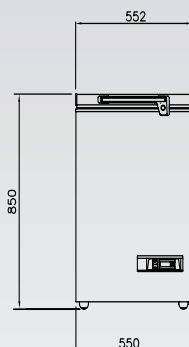
With the SUF 100 freezer you are secured superior temperature stability and great temperature uniformity even after door openings. It also helps provide a stable cooling performance while lowering the energy consumption.

### OPTIMIZED STORAGE CAPACITY

The freezer has optimized internal storage for the best overlook and accessibility of stored content. With our stainless steel front rack storage system the samples will be easy accessible at any time.

The SUF 100 freezer also has a premade access port with no extra cost involved, making it easier to monitor or inspect the unit with external probes.

## MAIN DIMENSION FOR SUF 100



## MAIN SPECIFICATIONS

Item code	US-SUF 100
Temperature range (°C)	-40 / -86
Temperature range (°F)	-40 / -123
Max. ambient temperature (°C)	25
Max. ambient temperature (°F)	77
Capacity (L)	71
Capacity (cu. ft.)	2,5
Exterior dimensions WxDxH (mm)	552x648x887
Exterior dimensions WxDxH (inches)	21,73x25,51x34,92
Interior dimensions WxDxH (mm)	390x390x450
Interior dimensions WxDxH (inches)	15,35x15,35x17,72
Weight (KG)	55
Weight (lbs)	121
Insulation (mm)	80
Insulation (inches)	3,16
Cooling technology	single system / static
Controller model / probe type	XR30CX / PT1000

## POWER

Power supply (V)	110
Frequency (Hz)	60
Power consumption (kWh/24H)	7,7
AMP (A)	5,0
Power (Watt)	360
Horse power (HP)	3/8

## ALARM FUNCTIONS

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

## DATA LOGGING & EXTERNAL CONNECTION

Voltage free contact for remote alarm (e.g. GSM module)	yes
Electronic data logger	no
RS 485 port	no
USB port for software update & data download	no
Temperature chart recorder	optional

## DISPLAY FEATURES

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

## OTHER FEATURES

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)	1
Total capacity of 50 mm / 2 inch boxes 9x9 dividers (pcs)	320
Total capacity of 75 mm / 3 inch boxes 9x9 dividers (pcs)	240
Total capacity of 96 mm / 3,8 inch boxes 9x9 dividers (pcs)	160

## REFRIGERATION & CABINET

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

Shipping weight (KG)	80
Shipping weight (lbs)	176
Shipping dimensions WxDxH (cm)	68x64x116
Shipping dimensions WxDxH (inches)	26,8x25,2x45,7
Shipping volume (m <sup>3</sup> )	0,51
Shipping volume (cu. ft.)	18,01

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



Lock on handle for optimal security of the valued samples. Comes as a standard feature.



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

## OPTIONAL ACCESSORIES

- Temperature chart recorder
- Rollers on metal frame
- CO2 back-up system
- GSM alarm module
- Voltage converter
- Voltage stabilizer
- Racks & boxes
- Cryo gloves

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