BioLAB

PRODUCT CATALOG

-86°C ULTRA LOW TEMPERATURE UPRIGHT FREEZER BFUR-86-316

CE ISO9001 CERTIFIED

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-86°C ULTRA LOW TEMPERATURE FREEZER BFUR-86-316

-86°C ULTRA-LOW FREEZER

Accurate temperature controller, setting temperature range of -40 to -86°C
7-inch touch screen display, accuracy of 0.1 °C.
Suggested ambient temperature: +10 to 32°C.
Stainless steel inner chamber for friendly use and easy cleaning.
Brand compressor to ensure excellent stability of the cooling system.
Patented refrigeration technology, high-efficiency mixed gas for the cooling system.
Security
Safety door lock to prevent unauthorized access.
72h built-in backup battery to power the controller and save temp. data when power failure or system error.
Visual and audible alarm system: High/low temperature, sensor failure, controlle

SPECIFICATIONS

Model	BFUR-86-316
Capacity	728L
Temperature Range	-40 ~ -86°C
Ambient Temperature	10~32°C
Noise	53 dB
Cold Rack Max. Loading Capacity (pcs)	2540 Rack / 18, 2640 Rack / 6
2" Cold Box Max. Loading Capacity (pcs)	504
0.5~2ml Vials Max. Loading Capacity (pcs)	50,400
Controller / Display	Microprocessor / 7" Touch Screen
Sensor	PTC
Voltage and Frequency	220V±10%, 50Hz
Power	1400 W
Electric Current	10.37 A
Power Consumption (kWh/24h)	23.44
High/Low Temp. Alarm	Yes
Power Failure Alarm	Yes, 72h
Sensor Error Alarm	Yes
Controller Error Alarm	Yes
Door Ajar Alarm	Yes
Abnormal Voltage Alarm	Yes
Abnormal Ambient Temp. Alarm	Yes
Battery Error Alarm	Yes
Condenser Error / Filter Net Clean Alarm	Yes
Refrigeration Type / Defrost Type	Direct Cooling / Manual
Compressor (Brand/pcs)	SECOP / 2
Refrigerant / Weight	R400A / 370g
External / Internal Door (pcs)	Foamed Solid Door x 1 / Foamed Solid Door x 2
Adjustable Shelf (pcs)	3
Exterior / Interior Cabinet Material	Coated Steel / Stainless Steel
Insulation Material	PURF (≥100mm) and VIP Panel
Door Lock	Yes

LED Lamp	Yes
Test Hole (pcs)	2
Castors (pcs)	4
USB Data Download Port	Yes
Remote Alarm Port	Yes
RS485 Port	Yes
Temperature Datalogger	Optional
Temperature Printer	Optional
Temperature Chart Recorder	Optional
Protective Gloves	Optional
LN2/CO2 Backup System	Optional
Interior Dimensions (WxDxH) mm	963x571x1350
Exterior Dimensions (WxDxH) mm	1248x975x1995
Packing Dimensions (WxDxH) mm	1330x1020x2200
Net / Gross Weight	316 / 392 kgs
Package	Plywood box with pallet
Alt Name	-86°C Ultra-low Freezer

FEATURES

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Security
Safety door lock to prevent unauthorized access.
72h built-in backup battery to power the controller and save temp. data when power failure or system error.
Visual and audible alarm system: High/low temperature, sensor failure, controller error, etc.
Power failure protection: turn-on delay of the cooling system after power failure.
Controller error protection: the cooling system will remember the normal working cycle and keep working depending on this memory when the controller or two sensors failed.

Humanized design
Adjustable shelves for easy storage.
Casters with stoppers for easy moving and fixation.
Special-designed service-free drainage system.

APPLICATIONS

The -86°C ultra-low temperature freezers are designed for the long-term preservation of viruses, germs, vaccines, biological tissues and organs, special food, medicines, reagents, etc.

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