



-86Â°C ULT FREEZER

-86Â°C ULT FREEZER BEZ1CD1

-86Â°C ULT CHEST FREEZER



Accurate temperature controller, setting temperature range is -40 to -86Â°C, accuracy is 0.1 Â°C.

Suggested ambient temperature: +10 to 32Â°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.

Visual and audible alarm system: High/low temperature, sensor failure, controller error.

Power failure protection: turn-on delay of the cooling system after power failur

SPECIFICATIONS

Model	BEZ1CD1
Old Model	BFRZ-86-201
Temperature Range	-40 ~ -86Â°C
Ambient Temperature	10~32Â°C
Capacity (L/Cu.Ft.)	105 / 3.71
Interior Dimensions (WxDxH) mm	480x380x665
Exterior Dimensions (WxDxH) mm	680x580x935
Weight	65 kgs
Noise	50 dB
Cold Rack Max. Loading Capacity (pcs)	2B1U Rack / 2, 2B1D Rack / 2
2" Cold Box Max. Loading Capacity (pcs)	34
0.5~2ml Vials Max. Loading Capacity (pcs)	3,400
Controller	Microprocessor
Display	Digital
Sensor	PTC
Voltage and Frequency	220VÂ±10%, 50/60Hz
Power	500 W
Electric Current	2.53 A
Power Consumption (kWh/24h)	4.79
High / Low Temp. Alarm	Yes
Power Failure Alarm	Yes
Sensor Error Alarm	Yes
Controller Error Alarm	Yes
Refrigeration Type	Direct Cooling
Defrost	Manual
Compressor (Brand/pcs)	Cubigel / 1
Refrigerant / Weight	R4001 / 180g
Door (pcs)	Foamed Solid Door / 1
Interior Cabinet Material	Stainless Steel
Exterior Cabinet Material	Coated Steel
Insulation Material	PURF (â€¢¥100mm)

Door Lock	Yes
Test Hole (pcs)	1
Castors (pcs)	4
Temperature Datalogger	Optional
Protective Gloves	Optional
Package	Carton box with pallet
Shipping Weight	70 kgs
Shipping Size (WxDxH)	760x735x1040
Shipping Volume	0.58 CBM
Alt Name	-86Â°C Ultra-low Freezer



FEATURES

Accurate temperature controller, setting temperature range is -40 to -86Â°C, accuracy is 0.1 Â°C.

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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

Casters with stoppers for easy moving and fixation.

Special-designed service-free drainage system.



Datalogger

APPLICATIONS

The -86Â°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.

-86Â°C ULT FREEZER BEZ1BT1

-86Â°C ULTRA-LOW FREEZER



Accurate temperature controller, setting temperature range of -40 to -86Â°C
7-inch touch screen display, accuracy of 0.1 Â°C.

Suggested ambient temperature: +10 to 32Â°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, controller

SPECIFICATIONS

Model	BEZ1BT1
Old Model	BFUR-86-304
Temperature Range	-40 ~ -86Â°C
Ambient Temperature	10~32Â°C
Capacity (L/Cu.Ft.)	340 / 12
Noise	50 dB
Cold Rack Max. Loading Capacity (pcs)	2440 Rack / 12
2" Cold Box Max. Loading Capacity (pcs)	192
0.5-2ml Vials Max. Loading Capacity (pcs)	19,200
Controller / Display	Microprocessor / 7" Touch Screen
Sensor	PTC
Voltage and Frequency	220VÂ±10%, 50/60Hz
Power	810 W
Electric Current	5.13 A
Power Consumption (kWh/24h)	13.09
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 / 1
Refrigerant / Weight	R400A / 320g
External / Internal Door (pcs)	Foamed Solid Door x 1 / Foamed Solid Door x 2
Adjustable Shelf (pcs)	3
Interior Cabinet Material	Stainless Steel
Exterior Cabinet Material	Coated Steel

Insulation Material	PURF (≥150mm)
Door Lock	Yes
LED Lamp	Yes
Test Hole (pcs)	1
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	488x607x1140
Exterior Dimensions (WxDxH) mm	854x1006x1907
Packing Dimensions (WxDxH) mm	960x1100x2090
Net / Gross Weight	268 / 318 kgs
Package	Plywood box with pallet
Alt Name	-86°C Ultra-low Freezer



FEATURES

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.

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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.

-86°C ULT FREEZER BEZ1BU1

-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, controller

SPECIFICATIONS

Model	BEZ1BU1
Old Model	BFUR-86-305
Temperature Range	-40 ~ -86°C
Ambient Temperature	10~32°C
Capacity (L/Cu.Ft.)	408 / 14.41
Noise	50 dB
Cold Rack Max. Loading Capacity (pcs)	2540 Rack / 8, 2440 Rack / 8
2" Cold Box Max. Loading Capacity (pcs)	288
0.5~2ml Vials Max. Loading Capacity (pcs)	28,800
Controller / Display	Microprocessor / 7" Touch Screen
Sensor	PTC
Voltage and Frequency	220V±10%, 50/60Hz
Power	890 W
Electric Current	5.34 A
Power Consumption (kWh/24h)	12.65 (-81°C), 10.33 (-75°C)
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 / 1

Refrigerant / Weight	R400A / 305g
External / Internal Door (pcs)	Foamed Solid Door x 1 / Foamed Solid Door x 2
Adjustable Shelf (pcs)	3
Interior Cabinet Material	Stainless Steel
Exterior Cabinet Material	Coated Steel / Stainless Steel
Insulation Material	PURF (≥100mm) and VIP Panel
Door Lock	Yes
LED Lamp	Yes
Test Hole (pcs)	1
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	606x573x1180
Exterior Dimensions (WxDxH) mm	872x1038x1946
Packing Dimensions (WxDxH) mm	960x1030x2120
Net / Gross Weight	268 / 318 kgs
Package	Plywood box with pallet
Alt Name	-86°C Ultra-low Freezer



FEATURES

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.

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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 -86Â°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.

-86Â°C ULT FREEZER BEZ1BY1

-86Â°C ULTRA-LOW FREEZER



Accurate temperature controller, setting temperature range of -40 to -86Â°C
7-inch touch screen display, accuracy of 0.1 Â°C.
Suggested ambient temperature: +10 to 32Â°C.
Stainless steel inner chamber for friendly use and easy cleaning.
Brand compressor to ensure excellent stability of the cooling system.
Eco-friendly and energy-saving series with R170 & R290 green HC refrigerant and cascade 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, controller

SPECIFICATIONS

Model	BEZ1BY1
Old Model	BFUR-86-303
Temperature Range	-40 ~ -86Â°C
Ambient Temperature	10~32Â°C
Capacity (L/Cu.Ft.)	338 / 11.94
Noise	50 dB
Cold Rack Max. Loading Capacity (pcs)	2440 Rack / 12
2" Cold Box Max. Loading Capacity (pcs)	192
0.5~2ml Vials Max. Loading Capacity (pcs)	19,200
Controller / Display	Microprocessor / 7" Touch Screen
Sensor	PTC
Voltage and Frequency	220VÂ±10%, 50/60Hz
Power	620 W
Electric Current	7.93 A
Power Consumption (kWh/24h)	11.17 (-81Â°C) ; 9.12 (-75Â°C)
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	R290 / 130g, R170 / 58g
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 (≥150mm)
Door Lock	Yes
LED Lamp	Yes
Test Hole (pcs)	1
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	488x607x1140
Exterior Dimensions (WxDxH) mm	854x1027x1907
Packing Dimensions (WxDxH) mm	960x1100x2090
Net / Gross Weight	296 / 346 kgs
Package	Plywood box with pallet
Alt Name	-86°C Ultra-low Freezer

FEATURES

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.

Eco-friendly and energy-saving series with R170 & R290 green HC refrigerant and cascade 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, 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.

Castors with stoppers for easy moving and fixation.

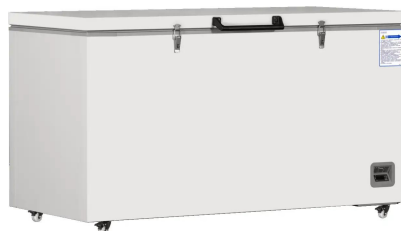
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APPLICATIONS

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-86Â°C ULT FREEZER BEZ1CE1

-86Â°C ULT CHEST FREEZER



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Suggested ambient temperature: +10 to 32Â°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.

Visual and audible alarm system: High/low temperature, sensor failure, controller error.

Power failure protection: turn-on delay of the cooling system after power failur

SPECIFICATIONS

Model	BEZ1CE1
Old Model	BFRZ-86-202
Temperature Range	-40 ~ -86Â°C
Ambient Temperature	10~32Â°C
Capacity (L/Cu.Ft.)	485 / 17.13
Interior Dimensions (WxDxH) mm	1455x525x674
Exterior Dimensions (WxDxH) mm	1695x840x962
Weight	130 kgs
Noise	55 dB
Cold Rack Max. Loading Capacity (pcs)	2B1U Rack / 24, 2B1D Rack / 6
2" Cold Box Max. Loading Capacity (pcs)	300
0.5~2ml Vials Max. Loading Capacity (pcs)	30,000
Controller	Microprocessor
Display	Digital
Sensor	PTC
Voltage and Frequency	220VÂ±10%, 50/60Hz
Power	670 W
Electric Current	3.16 A
Power Consumption (kWh/24h)	13.5
High / Low Temp. Alarm	Yes
Sensor Error Alarm	Yes
Controller Error Alarm	Yes
Refrigeration Type	Direct Cooling
Defrost	Manual
Compressor (Brand/pcs)	SECOP / 1
Refrigerant / Weight (kgs)	R4001 / 340g
Door (pcs)	Foamed Solid Door / 1
Interior Cabinet Material	Stainless Steel
Exterior Cabinet Material	Coated Steel
Insulation Material	PURF (â‰¥100mm)
Door Lock	Yes
Test Hole (pcs)	1
Fixed / Levelling Castors (pcs)	4

Temperature Datalogger	Optional
Protective Gloves	Optional
Package	Carton box with pallet
Shipping Weight	150 kgs
Shipping Size (WxDxH)	1770x900x1100
Shipping Volume	1.75 CBM
Alt Name	-86°C Ultra-low Freezer



FEATURES

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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

Casters with stoppers for easy moving and fixation.

Special-designed service-free drainage system.

APPLICATIONS

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-86Â°C ULT FREEZER BEZ1BV1

-86Â°C ULTRA-LOW FREEZER



Accurate temperature controller, setting temperature range of -40 to -86Â°C
7-inch touch screen display, accuracy of 0.1 Â°C.

Suggested ambient temperature: +10 to 32Â°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, controller

SPECIFICATIONS

Model	BEZ1BV1
Old Model	BFUR-86-308
Temperature Range	-40 ~ -86Â°C
Ambient Temperature	10~32Â°C
Capacity (L/Cu.Ft.)	588 / 20.77
Noise	53 dB
Cold Rack Max. Loading Capacity (pcs)	2550 Rack / 16
2" Cold Box Max. Loading Capacity (pcs)	400
0.5~2ml Vials Max. Loading Capacity (pcs)	40,000
Controller / Display	Microprocessor / 7" Touch Screen
Sensor	PTC
Voltage and Frequency	220VÂ±10%, 50/60Hz
Power	1500 W
Electric Current	10.35 A
Power Consumption (kWh/24h)	16.02
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 / 320g
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 (â‰¥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	606x738x1310
Exterior Dimensions (WxDxH) mm	891x1155x1995
Packing Dimensions (WxDxH) mm	975x1185x2200
Net / Gross Weight	283 / 346 kgs
Package	Plywood box with pallet
Alt Name	-86°C Ultra-low Freezer



FEATURES

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.

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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.

Castors 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.

-86°C ULT FREEZER BEZ1BZ1

-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.

304 SS inner chamber for friendly use and easy cleaning.

Brand compressor to ensure excellent stability of the cooling system.

Eco-friendly and energy-saving series with R170 & R290 green HC refrigerant and cascade 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, controller

SPECIFICATIONS

Model	BEZ1BZ1
Old Model	BFUR-86-306
Temperature Range	-40 ~ -86°C
Ambient Temperature	10~32°C
Capacity (L/Cu.Ft.)	408 / 14.41
Noise	50 dB
Cold Rack Max. Loading Capacity (pcs)	2540 Rack / 8, 2440 Rack / 8
2" Cold Box Max. Loading Capacity (pcs)	288
0.5~2ml Vials Max. Loading Capacity (pcs)	28,800
Controller / Display	Microprocessor / 7" Touch Screen
Sensor	PTC
Voltage and Frequency	220V±10%, 50/60Hz
Power	650 W
Electric Current	8.96 A
Power Consumption (kWh/24h)	12.43 (-81°C) ; 10.21 (-75°C)
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	R290 / 130g, R170 / 62g
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
Door Lock	Yes
LED Lamp	Yes
Test Hole (pcs)	1
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	606x573x1180
Exterior Dimensions (WxDxH) mm	891x992x1945
Packing Dimensions (WxDxH) mm	960x1030x2120
Net / Gross Weight	292 / 340 kgs
Package	Plywood box with pallet
Alt Name	-86°C Ultra-low Freezer

FEATURES

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.

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Security

Safety door lock to prevent unauthorized access.

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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.

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APPLICATIONS

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-86Â°C ULT FREEZER BEZ1BW1

-86Â°C ULTRA-LOW FREEZER



Accurate temperature controller, setting temperature range of -40 to -86Â°C
7-inch touch screen display, accuracy of 0.1 Â°C.

Suggested ambient temperature: +10 to 32Â°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, controller

SPECIFICATIONS

Model	BEZ1BW1
Old Model	BFUR-86-316
Temperature Range	-40 ~ -86Â°C
Ambient Temperature	10~32Â°C
Capacity (L/Cu.Ft.)	728 / 25.71
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	220VÂ±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 (â‰¥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	-86Â°C Ultra-low Freezer



FEATURES

Accurate temperature controller, setting temperature range of -40 to -86Â°C

7-inch touch screen display, accuracy of 0.1 Â°C.

Suggested ambient temperature: +10 to 32Â°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, 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.

Castors 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.

-86°C ULT FREEZER BEZ1CA1

-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.

Eco-friendly and energy-saving series with R170 & R290 green HC refrigerant and cascade 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, controller

SPECIFICATIONS

Model	BEZ1CA1
Old Model	BFUR-86-309
Temperature Range	-40 ~ -86°C
Ambient Temperature	10~32°C
Capacity (L/Cu.Ft.)	588 / 20.77
Noise	53 dB
Cold Rack Max. Loading Capacity (pcs)	2550 Rack / 16
2" Cold Box Max. Loading Capacity (pcs)	400
0.5~2ml Vials Max. Loading Capacity (pcs)	40,000
Controller / Display	Microprocessor / 7" Touch Screen
Sensor	PTC
Voltage and Frequency	220V±10%, 50/60Hz
Power	690 W
Electric Current	8.33 A
Power Consumption (kWh/24h)	14.85 (-81°C) ; 13.07 (-75°C)
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	R290 / 130g, R170 / 68g
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
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	606x738x1310
Exterior Dimensions (WxDxH) mm	891x1155x1995
Packing Dimensions (WxDxH) mm	975x1185x2200
Net / Gross Weight	335 / 395 kgs
Package	Plywood box with pallet
Alt Name	-86°C Ultra-low Freezer

FEATURES

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.

Eco-friendly and energy-saving series with R170 & R290 green HC refrigerant and cascade 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, 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.

Castors 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.

-86Â°C ULT FREEZER BEZ1CF1

-86Â°C ULT FREEZER TWINCOOL



Two separate cooling systems in one freezer, if one of them fails, the backup cooling system will start to work automatically.
Security and Reliable, advanced technology, standard backup system, one system can keep the freezer inside temperature at -70Â°C.
Accurate temperature controller, setting temperature range of -40 to -86Â°C
7-inch touch screen display, accuracy of 0.1 Â°C.
Suggested ambient temperature: +10 to 32Â°C.
Stainless steel inner chamber for friendly use and easy cleaning.
Brand compressor to ensure excellent stability of the cooling system.
Eco-friendly and energy-saving series with R170 & R290 green HC refrigerant and cascade cooling system.
Security

SPECIFICATIONS

Model	BEZ1CF1
Old Model	BFUR-86-307
Temperature Range	-40 ~ -86Â°C
Ambient Temperature	10~32Â°C
Capacity (L/Cu. Ft.)	408 / 14.41
Noise	50 dB
Cold Rack Max. Loading Capacity (pcs)	254D Rack / 8, 244D Rack / 8
2" Cold Box Max. Loading Capacity (pcs)	288
0.5~2ml Vials Max. Loading Capacity (pcs)	28,800
Controller / Display	Microprocessor / 7" Touch Screen
Sensor	PTC
Voltage and Frequency	220VÂ±10%, 50/60Hz
Power	1350 W
Electric Current	11 A
Power Consumption (kWh/24h)	13.8
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 (kgs)	R4001 / 300g
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 Vacuum Insulation Panel (VIP)
Door Lock	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	606x575x1180
Exterior Dimensions (WxDxH) mm	891x992x1945
Packing Dimensions (WxDxH) mm	960x1030x2120
Net / Gross Weight	236 / 278 kgs
Package	Plywood box with pallet
Alt Name	-86°C ULT Freezer TwinCool

FEATURES

Two separate cooling systems in one freezer, if one of them fails, the backup cooling system will start to work automatically.
 Security and Reliable, advanced technology, standard backup system, one system can keep the freezer inside temperature at -70°C.
 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.
 Eco-friendly and energy-saving series with R170 & R290 green HC refrigerant and cascade 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, 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.

-86Â°C ULT FREEZER BEZ1CG1

-86Â°C ULT FREEZER TWINCOOL



Two separate cooling systems in one freezer, if one of them fails, the backup cooling system will start to work automatically.
Security and Reliable, advanced technology, standard backup system, one system can keep the freezer inside temperature at -70Â°C.
Accurate temperature controller, setting temperature range of -40 to -86Â°C
7-inch touch screen display, accuracy of 0.1 Â°C.
Suggested ambient temperature: +10 to 32Â°C.
304 SS inner chamber for friendly use and easy cleaning.
Brand compressor to ensure excellent stability of the cooling system.
Eco-friendly and energy-saving series with R170 & R290 green HC refrigerant and cascade cooling system.
Security

SPECIFICATIONS

Model	BEZ1CG1
Old Model	BFUR-86-310
Temperature Range	-40 ~ -86Â°C
Ambient Temperature	10~32Â°C
Capacity (L/Cu. Ft.)	588 / 20.77
Noise	53 dB
Cold Rack Max. Loading Capacity (pcs)	255D Rack / 16
2" Cold Box Max. Loading Capacity (pcs)	400
0.5~2ml Vials Max. Loading Capacity (pcs)	40,000
Controller / Display	Microprocessor / 7" Touch Screen
Sensor	PTC
Voltage and Frequency	220VÂ±10%, 50/60Hz
Power	1500 W
Electric Current	10.47 A
Power Consumption (kWh/24h)	16.23
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 (kgs)	R4001 / 320g
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 Vacuum Insulation Panel (VIP)
Door Lock	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	606x738x1310
Exterior Dimensions (WxDxH) mm	891x1155x1995
Packing Dimensions (WxDxH) mm	975x1185x2200
Net / Gross Weight	335 / 395 kgs
Package	Plywood box with pallet
Alt Name	-86°C ULT Freezer TwinCool

FEATURES

Two separate cooling systems in one freezer, if one of them fails, the backup cooling system will start to work automatically.
 Security and Reliable, advanced technology, standard backup system, one system can keep the freezer inside temperature at -70°C.
 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.
 304 SS inner chamber for friendly use and easy cleaning.
 Brand compressor to ensure excellent stability of the cooling system.
 Eco-friendly and energy-saving series with R170 & R290 green HC refrigerant and cascade 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, 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.

-86Â°C ULT FREEZER BEZ1BX1

-86Â°C ULTRA-LOW FREEZER



Accurate temperature controller, setting temperature range of -40 to -86Â°C
7-inch touch screen display, accuracy of 0.1 Â°C.

Suggested ambient temperature: +10 to 32Â°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, controller

SPECIFICATIONS

Model	BEZ1BX1
Old Model	BFUR-86-313
Temperature Range	-40 ~ -86Â°C
Ambient Temperature	10~32Â°C
Capacity (L/Cu.Ft.)	838 / 29.6
Noise	55 dB
Cold Rack Max. Loading Capacity (pcs)	2550 Rack / 24
2" Cold Box Max. Loading Capacity (pcs)	600
0.5~2ml Vials Max. Loading Capacity (pcs)	60,000
Controller / Display	Microprocessor / 7" Touch Screen
Sensor	PTC
Voltage and Frequency	220VÂ±10%, 50/60Hz
Power	1700 W
Electric Current	10.75 A
Power Consumption (kWh/24h)	19.98
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 / 400g
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 (â‰¥100mm) + VIP

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	894x718x1310
Exterior Dimensions (WxDxH) mm	1179x1135x1995
Packing Dimensions (WxDxH) mm	1270x1170x2200
Net / Gross Weight	332 / 407 kgs
Package	Plywood box with pallet
Alt Name	-86Â°C Ultra-low Freezer



FEATURES

Accurate temperature controller, setting temperature range of -40 to -86Â°C

7-inch touch screen display, accuracy of 0.1 Â°C.

Suggested ambient temperature: +10 to 32Â°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, 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.

Castors 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.

-86°C ULT FREEZER BEZ1CB1

-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.

Eco-friendly and energy-saving series with R170 & R290 green HC refrigerant and cascade 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, controller

SPECIFICATIONS

Model	BEZ1CB1
Old Model	BFUR-86-312
Temperature Range	-40 ~ -86°C
Ambient Temperature	10~32°C
Capacity (L/Cu.Ft.)	728 / 25.71
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	710 W
Electric Current	8.48 A
Power Consumption (kWh/24h)	14.98 (-81°C) ; 13.77 (-75°C)
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	R290 / 140g, R170 / 78g
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
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	380 / 450 kgs
Package	Plywood box with pallet
Alt Name	-86°C Ultra-low Freezer

FEATURES

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.

Eco-friendly and energy-saving series with R170 & R290 green HC refrigerant and cascade 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, 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.

Castors 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.

-86Â°C ULT FREEZER BEZ1CC1

-86Â°C ULTRA-LOW FREEZER



Accurate temperature controller, setting temperature range of -40 to -86Â°C
 7-inch touch screen display, accuracy of 0.1 Â°C.
 Suggested ambient temperature: +10 to 32Â°C.
 Stainless steel inner chamber for friendly use and easy cleaning.
 Brand compressor to ensure excellent stability of the cooling system.
 Eco-friendly and energy-saving series with R170 & R290 green HC refrigerant and cascade 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, controller

SPECIFICATIONS

Model	BEZ1CC1
Old Model	BFUR-86-314
Temperature Range	-40 ~ -86Â°C
Ambient Temperature	10~32Â°C
Capacity (L/Cu.Ft.)	838 / 29.6
Noise	53 dB
Cold Rack Max. Loading Capacity (pcs)	2550 Rack / 24
2" Cold Box Max. Loading Capacity (pcs)	600
0.5~2ml Vials Max. Loading Capacity (pcs)	60,000
Controller / Display	Microprocessor / 7" Touch Screen
Sensor	PTC
Voltage and Frequency	220VÂ±10%, 50/60Hz
Power	720 W
Electric Current	8.64 A
Power Consumption (kWh/24h)	16.47 (-81Â°C) ; 15.18 (-75Â°C)
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	R290 / 140g, R170 / 78g
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 (â‰¥100mm) + VIP

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	894x718x1310
Exterior Dimensions (WxDxH) mm	1179x1135x1995
Packing Dimensions (WxDxH) mm	1270x1170x2200
Net / Gross Weight	397 / 477 kgs
Package	Plywood box with pallet
Alt Name	-86°C Ultra-low Freezer

FEATURES

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.

Eco-friendly and energy-saving series with R170 & R290 green HC refrigerant and cascade 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, 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.

Castors with stoppers for easy moving and fixation.

Special-designed service-free drainage system.

APPLICATIONS

he -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.

-86Â°C ULT FREEZER BEZ1CH1

-86Â°C ULT FREEZER TWINCOOL



Two separate cooling systems in one freezer, if one of them fails, the backup cooling system will start to work automatically.
Security and Reliable, advanced technology, standard backup system, one system can keep the freezer inside temperature at -70Â°C.
Accurate temperature controller, setting temperature range of -40 to -86Â°C
7-inch touch screen display, accuracy of 0.1 Â°C.
Suggested ambient temperature: +10 to 32Â°C.
304 SS inner chamber for friendly use and easy cleaning.
Brand compressor to ensure excellent stability of the cooling system.
Eco-friendly and energy-saving series with R170 & R290 green HC refrigerant and cascade cooling system.
Security

SPECIFICATIONS

Model	BEZ1CH1
Temperature Range	-40 ~ -86Â°C
Ambient Temperature	10~32Â°C
Capacity (L/Cu.Ft.)	728 / 25.71
Noise	55 dB
Cold Rack Max. Loading Capacity (pcs)	254D Rack / 18, 264D 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	220VÂ±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 / Defrost Type	Direct Cooling / Manual
Compressor (Brand/pcs)	SECOP / 2
Refrigerant / Weight (g)	R4001 / 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 (â‰¥100mm) & VIP
Door Lock	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)	963x571x1350 mm
Exterior Dimensions (WxDxH)	1248x975x1995 mm
Packing Dimensions (WxDxH)	1330x1020x2200 mm
Net / Gross Weight	316 / 392 kgs
Package	Plywood box with pallet
Alt Name	-86°C ULT Freezer TwinCool

FEATURES

Two separate cooling systems in one freezer, if one of them fails, the backup cooling system will start to work automatically.
 Security and Reliable, advanced technology, standard backup system, one system can keep the freezer inside temperature at -70°C.
 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.
 304 SS inner chamber for friendly use and easy cleaning.
 Brand compressor to ensure excellent stability of the cooling system.
 Eco-friendly and energy-saving series with R170 & R290 green HC refrigerant and cascade 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, 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.

-86Â°C ULT FREEZER BEZ1C1I

-86Â°C ULT FREEZER TWINCOOL



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 Security

SPECIFICATIONS

Model	BEZ1C1I
Old Model	BFUR-86-315
Temperature Range	-40 ~ -86 Â°C
Ambient Temperature	10~32Â°C
Capacity (L/Cu. Ft.)	838 / 29.6
Noise	55 dB
Cold Rack Max. Loading Capacity (pcs)	255D Rack / 24
2" Cold Box Max. Loading Capacity (pcs)	600
0.5~2ml Vials Max. Loading Capacity (pcs)	60,000
Controller / Display	Microprocessor / 7" Touch Screen
Sensor	PTC
Voltage and Frequency	220VÂ±10%, 50/60Hz
Power	1700 W
Electric Current	10.75 A
Power Consumption (kWh/24h)	19.98
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 / Defrost Type	Direct Cooling / Manual
Compressor (Brand/pcs)	SECOP / 2
Refrigerant / Weight (g)	R400A / 400g
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 (â‰¥100mm) + VIP

Door Lock	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)	894x718x1310 mm
Exterior Dimensions (WxDxH)	1179x1135x1995 mm
Packing Dimensions (WxDxH)	1270x1170x2200 mm
Net / Gross Weight	332 / 407 kgs
Package	Plywood box with pallet
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Biolab Scientific Ltd.

Trillium Executive Center, East Tower, 675 Cochrane Dr, Markham, Ontario L3R 0B8, Canada
Email: info@biolabscientific.com | Website: www.biolabscientific.com