



-40°C FREEZER

-40°C FREEZER

Equipped with precise temperature controls, rugged interiors and safety features, our freezers provide you with the most dependable performance with low maintenance. A perfect partner for your multi cold storage purposes in a contemporary lab set up. Microprocessor based temperature controls provide outstanding temperature uniformity with high quality compressor for energy efficiency.

Used in Widely used for routine cold storage requirements in various laboratories and life science areas including biologicals, pharmaceuticals and clinical applications., Widely used for routine cold storage requirements in various laboratories and life science areas including biological.

100 -40°C FREEZER



- Microprocessor temperature controller
- LCD display
- Danfoss compressor and EBM fan motor
- Exterior made of painted steel board and interior of ABS liner
- Door with safety lock and rotatable sure-grip door handle
- Refrigerant: CFC free R507
- 4-7 drawers made of plastic inside
- 4 casters for easy handling
- Safety functions: Audible/visual alarm for high or low temperature and system failure

SPECIFICATIONS

Model	BFUR-40-101	BFUR-40-102
Capacity	90 L	206 L
Temperature Range	-10°C to -40°C	
Defrosting	Manual	
Internal Dimension	438x388x539 mm	506x451x1007 mm
Overall Dimension	623x544x842 mm	717x656x1547 mm
Drawers/Shelves	4 drawers	-
Weight (Net/Gross)	44/48 kg	97 kg
Input Power	280 W	-
Power Supply	220V, 50Hz	



BFUR-40-101



BFUR-40-102

200 -40°C FREEZER



4.3" color touch screen display

Wide voltage design from 192V to 242V

Pressure-balanced port design, easy to open the door

Four walls and top with 90 mm, bottom with 130 mm

Functions: High / Low Temperature, Hot condenser, Power Failure, Sensor Error, Low Battery, High Ambient temperature, Door Ajar, Remote Alarm

Accessories: Caster, Test hole, Shelvesx3, Door locking device, Pressure balance hole, USB interface

Optional Accessories: Chart Temperature Recorder, Racks & Boxes

SPECIFICATIONS

Model	BFUR-40-201	BFUR-40-202	BFUR-40-203
Capacity	360 L	480 L	580 L
Temperature Range	-10°C to -40°C		
Cooling Performance	-40°C		
Defrosting	Manual		
Climate Class	N		
Cooling Type	Direct Cooling		
Refrigerant	Mixed Refrigerant, CFC free		
Internal Dimension	440Wx580Dx1310H mm	600Wx580Dx1310H mm	740Wx580Dx1310H mm
Overall Dimension	620Wx780Dx1920H mm	780Wx780Dx1920H mm	920Wx780Dx1920H mm
Material	Galvanized steel powder coating		

300 -40°C FREEZER



LED digital display and increment at 0.1°C

Permanently lubricated cooling fan for safety and longevity

Independent inner door to avoid more cooling leaking out, and provide more stable inside temperature performance

High density CFC-Free urethane foam insulation

Build-in lock with safety

Lockable caster design

Chemically stable, CFC -free, commercially available and environmentally safe refrigerant

Optimized refrigeration system designed to maximize cooling effect and temperature uniformity

Visible and Audible alarm

Corrosion proof cabinet interior design

Power failure protect: the device would be attack by the high current when all devices restart simultaneously, the start-delay function would protect device from the damage

SPECIFICATIONS

Model	BFUR-40-301	BFUR-40-302	BFUR-40-303
Capacity	50 L	268 L	278 L
Temperature Range	-10°C to -40°C	-30°C to -40°C	
Ambient Temperature	10°C ~ -32°C		
Defrosting	Manual		
Cooling Type	Direct Cooling		
Insulation Material	PURF		
Refrigerant	HFC	R290	
Internal Dimension	361x429x406 mm	508x455x1137 mm	480x415x1460 mm
Overall Dimension	540x620x1145 mm	673x676x1630 mm	659x600x1694 mm
Package Size	600x707x1170 mm	770x770x1804 mm	710x650x1800 mm
Drawers/Shelves	Shelves		Drawers
Interior	Stainless steel	Color sprayed steel	
Exterior	Color sprayed steel		
Controller	Microprocessor, Digital display		
Sensor	NTC		
Compressor Brand/QTY	SECOP/1	CUBIGEL/1	
Condenser	Finned	Wire tube	Inside foaming
Noise Level	50 db	48 db	50 db
Alarm	High/low temperature, Sensor malfunction, Temperature controller malfunction	High/low temperature, Power off, Sensor malfunction, Temperature controller malfunction	High/low temperature, Sensor malfunction, Temperature controller malfunction, Door ajar
Standard Accessories	Castor, Inner door	Caster	Foot, Castor, Inner door-7drawers
Optional Accessories	Test hole, USB, data logging, Temperature recorder	Test hole	USB data logging, Temperature recorder
Weight (Net/Gross)	75/95 kg	98.5/115 kg	110/120 kg
Input Power	3.5 kWh	4 kWh	1.5 kWh
Average Power	250 W	300 W	185 W
Power Supply	220 V, 50 Hz, 2.5 A	220 V, 50 Hz, 1.6 A	220 V, 50 Hz, 1.5 A

Model	BFUR-40-304	BFUR-40-305	BFUR-40-306
Capacity	328 L	528 L	936 L
Temperature Range	-30°C to -40°C	-20°C to -40°C	-25°C to -40°C
Ambient Temperature	10°C ~ -32°C		
Defrosting	Manual		
Cooling Type	Direct Cooling		
Insulation Material	PURF		
Refrigerant	R290		Mixed-gas
Internal Dimension	508x455x1393 mm	(651x631.5x635)x2 mm	1000x700x1335 mm
Overall Dimension	673x676x1886 mm	900x818.5x1828 mm	1304x1000x2017 mm
Package Size	770x770x2040 mm	997x912x1982 mm	1350x1080x2150 mm
Drawers/Shelves	Shelves		
Interior	Color sprayed steel		Stainless steel
Exterior	Color sprayed steel		
Controller	Microprocessor, Digital display		

Sensor	NTC		PTC
Compressor Brand/QTY	CUBIGEL/1	SECOP/1	
Condenser	Wire tube	Copper tube	Copper tube and finned
Noise Level	50 db	55 db	50 db
Alarm	High/low temperature, Power failure, Sensor malfunction, Temperature controller malfunction, Door ajar	High/low temperature, Power failure, Sensor malfunction, Temperature controller malfunction	High/low temperature, Power failure, Sensor malfunction, Filter screen check, Temperature controller malfunction, Low battery, Condenser clean, High ambient temperature, Door ajar
Standard Accessories	Foot, Castor, Inner door, Remote alarm port	Foot, Castor, Inner door-9 drawerx2, Test hole 2/25 mm, Remote alarm port	Castor, Inner door, Test hole 1/18 mm, Remote alarm port, USB port
Optional Accessories	Test hole, USB data logging, Temperature recorder	USB data logging, Temperature recorder	
Weight (Net/Gross)	113/131 kg	160/180 kg	310/330 kg
Input Power	4 kWh	6.7 kWh	14.5 kWh
Average Power	300 W	345 W	1000 W
Power Supply	220 V, 50 Hz, 1.6 A	220 V, 50 Hz, 2.9 A	220 V, 50 Hz, 5.8 A



BFUR-40-301



BFUR-40-302



BFUR-40-303



BFUR-40-304



BFUR-40-305



BFUR-40-306

400 -40°C FREEZER



- LED digital display and increment at 0.1°C
- Permanently lubricated cooling fan for safety and longevity
- Independent inner door to avoid more cooling leaking out, and provide more stable inside temperature performance
- High density CFC-Free urethane foam insulation
- Build-in lock with safety
- Lockable caster design
- Chemically stable, CFC -free, commercially available and environmentally safe refrigerant
- Optimized refrigeration system designed to maximize cooling effect and temperature uniformity
- Visible and Audible alarm
- Corrosion proof cabinet interior design
- Power failure protect: the device would be attack by the high current when all devices restart simultaneously, the start-delay function would protect device from the damage

SPECIFICATIONS

Model	BFRZ-40-401	BFRZ-40-402
Capacity	105 L	485 L
Temperature Range	-10°C to -40°C	
Ambient Temperature	10°C ~ -32°C	
Defrosting	Manual	
Cooling Type	Direct Cooling	
Insulation Material	PURF	
Refrigerant	HC-R290	
Internal Dimension	480x380x665 mm	1455x525x665 mm
Overall Dimension	680x580x935 mm	1655x755x915 mm
Package Size	740x680x970 mm	1750x875x1050 mm
Interior	Stainless steel	
Exterior	Color sprayed steel	
Controller	Microprocessor, Digital display	
Sensor	NTC	
Compressor Brand/QTY	CUBIGEL/1	
Condenser	Wire tube	
Noise Level	50 db	55 db
Alarm	High/low temperature, Power off, Sensor malfunction, Temperature controller malfunction	
Standard Accessories	Foot, Castor, Test hole 1/25 mm	Foot, Castor
Weight (Net/Gross)	62/70 kg	124 /138 kg
Input Power	1.65 kWh	3.45 kWh
Average Power	120 W	295 W
Power Supply	220V, 50Hz, 1.05A	220V, 50Hz, 2.45A
Optional Accessories	-	Test hole 1/25 mm



BFRZ-40-401



BFRZ-40-402



Biolab Scientific Limited

3660 Midland Avenue, Suite 300, Toronto, Ontario M1V 0B8, Canada

Email: contact@biolabscientific.com | Phone: +1 416 639 2438 | Website: www.biolabscientific.com