



-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 Routine Cold Storage, Laboratories, Biologicals, Pharmaceuticals, Clinical, Research.

Also known as Laboratory ULT freezer, ULT Freezer, Ultra-low Freezer.

400 -40°C FREEZER CHEST



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
Rated Power	120 W	295 W
Power Consumption (Kwh/24hrs)	1.65	3.45
Rated Current A	1.05	2.45
Power Supply	220V, 50Hz	
Optional Accessories	-	Test hole 1/25 mm



BFRZ-40-401



BFRZ-40-402

300 -40°C UPRIGHT 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-40-302	BFUR-40-303	BFUR-40-305	BFUR-40-306
Capacity	268 L	278 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	508x455x1137 mm	480x415x1460 mm	(651x631.5x635)x2 mm	1000x700x1335 mm
Overall Dimension	673x676x1630 mm	659x600x1694 mm	900x818.5x1828 mm	1304x1000x2017 mm
Package Size	770x770x1804 mm	710x650x1800 mm	997x912x1982 mm	1350x1080x2150 mm

Drawers/Shelves	Shelves	Drawers	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	Inside foaming	Copper tube	Copper tube and finned
Noise Level	48 db	50 db	55 db	50 db
Alarm	High/low temperature, Power off, Sensor malfunction, Temperature controller malfunction	High/low temperature, 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	Caster	Foot, Castor, Inner door-7drawers	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		
Weight (Net/Gross)	98.5/115 kg	110/120 kg	160/180 kg	310/330 kg
Rated Power	300 W	185 W	345 W	1000 W
Power Consumption (Kwh/24hrs)	4	1.5	6.7	14.5
Rated Current A	1.6 A	1.5 A	2.9 A	5.8 A
Power Supply	220 V, 50 Hz			



BFUR-40-302



BFUR-40-303



BFUR-40-305



BFUR-40-306

BFUR-40-308 -40°C UPRIGHT FREEZER



Double Door, Drawer x 12, USB port

SPECIFICATIONS

Model	BFUR-40-308
Capacity	358 L
Temperature Range	-20 to -40°C
Alarm	High&low temp, power failure, control error, door open, high ambient temperature
External Dimension	720×830×1870 mm
Power	187~242V, 50/60Hz
Optional Parts	110V transformer; Datalogger

BFUR-40-309 -40°C UPRIGHT FREEZER



SPECIFICATIONS

Model	BFUR-40-309
Capacity	305 L
Temperature Range	-20 to -40°C
Alarm	High&low temp, control error, power failure
External Dimension	1218x840x940 mm
Power	187~242V, 50/60Hz
Optional Parts	110V transformer; Datalogger



Biolab Scientific Ltd.

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

Email: info@biolabscientific.com | Website: www.biolabscientific.com