BioLAB

PRODUCT CATALOG

LABORATORY LOW SPEED REFRIGERATED CENTRIFUGE BET1N2 (BCFLR-301)

CE ISO9001 CERTIFIED

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LABORATORY LOW SPEED REFRIGERATED CENTRIFUGE BET1N2

LARGE CAPACITY REFRIGERATED CENTRIFUGES

• Mitsubishi PLC, Weinview touch screen and a high-torque variable frequency AC motor are used to ensure the stable operation with low noise and create a comfortable laboratory environment.
• Imported fluorine-free refrigeration compressor unit and eco-friendly refrigerant R404a, allowing for a wide temperature control range: -20℃ to + 40℃ (can be set during operation); pre-cooling function (quickly cool down to the set temperature); standby cooling function (maintain the set temperature in the standby state); heating and defrosting function.
• Early warning functions such as overspeed, overheating, imbalance, undervoltage, and overvoltage warnings; three-stage damping shock absorber, a specially combined shock absorbing device to ensure the motor runs smoothly and safely and prevent samples from resuspending, thus securing excellent centrifugal effect.

SPECIFICATIONS

Model	BET1N2
Old Model	BCFLR-301
Max capacity	6x1,000mL
Max speed	6,000r/min
Max RCF	6399xg
Speed accuracy	±30r/min (customizable, multiples of 10)
Refrigeration system	Imported fluorine-free refrigeration compressor unit and eco-friendly refrigerant R404a
Temperature control range	-20℃~+40℃
Temperature control accuracy	±1℃
Number of running programs	16
Control and drive system	High torque variable frequency AC motor, microcomputer control
Timer range	1min-99h59min59s, with continuous centrifugation and instantaneous centrifugation
Rotor recognition	Auto rotor identification
Total power	4.0kW
Noise	< 65dB (A)
Weight	270kg
Dimensions (LxWxH)	710mmx910mmx950mm
Alt Name	Large Capacity Refrigerated Centrifuges

ACCESSORIES FOR PURCHASE

No	Name	Description
1	Fixed-angle Rotor 6x500mL	Max RPM: 6,000r/min Max RCF: 6399xg Bio-isolated rotor cover
2	Swing-out rotor 6x1,000mL	Max RPM: 4,200r/min Max RCF: 5,167xg Standard hood

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FEATURES

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• Imported fluorine-free refrigeration compressor unit and eco-friendly refrigerant R404a, allowing for a wide temperature control range: -20°C to + 40°C (can be set during operation); pre-cooling function (quickly cool down to the set temperature); standby cooling function (maintain the set temperature in the standby state); heating and defrosting function.

• Early warning functions such as overspeed, overheating, imbalance, undervoltage, and overvoltage warnings; three-stage damping shock absorber, a specially combined shock absorbing device to ensure the motor runs smoothly and safely and prevent samples from resuspending, thus securing excellent centrifugal effect.

• Touch control mode for displaying both the set parameters and running parameters, with an intuitive, simple, and easy-to-use interface; operation menu in multiple languages (Chinese, English).

• Biosafety air-tight fix-angle rotor adopting an integral silicone rubber sealing ring (EU RoHS 2015/863) to avoid aerosol overflow and fully ensure the safety of operators and lab environments.

• Stainless steel centrifugal chamber at the rear equipped with an all-steel plastic-sprayed housing, integrally formed stamping steel front cover, and a three-layer steel protective cover, which is sturdy and durable to ensure the safety of operators and labs.

• Easy-to-use mechanical locks suitable for various harsh environments (gently close the door, and the locking system will be triggered to lock the door securely).

• 12 levels speed-up and speed-down control; storage of up to 16 sets of user-defined programs; modification of control parameters of the running rotor at any time; display of speed rise and fall curve, centrifugal integral curve, and temperature curve.

• Casters and carbon steel caster adjustment blocks at the bottom for easy movement and level adjustment of the device.

• CFDA registration and production qualification, with ISO 9001 (2015) and ISO 13485 (2016) certifications.

APPLICATIONS

The centrifuges are widely used in fields such as healthcare (hospitals, CDCs, blood centers, animal husbandry and aquaculture, radioimmunity); research (universities, research institutes, R&D centers, laboratories); production (bioengineering, biopharmaceuticals, genetic engineering, biochemistry, plant extraction, blood preparation, food processing, petrochemical, milk fat separation).

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