



## LABORATORY HIGH SPEED REFRIGERATED CENTRIFUGE BCFLR-304

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## BCFLR-304

### 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°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.

## SPECIFICATIONS

Model	BCFLR-304
Max capacity	6x1,000mL
Max speed	10,000r/min
Max RCF	18203xg
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°C~+40°C
Temperature control accuracy	±1°C
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	5.7kW
Noise	< 65dB (A)
Weight	280kg
Dimensions (LxWxH)	710mmx910mmx950mm
Alt Name	Large Capacity Refrigerated Centrifuges

## ACCESSORIES FOR PURCHASE

No	Name	Description
1	Fixed-angle Rotor 6x250mL	Max RPM: 10,000r/min Max RCF: 15,093xg Bio-isolated rotor cover
2	Fixed-angle Rotor 6x1,000mL	Max RPM: 7,000r/min Max RCF: 11,011xg Bio-isolated rotor cover

3	Cable fiber fixed angle rotor 6x1,000mL	Max RPM: 9,000r/min Max RCF: 18203xg
4	Fixed-angle Rotor 6x500mL	Max RPM: 8,000r/min Max RCF: 11,377xg Bio-isolated rotor cover



1



2



3



4

## FEATURES

- 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.
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- 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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