



FLOOR STANDING LOW SPEED REFRIGERATED CENTRIFUGE BKB-3001

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LOW SPEED REFRIGERATED CENTRIFUGE



Automatic door locking system (optional)

The centrifuge door can be opened or closed by a single soft touch of a button.

The door lid comes with an intelligent anti-pinch device.

Automatic suction device of centrifuging windshield (optional)

The windshield is sucked into the door lid when opened without labor intervention to prevent it from falling down.

Safe Structure

The overall unit has passed MCA ((Maximum Credible Accident test)

After MCA is generated, the centrifuge door lid shall not be opened, and no solid greater than 0.5mm shall be blown out of the centrifuge chamber, the position movement shall not exceed 30cm, ensuring the personal safety of the instrument operator to the greatest extent. (MCA test video can be provided)

SPECIFICATIONS

Model	BKB-3001
Max. Speed	9000rpm
Max. RCF	18610xg
Max. Capacity	6x1000ml
Angle Rotor Max. Speed	9000rpm
Angle Rotor Max. RCF	18610xg
Angle Rotor Max. Capacity	6x1000ml
Swing Rotor Max. Speed	4500rpm
Swing Rotor Max. RCF	6756xg
Swing Rotor Max. Capacity	8x2200ml(12x500ml or 16x500ml blood bag)
Speed Accuracy	±10r/min
Speed Range	100RPM to Max. speed with step 100RPM
Time Setting Range	Two modes: 1min to 99h59min and 1s to 99min59s optional;default mode: 1s to 99min59s
Timing Mode	Start timing after spinning, Start timing after reaching setting speed, Short spinning or Continuous timing, Operation at an appointed time
Temperature Setting Range	-20°C to 40°C, Step 1°C adjustable; the fast pre-cooling temperature can reach -20°C
Temperature Accuracy	±2°C
Pre-cooling Function	Yes
Steps Centrifugation	Yes
Compressor Unit	High Performance Compressor Unit; Compressor with environment-friendly refrigerant(R404a)
Drive System	High Torque Brushless Motor
Noise	≤ 70dB(A)
Power Supply	AC220V±22V 50Hz
Power Consumption	7.5kW
Computer Control	RS485 or RS232
Protection Function	Imbalance Protection, Rotor Identification, Door Lid Anti Pinch Protection, Motor Overheating Protection, Over-speed Protection and Over-temperature Protection
Dimension (WxDxH)	875x996x1000mm
Packing Dimension (WxDxH)	1080x1310x1340mm
Net Weight	575kg
Alt Name	Low Speed Refrigerated Centrifuge

ACCESSORIES FOR PURCHASE

No	Name	Max. Speed	Max. RCF	Max. Capacity
1	Angle Rotor	8000	14472	6x1000ml
2	Adapter	8000	14472	6x500ml
3				6x250ml
4				24x50ml
5				24x50ml(conical)
6	Swing Rotor Yoke	4500	6756	6x2400ml
7	Rectangular buckets			6x2400ml
8	Blood bag adapter	4500	6756	6x2x450ml
9				6x3x300ml
10				6x2x500ml
11	Swing Rotor Yoke	4500	6315	6x2x1000ml
12	Double positions round buckets	4500	6315	6x2x1000ml
13	Swing Rotor Yoke	4000	5606	8x2200ml
14	Oval buckets	4000	5606	8x2200ml
15	Angle Rotor	9000	18610	6x1000ml(Carbon Fibre)

FEATURES

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Reliable Material

Centrifuge chamber adopt 2mm thick 316L stainless steel, Housing (3mm Q235 steel), Containment (22mm Q235 steel), Diaphragm indoor lid (2.5mm Q235 steel)

Built-in safety

Featuring multiple protection, Such as automatic rotor identification, imbalance protection, over-speed protection, over-temperature protection, motor overheating protection, door lid protection, and so on.

Extensible

The system adopts a unified and standard Ethernet communication interface and provides a key parameter point table, to facilitate system expansion and bring data into system monitoring.

Programmable

Save up to 3000 user-defined programs. Users can name each program to distinguish it. Each program can be divided into 5 steps (set speed, time, temperature), to meet the diversified experimental needs.

Energy saving

Dynamic compressor control (DCC) technology for optimized cooling performance. When the door lid is opened, the compressor is closed or the sleep time can be set to save energy. Rotor with windshield, little friction, and generates little heat.

Super-large Capacity

The centrifuge for blood bags can process samples with the capacity of 8x2200ml, and 6x2400ml, separating a max 17.6L sample in one cycle, which greatly improves production efficiency.

ACC/DEC Rates

Featuring 10 acceleration and 11 deceleration rates, to prevent the sample from a second emulsion or turbid, and achieve the best centrifuging result.

Main interface function

In manual mode, the centrifuge parameters can be set quickly, and the G-force and speed can be switched by soft-touching the key. For the online monitoring of temperature and speed, the stability of temperature and speed during spinning can be viewed through the curve.

Powerful System Setting Function

Running data, error code records, and operation records can be stored through the system setting. Chinese / English operation language is optional. And user authority management and other characteristic functions can be managed as well.

Centrifuge Management System(Optional)

It can monitor 1 to 100 centrifuges through the intelligent terminal (computer), monitor the operation status of centrifuges, and save relevant records of centrifuge operation, Establish a safe connection with the centrifuge and remotely control the startup and stopping of the centrifuge.



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