LABORATORY LOW SPEED REFRIGERATED CENTRIFUGE
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Engineered to maximize productivity and reliably deliver a wide range of low speed separations. Stainless steel interiors, integrated refrigeration system and advanced temperature controls make it flexible for your evolving applications. Safety features and low noise operation make it an ideal partner for your day to day separations.

Used in Biolab Benchtop Low Speed Refrigerated Centrifuge is suitable for a wide range of biomedical analysis, immunoenzyme analysis, microplate processing, cell culture applications. Biolab Floor Type Low Speed Refrigerated Centrifuge is suitable for a wide range of biomedical analysis.

100 LABORATORY LOW SPEED REFRIGERATED CENTRIFUGE

Microcomputer controlled programmable operation with touch panel
LED screen displays set and run conditions for easy monitoring
Brushless DC Motor ensures low maintenance, high efficiency and constant speed of rotation
Store 10 programs in centrifuge memory which are retained even after powering down the centrifuge
Stainless Steel interior and exterior made up of anticorrosive ABS material
Durable ABS housing resists chemical spills and limits noise
Real-time conversion of RPM/RCF
Automatic storage of working data
Dependable performance that maximizes your productivity
Minimize sample disturbance during bucket loading and unloading
Refrigerant: CFC-freeR404a
System is complemented by multiple new accessories, including tube racks, centrifuge adapters and rotors
Safety features: Self diagnostic, Rotor unbalance detector, Lid protection, over speed protection, over temperature protection

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>BCBLR-101</th>
<th>BCBLR-102</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
<td>BCBLR-101</td>
<td>BCBLR-102</td>
</tr>
<tr>
<td>Maximum Capacity (No of tubes x Vol.)</td>
<td>24/32x15 ml</td>
<td>4x250 ml</td>
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<td>Temperature Range</td>
<td>-5°C to 35°C</td>
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<tr>
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<tr>
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</tr>
<tr>
<td>Maximum RCF</td>
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<td>9100xg</td>
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<td>Timer Range</td>
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<td>1500 W</td>
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ACCESSORIES

<table>
<thead>
<tr>
<th>Accessory Code</th>
<th>Name</th>
<th>Description</th>
<th>Speed RPM</th>
<th>RCFxg</th>
<th>For Models</th>
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<tbody>
<tr>
<td>BX-103999</td>
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<td>100mlx4</td>
<td>5000</td>
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<tr>
<td>BX-104000</td>
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<td>4000</td>
<td>2810xg</td>
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<td>BX-104001</td>
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<td>2810xg</td>
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<td>BX-104002</td>
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<td>BX-104003</td>
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<td>BX-104004</td>
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<td>4000</td>
<td>2200xg</td>
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<td>5000</td>
<td>5030xg</td>
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<td>BX-104006</td>
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<td>BX-104008</td>
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<td>2810xg</td>
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<td>BX-104009</td>
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<td>BX-104010</td>
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<td>8x96 well</td>
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<td>2200xg</td>
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BCFLR-101 FLOOR TYPE LOW SPEED REFRIGERATED CENTRIFUGE

Microcomputer controlled with programmable operation
LED/LCD screen displays set and run conditions for easy monitoring
Brushless DC Motor ensures low maintenance, high efficiency and constant speed of rotation
Stainless Steel interior and exterior made up of anticorrosive ABS material
Real-time conversion of RPM/RCF
Dual temperature control
Automatic storage of working data
Dependable performance that maximizes your productivity
Minimize sample disturbance during bucket loading and unloading
Refrigerant: CFC-free R404a
System is complemented by multiple new accessories, including tube racks, centrifuge adapters and rotors
Safety features: Self diagnostic, Rotor unbalance detector, Lid protection, Over speed protection, Over temperature protection

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model</th>
<th>BCFLR-101</th>
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</thead>
<tbody>
<tr>
<td>Maximum Capacity (No of tubes x Vol.)</td>
<td>4x1000 ml</td>
</tr>
<tr>
<td>Temperature Range</td>
<td>-20°C to 40°C</td>
</tr>
<tr>
<td>Temperature Accuracy</td>
<td>±1°C</td>
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<tr>
<td>Maximum Speed RPM</td>
<td>5000</td>
</tr>
<tr>
<td>Speed Increment</td>
<td>±50 rpm</td>
</tr>
<tr>
<td>Maximum RCF</td>
<td>4100xg</td>
</tr>
<tr>
<td>Timer Range</td>
<td>0-99 h 59 min</td>
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<tr>
<td>Overall Dimension</td>
<td>620x710x1100 mm</td>
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**Program**

<table>
<thead>
<tr>
<th>Control</th>
<th>Microcomputer</th>
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</thead>
<tbody>
<tr>
<td>Display</td>
<td>LED</td>
</tr>
<tr>
<td>Noise Level</td>
<td>≤65dB</td>
</tr>
<tr>
<td>Weight (Net/Gross)</td>
<td>220/240 kg</td>
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<tr>
<td>Power</td>
<td>1500 W</td>
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<tr>
<td>Power Supply</td>
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**OPTIONAL ACCESSORIES**

<table>
<thead>
<tr>
<th>Accessory Code</th>
<th>Name</th>
<th>Description</th>
<th>Speed RPM</th>
<th>RCFxg</th>
</tr>
</thead>
<tbody>
<tr>
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<td>BX-103464</td>
<td>Swing rotor</td>
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<td>BX-103465</td>
<td>Swing rotor</td>
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<td>4100xg</td>
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<tr>
<td>BX-103466</td>
<td>Swing rotor</td>
<td>1000mlx4</td>
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<td>4100xg</td>
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<tr>
<td>BX-103467</td>
<td>Swing rotor</td>
<td>10mlx148</td>
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<td>3780xg</td>
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**200 LABORATORY LOW SPEED REFRIGERATED CENTRIFUGE**

- Microcomputer controlled programmable operation with push-button operation
- TFT true-colour LCD wide screen displays set and run conditions for easy monitoring
- Brushless DC Motor ensures low maintenance, high efficiency and constant speed of rotation
- Store 20 programs in centrifuge memory which are retained even after powering down the centrifuge
- Fully stainless steel structure and stainless steel cavity makes the machine safe and more efficient
- Triple protective layers of steel bushings
- Acceleration/Deceleration takes around 30 sec to 1 min
- Multiple layers of shock absorbers with auto balancing function
- System is complemented by multiple new accessories, including tube racks, centrifuge adapters and rotors
- Safety features: Self diagnostic, Rotor unbalance detector, Lid protection, over speed protection, over temperature protection

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Model</th>
<th>BCBLR-201</th>
<th>BCBLR-202</th>
<th>BCBLR-203</th>
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<tbody>
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<td>-20°C to 40°C</td>
<td>-20°C to 40°C</td>
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<td>Temperature Range</td>
<td>5500 rpm</td>
<td>6500 rpm</td>
<td>8000 rpm</td>
</tr>
<tr>
<td>Maximum Speed RPM</td>
<td>4800xg</td>
<td>5940xg</td>
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</tr>
<tr>
<td>Speed Increment</td>
<td>±50 rpm</td>
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<td>Overall Dimension</td>
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<td>Program</td>
<td>20 user programs</td>
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<tr>
<td>Display</td>
<td>LCD</td>
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<tr>
<td>Noise Level</td>
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<td>Weight (Net/Gross)</td>
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<td>220V, 50Hz 10A</td>
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**OPTIONAL ACCESSORIES**

<table>
<thead>
<tr>
<th>Accessory Code</th>
<th>Name</th>
<th>Description</th>
<th>Speed RPM</th>
<th>RCFxg</th>
<th>For Models</th>
</tr>
</thead>
<tbody>
<tr>
<td>BX-103177</td>
<td>Fixed Angle Rotor</td>
<td>12x10 ml</td>
<td>5500</td>
<td>4328xg</td>
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<td>BX-103178</td>
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<td>4500xg</td>
<td>All</td>
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<tr>
<td>BX-103179</td>
<td>Swinging-bucket Rotor</td>
<td>24x10 ml</td>
<td>5000</td>
<td>4500xg</td>
<td>All</td>
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<tr>
<td>BX-103180</td>
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<td>4x250 ml</td>
<td>4000</td>
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<tr>
<td>BX-103181</td>
<td>Swinging-bucket Rotor- Adapter</td>
<td>8x50 ml</td>
<td>4000</td>
<td>3290xg</td>
<td>All</td>
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<tr>
<td>BX-103182</td>
<td>Swinging-bucket Rotor- Adapter</td>
<td>24 x 15 ml</td>
<td>4000</td>
<td>3290xg</td>
<td>All</td>
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<tr>
<td>BX-103183</td>
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<td>4000</td>
<td>3290xg</td>
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<tr>
<td>BX-103184</td>
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<td>40 x 5 ml</td>
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<tr>
<td>BX-103185</td>
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<td>BX-103186</td>
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<td>All</td>
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<td>BX-103190</td>
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<td>2810xg</td>
<td>All</td>
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<td>BX-103191</td>
<td>Swinging-bucket rotor- Buckets</td>
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<td>2940xg</td>
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<td>BX-103192</td>
<td>Swinging-bucket Rotor</td>
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<td>3100xg</td>
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<tr>
<td>BX-103193</td>
<td>Swing Micro- Plate Rotor</td>
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<td>2360xg</td>
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<td>12x10 ml</td>
<td>8000</td>
<td>5940xg</td>
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</table>

**200 LABORATORY LOW SPEED REFRIGERATED CENTRIFUGE**

Microcomputer controlled programmable operation with push-button operation
TFT true-colour LCD wide screen displays set and run conditions for easy monitoring
Brushless DC Motor ensures low maintenance, high efficiency and constant speed of rotation
Store 20 programs in centrifuge memory which are retained even after powering down the centrifuge
Fully stainless steel structure and stainless steel cavity makes the machine safe and more efficient
Triple protective layers of steel bushings
Acceleration/Deceleration takes around 30 sec to 1 min
Multiple layers of shock absorbers with auto balancing function
System is complemented by multiple new accessories, including tube racks, centrifuge adapters and rotors
Safety features: Self diagnostic, Rotor unbalance detector, Lid protection, Over speed protection, Over temperature protection
## SPECIFICATIONS

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<thead>
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<th>BCFLR-202</th>
<th>BCFLR-203</th>
<th>BCFLR-204</th>
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<td><strong>Temperature Accuracy</strong></td>
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<td>±1°C</td>
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<td><strong>Maximum Speed RPM</strong></td>
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<tr>
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<td>5940xg</td>
<td>4390xg</td>
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</tr>
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<tr>
<td><strong>Program</strong></td>
<td>20 user programs</td>
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<tr>
<td><strong>Control</strong></td>
<td>Microcomputer</td>
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<td></td>
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<tr>
<td><strong>Display</strong></td>
<td>LCD</td>
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<tr>
<td><strong>Noise Level</strong></td>
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<td><strong>Power Supply</strong></td>
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## OPTIONAL ACCESSORIES

<table>
<thead>
<tr>
<th>Accessory Code</th>
<th>Name</th>
<th>Description</th>
<th>Speed RPM</th>
<th>RCFxg</th>
<th>For Models</th>
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<td>3500xg</td>
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<td>BX-103257</td>
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<td>3780xg</td>
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<tr>
<td>BX-103259</td>
<td>Swinging-bucket Rotor- Adapter</td>
<td>12x50 ml</td>
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<td>3780xg</td>
<td>BCFLR-201, BCFLR-202, BCFLR-203</td>
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<td>BX-103260</td>
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<td>72 x 5 ml</td>
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<td>BCFLR-201, BCFLR-202, BCFLR-203</td>
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<td>BX-103262</td>
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<td>2900xg</td>
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**BCBLR-301 BENCHTOP LOW SPEED REFRIGERATED CENTRIFUGE**

Brushless DC frequency motor, longer life and low noise.
Flexible axle driven system which drive the rotor directly, smooth in operation.
Imported compressors, fluorine-free, double cycle cooling, cold and hot alternating easily, environment pollution-free and precise in temperature control.
Microprocessor control speed, temperature and time, digital display, 10 kinds of accelerating and decelerating speed.
Automatically electric lid lock, super speed, over temperature protection and imbalance protection.
3 layers protection of steel structure, safe and reliable.

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Specification</th>
<th>BCBLR-301</th>
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<tbody>
<tr>
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<tr>
<td>Maximum RCF</td>
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<tr>
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<td>10 user programs</td>
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<td>Microcomputer</td>
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<td>Noise Level</td>
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<td>Weight (Net/Gross)</td>
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**OPTIONAL ACCESSORIES**

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<tr>
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<th>Description</th>
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<th>RCFxg</th>
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<td>BX-104060</td>
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<td>BX-104061</td>
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<td>BX-104062</td>
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<td>BX-104073</td>
<td>Micro plate rotor</td>
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BCBLR-303 BENCHTOP LOW SPEED REFRIGERATED CENTRIFUGE

Brushless DC frequency motor with simpler construction, more reliable performance, longer life and low noise
Imported compressors, fluorine-free, double cycle cooling, cold and hot alternating easily, environment pollution-free and precise in temperature control
Microprocessor control, LCD display which indicates the speed, time, RCF in operation, speed raising and reducing quickly, operate simply. Running parameters can be edited 10 kinds of program stored in the memory, 10 kinds of accelerating and decelerating speed for your choice
Automatically electric lid lock, super speed, over temperature protection and imbalance protection
The centrifuge body is made of high quality steel, safe and reliable
Rotor is connected to spindle by specialized taper sleeve, loading simple and quick, no direction
There are several kinds of rotors for your choice, adapters can be designed by experimental requirements
3 layers protection of steel structure and get the ideal centrifugation result

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model</th>
<th>BCBLR-303</th>
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<td>Maximum Capacity (No of tubes x Vol.)</td>
<td>4x250ml</td>
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OPTIONAL ACCESSORIES

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<th>RCFxg</th>
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BX-104254  Swing out rotor  48x5 ml vacuum tube  4000  2480xg
BX-104255  Swing out rotor  48x7 ml vacuum tube  4000  2760xg
BX-104256  Swing out rotor  40x10 ml vacuum tube  4000  2880xg
BX-104257  Swing out rotor  32x10 ml vacuum tube  4000  2580xg
BX-104258  Swing out rotor  32x7 ml vacuum tube adapter  4000  2580xg
BX-104259  Swing out rotor  32x5 ml vacuum tube adapter  4000  2580xg
BX-104260  Swing out rotor  24x10 ml vacuum tube  4000  2580xg
BX-104261  Swing out rotor  24x7 ml vacuum tube adapter  4000  2580xg
BX-104262  Swing out rotor  24x5 ml vacuum tube adapter  4000  2580xg
BX-104263  Swing out rotor  16x10 ml vacuum tube  4000  2580xg
BX-104264  Swing out rotor  16x7 ml vacuum tube adapter  4000  2580xg
BX-104265  Swing out rotor  16x5 ml vacuum tube adapter  4000  2580xg
BX-104266  Microplate rotor  2x3x48 well  4000  2300xg
BX-104267  Microplate rotor  2x2x96 well  4000  2490xg

300 LABORATORY LOW SPEED REFRIGERATED CENTRIFUGE

Metallic structure and stainless steel cavity makes the machine safe and more efficient
Microcomputer controlled programmable operation with push-button operation
TFT true-colour LCD wide screen displays set and run conditions for easy monitoring
Variable frequency drive system and automatic control system ensures steady operation
Store 16 programs in centrifuge memory which are retained even after powering down the centrifuge
AV Motor of variable frequency and high torque ensures low maintenance, high efficiency and constant speed of rotation
Indication of ascending and declining curves of rotor, centrifugal integral curves and temperature curves
Four layers of shock absorbers with auto balancing function
Acceleration/Deceleration takes around 30 sec to 1 min
Special driver module ensures circuit reliability
High quality compressor allows temperature adjustment and achieves high-precision temperature controls and reduced noise
System is complemented by multiple new accessories, including tube racks, centrifuge adapters and rotors
Safety features: Self diagnostic, Rotor imbalance detector, Lid protection, Over speed protection, Over temperature protection

SPECIFICATIONS

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**OPTIONAL ACCESSORIES**

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<tr>
<th>Accessory Code</th>
<th>Name</th>
<th>Description</th>
<th>Speed RPM</th>
<th>RCFxg</th>
<th>For Models</th>
</tr>
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<tbody>
<tr>
<td>BX-103288</td>
<td>Fixed Angle Rotor</td>
<td>6x500 ml</td>
<td>6000</td>
<td>6680xg</td>
<td>BCFLR-301</td>
</tr>
<tr>
<td>BX-103289</td>
<td>Swinging-bucket Rotor</td>
<td>6x1000 ml</td>
<td>4200</td>
<td>5100xg</td>
<td>BCFLR-301</td>
</tr>
<tr>
<td>BX-103290</td>
<td>Swinging-bucket Rotor</td>
<td>4x1000 ml</td>
<td>4000</td>
<td>4050xg</td>
<td>BCFLR-301</td>
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<td>BX-103665</td>
<td>Angle rotor</td>
<td>6x500 ml</td>
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<td>BCFLR-301-A</td>
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<td>Swing rotor</td>
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<td>BX-103667</td>
<td>Swing rotor</td>
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<td>7000</td>
<td>8620xg</td>
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<tr>
<td>BX-103292</td>
<td>Swinging-bucket Rotor</td>
<td>4x1000 ml</td>
<td>4000</td>
<td>4050xg</td>
<td>BCFLR-302</td>
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<tr>
<td>BX-103293</td>
<td>Fixed Angle Rotor</td>
<td>6x500 ml</td>
<td>8000</td>
<td>11260xg</td>
<td>BCFLR-303</td>
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<tr>
<td>BX-103294</td>
<td>Swinging-bucket Rotor</td>
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<td>4000</td>
<td>4050xg</td>
<td>BCFLR-303</td>
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<td>BX-103295</td>
<td>Fixed Angle Rotor</td>
<td>6 x300 ml</td>
<td>10000</td>
<td>18300xg</td>
<td>BCFLR-304</td>
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<tr>
<td>BX-103296</td>
<td>Fixed Angle Rotor</td>
<td>6 x500 ml</td>
<td>8000</td>
<td>11800xg</td>
<td>BCFLR-304</td>
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<tr>
<td>BX-103297</td>
<td>Fixed Angle Rotor</td>
<td>6 x1000 ml</td>
<td>7000</td>
<td>11500xg</td>
<td>BCFLR-304</td>
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<tr>
<td>BX-103298</td>
<td>Swinging-bucket Rotor</td>
<td>6 x1000 ml</td>
<td>4200</td>
<td>5100xg</td>
<td>BCFLR-304</td>
</tr>
</tbody>
</table>
BCFLR-501 FLOOR TYPE LOW SPEED REFRIGERATED CENTRIFUGE

Brushless frequency motor and brushless DC motor which in great torque, free maintenance, no carbon dust pollution, quick in speed up and down.

Import compressors fluorine free, double cycle cooling, cold and hot alternation easily, free environment pollution and precise in temperature control.

Microprocessor control, digital display which indicates the speed, time, RCF in operation, speed raising and reducing quickly, operate simply. Running parameter can be edited.

10 kinds of program stored in the memory, 10 kinds of accelerating and decelerating speed for your choice.

Automatically electric lid lock, super speed, over temperature protection and imbalance protection. The centrifuge body is made of high quality steel, safe and reliable.

Rotor is connected to spindle by specialized taper sleeve, loading simple and quick, no direction.

There are several kinds of rotors for your choice, adapters can be designed by experimental requirements.

3 tiers protection steel cover.

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model</th>
<th>BCFLR-501</th>
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<tbody>
<tr>
<td>Maximum Capacity (No of tubes x Vol.)</td>
<td>6x1000 ml</td>
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<tr>
<td>Temperature Range</td>
<td>-20°C to 40°C</td>
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<tr>
<td>Temperature Accuracy</td>
<td>±1°C</td>
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<tr>
<td>Maximum Speed RPM</td>
<td>6000</td>
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<tr>
<td>Speed Increment</td>
<td>±20 rpm</td>
</tr>
<tr>
<td>Maximum RCF</td>
<td>6600xg</td>
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<tr>
<td>Timer Range</td>
<td>1~9 h 59 min</td>
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<tr>
<td>Overall Dimension</td>
<td>800x740x930 mm</td>
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<tr>
<td>Control</td>
<td>Microcomputer</td>
</tr>
<tr>
<td>Noise Level</td>
<td>≤60dB(A)</td>
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<tr>
<td>Weight (Net/Gross)</td>
<td>260 kg</td>
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<tr>
<td>Power Supply</td>
<td>AC 220V 50HZ 20A</td>
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OPTIONAL ACCESSORIES

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<thead>
<tr>
<th>Accessory Code</th>
<th>Name</th>
<th>Description</th>
<th>Speed RPM</th>
<th>RCFxg</th>
</tr>
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<tbody>
<tr>
<td>BX-104243</td>
<td>Swing rotor</td>
<td>6x1000 ml (6 bags)</td>
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<td>5100xg</td>
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<td>BX-104244</td>
<td>Angle rotor</td>
<td>6x500 ml</td>
<td>6000</td>
<td>6600xg</td>
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</table>
BCFLR-502 FLOOR TYPE LOW SPEED REFRIGERATED CENTRIFUGE

Brushless DC frequency motor with simpler construction, more reliable performance, longer life.
Flexible axle driven system which drive the rotor directly, smooth in operation, low noise and small vibration.
Imported compressors, fluorine-free, double cycle cooling, cold and hot alternating easily, environment pollution-free and precise in temperature control.
There are 10 kinds of rotors for your choice, especially the continuous rotors which help you purify a large number of test solution continuously.
Microprocessor control speed, temperature and time, digital display, 10 kinds of accelerating and decelerating speed for your choice.
Automatically electric lid lock, super speed, over temperature protection and imbalance protection.
3 layers protection of steel structure, safe and reliable.

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model</th>
<th>BCFLR-502</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Capacity (No of tubes x Vol.)</td>
<td>6x2400 ml</td>
</tr>
<tr>
<td>Temperature Range</td>
<td>-20°C to 40°C</td>
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<tr>
<td>Temperature Accuracy</td>
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<tr>
<td>Maximum Speed RPM</td>
<td>7000</td>
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<tr>
<td>Speed Increment</td>
<td>±20 rpm</td>
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<tr>
<td>Maximum RCF</td>
<td>11900xg</td>
</tr>
<tr>
<td>Timer Range</td>
<td>1~9 h 59 min</td>
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<tr>
<td>Overall Dimension</td>
<td>940x890x1000 mm</td>
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<tr>
<td>Control</td>
<td>Microcomputer</td>
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<tr>
<td>Noise Level</td>
<td>≤60dB(A)</td>
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<td>Weight (Net/Gross)</td>
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<td>Power Supply</td>
<td>AC 220V 50Hz 35A</td>
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ACCESSORIES

<table>
<thead>
<tr>
<th>Accessory Code</th>
<th>Name</th>
<th>Description</th>
<th>Speed RPM</th>
<th>RCFxg</th>
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<tbody>
<tr>
<td>BX-103958</td>
<td>Swing Rotor</td>
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<td>4000 rpm</td>
<td>5530xg</td>
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OPTIONAL ACCESSORIES

<table>
<thead>
<tr>
<th>Accessory Code</th>
<th>Name</th>
<th>Description</th>
<th>Speed RPM</th>
<th>RCFxg</th>
</tr>
</thead>
<tbody>
<tr>
<td>BX-103957</td>
<td>Angle Rotor</td>
<td>6x1000ml</td>
<td>7000 rpm</td>
<td>11900xg</td>
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