



Benchtop Low Speed Refrigerated Centrifuge (BL-RGL-6)

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BL-RGL-6 Benchtop Low Speed Refrigerated Centrifuge is a versatile laboratory equipment designed for precise and efficient centrifugation of various sample types. It offers advanced features, user-friendly controls, and robust safety mechanisms, making it an ideal choice for demanding applications.



Highlights

- ◆ **Advanced Features:** Offers features like 1000 program storage, multi-stage centrifugation, and precise temperature control.
- ◆ **User-Friendliness:** Intuitive LCD touch screen interface and easy-to-use controls.
- ◆ **Safety:** Equipped with imbalance detection, motorized door lock, and gas hinge mechanism.
- ◆ **Durability:** Constructed with high-quality materials, including stainless steel chamber and autoclavable rotors.

The BL-RGL-6 Benchtop Low Speed Refrigerated Centrifuge is a high-performance laboratory instrument capable of handling a wide range of centrifugation tasks. With a maximum speed of 6000 RPM and a maximum relative centrifugal force (RCF) of 5123Xg, it can effectively process various sample types. The centrifuge features a user-friendly LCD touch screen interface that allows for easy viewing and setting of parameters.

The BL-RGL-6 offers advanced functionalities such as the ability to store up to 1000 programs with password protection for enhanced data security. Users can also access up to 1000 run histories for review and analysis. The centrifuge provides precise control over acceleration and deceleration rates, with up to 40 available settings. The multi-stage centrifugation mode allows for complex centrifugation protocols, while the timer range of up to 99 hours, 59 minutes, and 59 seconds ensures flexibility in experiment duration.

The BL-RGL-6 incorporates a refrigeration system that maintains temperatures from -20°C to +40°C with a high temperature accuracy of $\pm 1^\circ\text{C}$. The use of a CFC-free refrigerant and PID dynamic temperature control ensures efficient and environmentally friendly operation. The refrigeration system starts automatically when the centrifuge is powered on and continues to maintain the desired temperature even after the centrifugation process is complete.

Safety is a paramount concern in the BL-RGL-6. The centrifuge features imbalance detection using a three-axis gyroscope to prevent damage in case of uneven sample distribution. A motorized electronic door lock ensures safe operation by preventing the door from opening while the rotor is spinning. The gas hinge mechanism further enhances safety by preventing the door from falling unexpectedly.

The BL-RGL-6 is constructed with high-quality materials, including a thick and strong steel housing for durability and a medical-grade 316 stainless steel chamber for easy cleaning and corrosion resistance. The centrifuge is equipped with a choice of aluminum alloy fixed angle rotors or stainless-steel swing-out rotors, which are both autoclavable for sterilization purposes.





Features

- ◆ Maximum speed of 6000 RPM / 5123Xg
- ◆ Direct RCF setting
- ◆ LCD touch screen interface
- ◆ 1000 program storage with password protection
- ◆ 1000 run histories
- ◆ 40 acceleration and deceleration rates
- ◆ Multi-stage centrifugation mode
- ◆ 99h59m59s timer range
- ◆ Refrigeration from -20°C to +40°C
- ◆ $\pm 1^\circ\text{C}$ temperature accuracy
- ◆ CFC-free refrigerant
- ◆ PID dynamic temperature control
- ◆ Imbalance detection
- ◆ Motorized electronic door lock
- ◆ Gas hinge for door prevention
- ◆ Variable frequency motor
- ◆ Medical-grade 316 stainless steel chamber
- ◆ Autoclavable rotors



Specifications

Model	BL-RGL-6
Max Speed	6000rpm
Max RCF	5123xg
Max Capacity	4x250ml
Temperature Range	-20°C ~ +40°C
Temperature Accuracy	$\pm 1^\circ\text{C}$
Speed Accuracy	$\pm 10\text{rpm}$
Time Setting	1s ~ 99h59m59s
Noise	$\leq 60\text{dB(A)}$
Power Consumption	1200w
Dimension	560x640x390mm
Weight	80kg



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