MC-15　Miniature High-speed Centrifuge

CentrifugeSeries

Introduction

The MC-15 Miniature High-Speed Centrifuge features a compact, streamlined design, high rotor speed and low operating noise. Its small footprint helps save bench space. Equipped with a variable-frequency motor, the MC-15 accelerates efficiently to the target speed and decelerates to a stop, helping save time.

Feature

1. Compact design with a small footprint to save laboratory bench space.
2. Powerful, maintenance-free DC brushless motor for rapid acceleration and quiet, low-noise operation.
3. Reaches a maximum speed of 15,000 rpm and a maximum relative centrifugal force (RCF) of 15,000 × g. The brochure states that acceleration to maximum speed and stopping takes approximately 15 seconds.
4. Backlit LCD displays speed and time.
5. The rotor is made of aluminium alloy, described by the manufacturer as resistant to chemical attack and suitable for repeated dry-heat sterilisation.
6. A "Short" key provides convenient one-touch operation.
7. An airflow design helps reduce temperature rise and protect temperature-sensitive samples.
8. A self-locking lid prevents the cover from being opened while the centrifuge is operating. Press the key to open the cover once operation is complete.
9. Aluminium and plastic rotors are available as options. The aluminium rotor is described as heat-resistant but having a lower acceleration rate. The plastic rotor offers faster acceleration but is not suitable for heat disinfection.



Accessories



No trouble to put tubes in



Metal rotor + Safety cover

Parameter

Model	MC-15	Safety	self-lock, over-speed, over-temp., status diagnosis system
Speed Range	500 ~15000rpm (increment: 100rpm)	Other Functions	speed/RCF switch, touch operation, operating status display, alert
Max. RCF	15000xg	Power	150W
Max. Sample Capacity	2ml/1.5mlx12	Fuse	250V, 5A/10A, Φ5 x20
Time Range	20sec ~99min	Voltage	AC220~230V / AC110~120V, 50/60Hz
Acceleration to Max. Speed	around 15s	Dimension (WxDxH)	220 x 240 x 145mm
Deceleration to Stop	around 15s	Net Weight	5.1kgs
Drive motor	Brushless DC motor		