

Centrifuge With Multiple Rotors



Features:

- Using a brushless motor with high torque and variable frequency which is controlled by an SCM of Microchip's.
- With multiple protection measures such as super speed, over heat and imbalance as well as a special combination.
- Shock absorbers to keep the motor running smoothly. With triple protective layers of steel bushings to achieve secure and reliable operation as well as personnel and equipment safety.
- With TFT true-color LCD wide-screen touch monitor featured by intelligent control, easy and convenient.
- Operation, a touch panel and a simultaneous indication of both the set parameters and operation ones.
- With a motor gate lock mute mechanical & electrical integration.
- Able to provide more than 100 kinds of operating modes for the user to programme and use freely.
- 10 levels for speed-up and speed-down control.
- Maximum rotation speed: 16800r/min, Maximum centrifugal force: 21380xg. Increment 10rpm.

Construction:

Centrifuges are manufactured after a careful Expertise of 20 Years taking the utility of max use by the customer.

Centrifuge Bowl:

The Centrifuge Bowl is made of thick Stainless Steel with joint less construction of Deep drawn Technology.

Automatic Balanced Motor::

Centrifuge has a unique feature of imbalance detection thereby the Intelligence of microprocessor positions the motor for the Uneven imbalance safety.

LID:

Research Team has carefully designed the lid with a paramount feature of Users Safety by providing the Lid with 300% extra Impact load test . The lid is aerosol Tight to ensure the same. The lid is providing with electronic Lock for ensured operator security as well.

Outer Body:

Centrifuge has outer body made of Thick CRC Steel duly Powder Coated for a long lasting life and better exterior.

Digital Timer:

Lab application demands to have the centrifugation for determined time at the Relative Centrifugation force on the samples. Centrifuge has Digital Timer to enable the User Scientist to Preset the Time from 0 to 99 minutes.

Digital Speed Indicator:

Designs enables to have the Operator friendly Feature of Microprocessor based Digital Speed Indication with Pre Set Values programmable upto a MAX of RPM 16800. Digital Relative Centrifugal Force Indicator : Our Centrifuge is capable to have the RCF displayed on the operation of the desired Speed automatically. The max RCF of 21380.

Compact Design Less Weight:

Also are important features of our Careful inputs for the Micro centrifuge .Prime Mover : Alternative Current 230 volts Single phase 50Hz 10Amperes.

Noise Level:

Machine have a very low noise level of 50 decibels.

Rotors:

Micro Centrifuge is designed to undertake different rotor capacities from 0.5 ml to 0.2ml .at Angle Head Centrifugation of desired samples.

Acceleration in seconds: 21/151

Deceleration in seconds: 21/217

Length: 40mm

Angle: 45°

Max Radius: 85mm (3.4")

Temperature Speed: 40°C

Other Features:

Small Footprint and curved design ensure comfortable loading and unloading of samples and cleaning of the unit Safety Lid with motor driven design , Weight imbalance protection

Motorized lid with automatic lid opening.

Short acceleration time to Maximum RCF in <18 seconds.

Short Breaking time from Maximum RCF in <18 seconds.

Over speed Protection

High quality, Extremely robust aluminum lid for rotor allows aerosol-tight centrifugation. Rotor, Buckets, lids, and adapters and autoclavable (20 min,121 °C) to ensure sterility of the centrifuge environment.

Alarm System

Manufactured according to international safety regulations, such as IEC 61010.

EN61010-1,EN61010-2-2, and ISO9001,ISO13458,CE.

Simple intuitive key entry and unique turning knob for fast value setting.

Rotor Auto Recognition

Short spin for short running, continuous spin and time setting spin.

Free Conversion between speed and RCF

Notification System upon completion of run

Emergency unlock for electricity Blackout.

Real Time Modification of Parameter

Smooth rotor chamber is resistant to acids, alkalis, disinfectants used in the laboratory.

Low access height ≤23cm

Space saving design (≤24 cm x 32 cm; W x D).

Microprocessor control led Centrifuge.

Maintenance-free motor.

MODEL	CMR-3116M
Maximum Speed	16800
Maximum RCF (xg)	21380
Identify rotor	Automatic
Operation Programme	100
Speed precision	+50r/min
Refrigeration System	Import fluoride-free compressor and control valve
Temp.control range	-10°C ~ +40°C
Temp.precision	±1°C
Timer range	0-99h59min
Noise	≤50dB
Power	AC230V 50Hz
Dimansion (LxWxH)	710×630×350mm
Weight	75kg

Rotor:

24 X 1.5/2.0ML

Max. Rotational speed:14,000

RCF: 20,800xg

Rotor, lid and adapters has autoclavable (20 min 121°C)

Rotors are made of carbon fiber.

Anodized aluminum for high chemical resistance, aerosol tight centrifugation.

PCR strip fixed angle rotor

Max. Rotational speed: 12000 rpm

Max. RCF: 15350xg

Accommodate up to 6 x 8 tube strips and 48 x 0.2 ml PCR tubes, safe easy handling without additional lid.

Fixed angle Rotor for 6 X 85ml tubes including rotor lid

Rotational speed: 11000 rpm

RCF: 15500 xg

Dix boreholes for different tubes (max tube size: 85 ml)

Conical tubes such as 15 ml and 50ml falcon tubes centrifuges with adapter.

Light weight design for easier handling anodized aluminum for high chemical resistance.

Rotor lid and adapters has autoclavabl (121 OC, 20min)

Adapter for 50 ml tubes

6 x 50 ml

Adapter for 15 ml tubes

6 x 15 ml

Diameter of adapter bore: 17 mm

Maximal rotor capacity 0.5ml and 0.2ml tubes

Regulatory compliances



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