

HIGH SPEED REFRIGERATED CENTRIFUGE



BR16-M REFRIGERATED CENTRIFUGE

High speed refrigerated centrifuge BR16-M can reach a maximum speed of 16500rpm. The refrigeration feature allows for temperature control during the separation process, which is important for maintaining the integrity of certain samples. It is designed to accommodate various types of fixed-angle rotors and adapters, making it suitable for high-speed centrifugation of volumes ranging from 0.2ml to 100ml. Its compact design makes it ideal for laboratories with limited space.

FEATURES:

- Metal housing, metal lid, and stainless steel centrifuge chamber are autoclave-able and resistant to detergents and disinfection liquids.
- Observations window on lid for speed calibration and noise measurement
- Microprocessor control with frequency conversion A.C. motor drive.
- LCD touch screen with simple & clear interface for viewing and setting parameters.
- Double layers sealing ring made for the centrifuge lid and the instrument to keep long good sealing.

TECHNICAL PARAMETERS

MODEL	BR16-M
Maximum speed	16500r/min
Maximum capacity	4 x 100ml
Maximum centrifugal force	31554xg
Display	LCD
Timing range	1-99minutes 59s adjustable
Temperature control range	20°C~+40°C
Demonstrate	5-inch color screen
Dimensions	600×570×380mm
Power source	AC220V 50HZ 15A
total power	1KW
machine noise	≤58dB(A)
Ambient temperature	10°C~30°C
Relative Humidity	≤80%
Centrifuge	φ280
Temperature control accuracy	±1°C
Parameters on display window	RPM (RCF), Time, Temp, ACC, DEC, Program
Motorized lid open & close	Yes
Program memory	30
Lid drop protection	Yes
Power requirement	1000W
Dimension (W x D x H, mm)	600x570x380



Net weight	76kg
Automatic rotor identification	Yes
Safety lid lock	Yes
Power supply	AC220V,50HZ,10A; 110 V optional

ROTER PARAMETERS

Rotor Number	Rotor name	Volume (Number of tubes × ml)	Maximum speed (r/min)	Maximum relative centrifugal force (×g)	Note
NO:01	Fixed Angle Rotor	12 x 1.5/2.2ml	16500	18700	
NO:02	Fixed Angle Rotor	8/10 x 5ml	15000	16600	
NO:03	Fixed Angle Rotor	4 x (8 x 0.2 ml)	14,000	13590	PCR tube
NO:04	Fixed Angle Rotor	24 x 1.5/2.2 ml	14,000	18400	
NO:05	Fixed Angle Rotor	30 x 1.5/2.2ml	13,000	17950	
NO:06	Fixed Angle Rotor	36 x 1.5/2.2 ml	13,000	15490	
NO:07	Fixed Angle Rotor	48 x 1.5/2.2ml	13,000	17570	

ROTER DIAGRAM



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