

Refrigerated Multi Centrifuge

Cat No: MCR-M-15000

MOLEQULE-ON[®]



Description

MCR-M-15000 Refrigerated Centrifuge is a robust and versatile machine designed to perform multi-purpose tasks in laboratories. The machine is highly efficient and precise for centrifugation processes. The range of rotors offered with MCR-M-15000 helps scientists to run different experiments. This benchtop model has an advanced microprocessor control system and very durable, quiet brushless motors which provide a noiseless environment to the end-user.

Features

- Provides temperature range from -20°C to +40°C
- Can reached a maximum of 15000 rpm (depending on the rotor)
- Maintenance-free induction motor
- BACK BUTTON – hold it for 1 second to switch between RPM and RCF on the display
- Fast cooling (to 4°C within max. 6 minutes) with dedicated button
- Can display preselected and real values of speed, time and temperature at the same time
- Continuous operation mode HOLD
- SHORT time operation mode
- Can change parameters during centrifuging
- Automatic lid opening
- Rotor chamber made of stainless steel

Specifications

Model	MCR-M-15000
Voltage	230V
Frequency, $\pm 1\%$	50 Hz
Power consumption (max)	500W
Current protection	6,3A
Cooling medium t eq CO ₂ GWP	R507 (CFC/HCFC free) = 0,14 kg 0,558 3985
Capacity (max)	90ml (6x15ml)
Speed (rpm)	90 - 15000 rpm (step 1 rpm)
g-force (RCF)	21382 x g (step 1 x g)
Running time	00:00:01 - 99:59:59 – [h. : min : s] (1s step)
Time counting	since start button is pressed / since preselected
Short time operation mode (SHORT)	Yes
Continous operation mode (HOLD)	Yes
Number of programs	100
Adjustable temperature	-20 - 40°C* (step 1°C)
Initial cooling (FAST COOL)	Yes
Guaranteed temperature with max. rotor speed	$\leq 4^\circ\text{C}$
Cooling without centrifuging	Yes
Acceleration (ACEL)	10 linear characteristics
Deceleration (DECEL)	10 linear characteristics
USB communication	tak
Electromagnetic compatibility	accordance with PN-EN 55011
Ambient conditions	PN-EN 61010-1 (pkt.1.4.1)
Ambient temperature	2° - 40°C
Humidity (maximum relative humidity)	< 80%
Excess-voltage category	II PN-EN 61010-1
Pollution degree	2 PN-EN 61010-1
Safety area	300 mm
Noise level	$\leq 60\text{dB}$
Weight	33,5 kg
Dimensions:	
height (H)	285 mm
width (W)	299 mm
depth (D)	595 mm
Height with open lid (H _{oc})	565 mm

* Time and possibility of obtaining a set temperature is dependant on multiple factors, including: rotor type, established RPM, ambient temperature; accuracy: $\pm 1^\circ\text{C}$ appropriate for place of temperature sensor

Accessories

Capacity	RPM	RCF	Angle	Cat No.
12×1.5/2ml	15 000	16 854	45°	MCR-M-11199
Adaptors 0.5 ml (Ø 8mm)				MCR-M-14084
Adaptors 0.4 ml (Ø 5.7mm)				MCR-M-14126
Adaptors 0.2 ml (Ø 6.2mm)				MCR-M-14133
24×1.5/2ml	15 000	20 879	45°	MCR-M-11461
Adaptors 0.5 ml (Ø 8mm)				MCR-M-14084
Adaptors 0.4 ml (Ø 5.7mm)				MCR-M-14126
Adaptors 0.2 ml (Ø 6.2mm)				MCR-M-14133
24×1.5/2ml filter tubes/ spin columns	14 000	20 160	45°	MCR-M-11760
20×1.8/1.6ml CRYO SARSTEDT	15 000	21 382	45°	MCR-M-11943
12x5ml EPPENDORF	15 000	21 382	45°	MCR-M-11944
6×10/15ml FALCON	6 000	3 542	30°	MCR-M-11942
Adaptors (Ø 13.3mm)				MCR-M-14082
(4×8)x0.2ml PCR	15 000	17 609	45°	MCR-M-11716
24 Capillaries 75mm	13 000	16 816	90°	MCR-M-12300
Hematocrite reader-round				MCR-M-16166

