



Performance Leading Technology User Friendly Safety



Compact Cooling Centrifuges Compact Cooling Centrifuges Cooling Micro Centrifuges





These newly developed compact bench top Cooling Centrifuges models CM-8 Plus and CM-12 Plus offers quiet operation with very small footprint.

Centrifuge model CM-8 Plus is suitable for routine sample analysis in Medical, Hospital, Pathology and Institutional laboratories. With a wide choice of rotor heads and adaptors, this unit is truly versatile.

Micro Centrifuge model CM-12 Plus is useful for routine applications in bio-technology, PCR, life sciences, bio-chemical and clinical labs etc. This unit is ideal for centrifugation with micro tubes from 0.2 ml upto 1.5 ml.

Performance

- Stable speed output
- High Capacity (CM-8 Plus)
- High Speed (CM-12 Plus)
- Wide variety of rotors & reduction adaptors
- Precise temperature control up to -20°C
- Pre-cooling feature
- Fast spin feature
- Calibration window on lid for speed (rpm)

Leading Technology

- Brushless Induction motor with frequency drive
 ensures gentle start
- Microprocessor based unit with alpha numeric LCD display
- Self-diagnosis of errors
- Parameters setting through easy to use bi-directional encoder
- Inverter fault detection with auto shutdown
- CFC free refrigeration system

User Friendly

- 24 programme memory
- 3 Accelerations, 4 Deceleration profiles
- Choice of rpm / rcf setting & display
- Operating panel with feather touch keys
- Digital countdown timer 0-99 minutes & continuous
 run
- Last set parameters recall (Useful for repetitive analysis)
- Automatic door opening
- Log of cumulative centrifuge run time

Safety

- Automatic Rotor identification
- Safety lid interlock to prevent lid opening during centrifugation
- Imbalance detection & centrifugation stop with display of error
- Motor overload protection
- Gas hinge to prevent falling of door
- Emergency lid lock release





Technical Data						
	CM - 8 Plus	CM - 12 Plus				
Max. Speed (rpm)	6000	16000				
Max. RCF (g)	5070	16600				
Max. Tube Size (ml)	100	5				
Max. Capacity (ml)	400	40				
Min. Temperature (°C)	-20	-20				
Dimensions WxDxH (mm)	480 x 585 x 530					
Supply: 220-240 Volts 50 Hz single Phase						

Angle Rotors for CM-12 Plus						
Models	Capacity	Type of Container	MAX. RPM	MAX. RCF		
RM-1214 M	10 x 2ml	Polycarbonate Tubes	16000	16600		
RM-1215 M	24 x 1.5ml	Polycarbonate Tubes	11850	12175		
RM-1216 M	8 x 5ml	Polycarbonate Tubes	11850	13500		
RM-1217 M	4 x 8 PCR Strips of 0.2ml	Polypropylene Tubes	12000	11910		

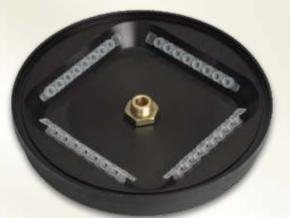
Rotors for CM-8 Plus							
Models	Capacity	Type of Container	Max. RPM	MAX. RCF			
Swing Out Rotors							
R-90 M	4 x 100 ml	Glass Tubes with Bio-safety Caps 4000		2500			
R-81 M	16 X 15 ml	Glass Tubes	4500	3485			
R-81B M	8 X 15 ml	Glass Tubes	4500	3485			
R-82 AM	4 X 50 ml	Glass Tubes	4500	3485			
Angle Rotors							
Models	Capacity	Type of Container	MAX. RPM	MAX. RCF			
R-83 M	16 x 15ml	Polypropylene tubes	6000	4700			
R-83 BM	8 x 15ml	Polypropylene tubes	6000	4700			
R-89 M	24 x 15ml	Polypropylene tubes	Polypropylene tubes 6000				
R-84 M	6 x 50ml	Polypropylene tubes	ylene tubes 6000				
R-88 M	4 x 100ml	Polypropylene tubes	Polypropylene tubes 6000				

Reduction Adaptors for CM-8 Plus										
Models	Capacity	R - 81M	R - 81BM	R - 82AM	R - 83M	R - 83BM	R - 84M	R - 88M	R - 89M	R - 90M
RA-151	1 x wintrob	\checkmark	\checkmark	Х	\checkmark	√	Х	Х	Х	Х
RA-152	1 x 3ml	√	\checkmark	Х	\checkmark	\checkmark	Х	Х	\checkmark	Х
RA-153	1 x 5ml	~	\checkmark	Х	\checkmark	\checkmark	Х	Х	\checkmark	Х
RA-154	1 x 8ml	~	\checkmark	Х	\checkmark	\checkmark	Х	Х	\checkmark	Х
RA-155	1 x 4ml	\checkmark	\checkmark	Х	\checkmark	\checkmark	Х	Х	\checkmark	Х
RA-156	1 x 6ml	\checkmark	\checkmark	х	\checkmark	\checkmark	Х	Х	\checkmark	Х
RA-157	1 x 50ml	Х	Х	х	Х	Х	Х	Х	Х	\checkmark
RA-158	1 x 30ml	Х	Х	Х	Х	Х	Х	Х	Х	\checkmark
RA-160	1 x 15ml	Х	Х	Х	Х	Х	Х	\checkmark	Х	Х
RA-166	3 x 15ml	Х	Х	Х	Х	Х	Х	\checkmark	Х	\checkmark
RA-501	1 x 15 ml	Х	Х	~	Х	Х	\checkmark	Х	Х	Х
RA-502	1 x 30ml	Х	Х	~	Х	Х	\checkmark	Х	Х	Х
Suitable fo	r Falcon Tubes (wit	hout tubes)								
RA-501F	1 x 15ml	Х	Х	\checkmark	Х	Х	\checkmark	Х	Х	Х
RA-160F	1 x 15ml	Х	Х	Х	Х	Х	Х	\checkmark	Х	Х
RA-161F	1 x 50ml	Х	Х	Х	Х	Х	Х	\checkmark	Х	Х
Suitable fo	r Vacutainer Tubes	(without tu	oes)	_	_			_		
RA-162	1 x upto 5ml (75 mm long)	\checkmark	\checkmark	х	х	х	х	х	х	х
RA-163	1 x upto 6ml (100 mm long)	\checkmark	\checkmark	х	х	х	х	х	х	х
RA-164	1 x upto 10ml (100 mm long)	х	х	\checkmark	х	х	\checkmark	х	х	х
RA-167	4 x upto 6ml (100 mm long)	х	х	х	х	х	х	\checkmark	х	\checkmark
RA-168	33 x upto 10ml (100 mm long)	Х	х	Х	х	Х	х	\checkmark	х	\checkmark





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RM-1217 M (4 x 8 PCR Strips of 0.2ml)



RM-1215 M (24 x 1.5ml)







R-81 M (16 X 15 ml)



Specifications subject to change without notice