

Laboratory Centrifuges

**ZERO
COMPROMISE MODELS**

- BRUSHLESS
- ECONOMICAL





LCD Display



LED Display

Laboratory Centrifuges model R-8C Plus & R-8M Plus are suitable for routine sample analysis in Medical, Hospital, Pathology and heads and adaptors, those units are truly versatile.

Micro Centrifuges models R-12C Plus are ideal for growing routine application in biochemical and clinical labs, for Hematocrit, Corpuscle Percentage contents in blood, Serum analysis and precipitate separation etc.

Salient features :

- Automatic rotor identification, ensures operator safety
- Stainless Steel centrifuge Chamber, easy to clean
- Brushless Induction motor with variable frequency drive
- Microprocessor controller with digital display
- Stable speed output even under unstable voltage conditions
- Smooth & soft start
- Low sample temperature rise
- Inverter fault detection with auto shutdown
- 7 segment LED display of speed (R-8C Plus/R-12C Plus)
- Alphanumeric LCD display of speed & RCF (R-8M Plus)
- Selection of 3 acceleration & deceleration profiles (R-8M Plus)
- Digital countdown timer & continuous run

- Safety lid interlock to prevent lid opening during centrifugation
- Imbalance detection & centrifugation stop with display of error
- Dynamic brake for quick deceleration
- Motor overload protection
- Gas hinge to prevent door falling
- Emergency lid lock release
- Last set parameters recall (Useful for repetitive analysis)
- Wide variety of rotors & reduction adaptors

Technical Data			
Models		R-8C Plus R-8M Plus	R-12C Plus
Max. Speed	rpm	6000	16000
Max. RCF	'g'	5070	21000
Max. Capacity	ml	400	40
Digital timer range	Min	0-99	0-99
Noise		≤ 60 dB	≤ 60 dB
WxDxH	mm	380x470x300	380x470x300

Supply:220-240Volts 50 Hz Single Phase.

Nomenclature method of Rotors & accessories

Alphabets in beginning	Numbers in middle
A= Fixed angle rotor	1st numerical = Quantity per insert
S= Swing out rotor	2nd numerical = Tube capacity (ml)
B= Bucket	
RA= Reduction adaptor	
Examples	
S 4-100	(Swing out rotor, 4 tubes of 100ml capacity)
A 24-15	(Angle rotor, 32 tubes of 15ml capacity)
B 9-5	(Bucket, 9 tubes of 5ml capacity)
RA-161F	(Reduction adaptor for falcon)

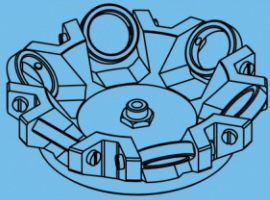
Swingout Rotors (except S 4-100) & Angle Rotors are supplied with suitable SS tubes as carriers

Model Rotor	R-8M Plus/R-8C Plus	R-12C Plus
S 8-15	Yes	
S 6-50	Yes	
S 4-100	Yes	
S 24-15	Yes	
A 6-50	Yes	
A 4-100	Yes	
A 24-15	Yes	
AR 24-75 HE		Yes
AR 12-75 HE		Yes
AR 12-2		Yes
AR 24-2		Yes
AR 8-5		Yes
P 4-8		Yes

Swing Out Rotors for R-8C Plus & R-8M Plus

Image of Tube	Metal Buckets suitable for Swing Out Rotor S 4-100								
	B 100					B 9-5			
Tube Capacity (ml)	100	50	50	30	15	15	10	6	5
Type of Tube	Glass	Glass	Falcon*	Glass	Glass	Falcon*	Vacutainer*	Vacutainer*	Vacutainer* short
∅ x L (mm)	45.5 x 104	30 x 110	29 x 116	24 x 110	17 x 110	16.5 x 120	15.5 x 106	12.5 x 106	12.5 x 81
Bucket No.	B 100	B 100	B 100	B 100	B 100	B 100	B 100	B 100	B 9-5
Insert Cat No.	-	RA 157	RA 161F	RA 158	RA 166	RA 160F	RA 168	RA 167	-
Tubes supplied	Yes	Yes	No	Yes	Yes	No	No	No	No
No of tubes/Insert	1	1	1	1	3	1	3	4	9
No of tubes/rotor	4	4	4	4	12	4	12	16	36

Swing Out Rotor S 8-15 Max. Speed RPM 4500 Max RCF (g) 3440 	Image of Tube							
	Tube Capacity (ml)	15	13	8	6	5	5	3
	Type of Tube	Glass	Borosil Glass	Glass	Vacutainer®	Glass	Vacutainer® short	Glass
	∅ x L (mm)	17 x 110	15 x 125	12 x 100	12.5 x 106	12 x 75	12.5 x 81	10 x 75
	Insert Cat No.	-	-	RA 154	RA 163	RA 153	RA 162	RA 152
	Tubes supplied	Yes	No	Yes	No	Yes	No	Yes
	No of tubes/Insert	1	1	1	1	1	1	1
	No of tubes/rotor	8	8	8	8	8	8	8

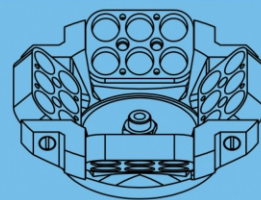


Swing Out Rotor S 6-50

Max. Speed RPM 4500

Max RCF (g) 3530

Image of Tube					
Tube Capacity (ml)	50	30	15	15	10
Type of Tube	Glass	Glass	Falcon®	Glass	Vacutainer®
Ø x L (mm)	30 x 110	24 x 110	16.5 x 120	17 x 110	15.5 x 106
Insert Cat No.	–	RA 502	RA 501F	RA 501	RA 164
Tubes supplied	Yes	Yes	No	Yes	No
No of tubes/Insert	1	1	1	1	1
No of tubes/rotor	6	6	6	6	6



Swing Out Rotor S 24-15

Max. Speed RPM 4500

Max RCF (g) 3330

15	8	6	5	5	3
Glass	Glass	Vacutainer®	Glass	Vacutainer® short	Glass
17 x 110	12 x 100	12.5 x 106	12 x 75	12.5 x 81	10 x 75
–	RA 154	RA 163	RA 153	RA 162	RA 152
Yes	Yes	No	Yes	No	Yes
1	1	1	1	1	1
24	24	24	24	24	24

Angle Rotors for R-8C Plus & R-8M Plus

Angle Rotor A 4-100

Max. Speed RPM 6000

Max RCF (g) 4550

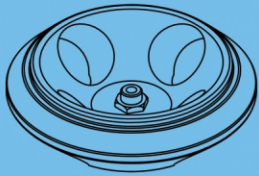


Image of Tube								
Tube Capacity (ml)	100	50	50	15	15	15	10	6
Type of Tube	Plastic	Falcon®	Glass	Glass	Glass	Falcon®	Vacutainer®	Vacutainer®
Ø x L (mm)	45.5 x 104	29 x 116	30 x 110	17 x 110	17 x 110	16.5 x 120	15.5 x 106	12.5 x 106
Insert Cat No.	–	RA 161F	RA 161	RA 160	RA 166	RA 160F	RA 168	RA 167
Tubes supplied	Yes	No	Yes	Yes	Yes	No	No	No
No of tubes/Insert	1	1	1	1	3	1	3	4
No of tubes/rotor	4	4	4	4	12	4	12	16

Angle Rotor AR 6-50

Max. Speed RPM 6000

Max RCF (g) 4700

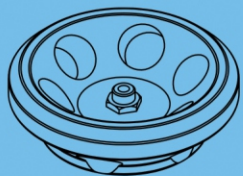


Image of Tube					
Tube Capacity (ml)	50	30	15	15	10
Type of Tube	Plastic	Glass	Glass	Falcon®	Vacutainer®
Ø x L (mm)	30 x 100	24 x 110	17 x 110	16.5 x 120	15.5 x 106
Insert Cat No.	–	RA 502	RA 501	RA 501F	RA 164
Tubes supplied	Yes	Yes	Yes	No	No
No of tubes/Insert	1	1	1	1	1
No of tubes/rotor	6	6	6	6	6

Angle Rotor A 24-15

Max. Speed RPM 6000

Max RCF (g) 5070

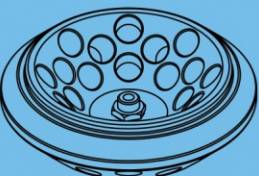
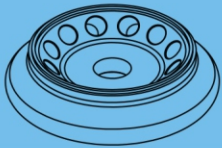




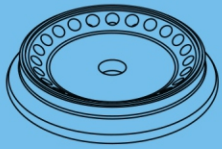





Image of Tube						
Tube Capacity (ml)	15	8	6	5	5	3
Type of Tube	Plastic	Glass	Vacutainer®	Glass	Vacutainer® short	Glass
Ø x L (mm)	17 x 102	24 x 100	12.5 x 106	12 x 75	12.5 x 81	10 x 75
Insert Cat No.	–	RA 154	RA 163	RA 153	RA 162	RA 152
Tubes supplied	Yes	Yes	No	Yes	No	Yes
No of tubes/Insert	1	1	1	1	1	1
No of tubes/rotor	24	24	24	24	24	24





Rotors for R-12C Plus

Angle Rotor AR 12-2 Max speed RPM 16000 Max RCF (g) 16140 	Image of Tube				
	Tube Capacity (ml)	2	1	0.5	0.2
	Type of Tube	Micro	Micro	Micro	Micro
	Insert Cat No.	No	RE 2-1	RE 2-05	RE 2-02
	No of tubes/insert	1	1	1	1
	No of tubes/rotors	12	12	12	12
	Ø x L (mm)	11 x 46	7.5 x 49	7.5 x 31	6 x 22
	Tubes supplied	No	No	No	No

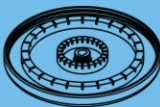
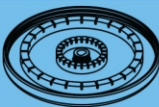
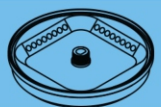



(Rotor supplied with all suitable inserts)

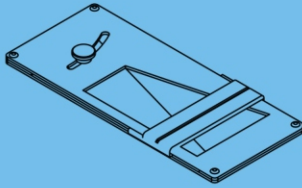
Angle Rotor AR 24-2 Max speed RPM 15000 Max RCF (g) 21000 	Image of Tube			
	Tube Capacity (ml)	1.5	1	0.4
	Type of Tube	Micro	Micro	Micro
	Insert Cat No.	No	RE 2-1	RE 2-04
	No of tubes/insert	1	1	1
	No of tubes/rotors	12	12	12
	Ø x L (mm)	10.5 x 42	7.5 x 49	5.5 x 50
	Tubes supplied	No	No	No

(Rotor supplied with all suitable inserts)

Angle Rotor AR 8-5 Max speed RPM 11850 Max RCF (g) 13500 	Image of Tube			
	Tube Capacity (ml)	5	4	2
	Type of Tube	Micro	Micro	Micro
	Insert Cat No.	No	RE 5-4	RE 5-2
	No of tubes/insert	1	1	1
	No of tubes/rotors	8	8	8
	Ø x L (mm)	16 x 59	10 x 75	10 x 47
	Tubes supplied	No	No	No

(Rotor supplied with all suitable inserts)

Image of Angle Rotors			
Model	AR 24-75 HE	AR 12-75 HE	P 4-8
Max speed RPM	12000	12000	15000
Max RCF (g)	15300	15300	21000
Image of Tube			
Tube Capacity (ml)	1		4 strips of 8 PCR
Type of Tube	Capillary	Capillary QBC-II Plus	PCR
No of tubes/rotors	24	12	4
Ø x L (mm)	1 x 75		6 x 78
Tubes supplied	Yes	No	No

Reading Device RD 24-75	
	
W x D x H	127 x 84 x 18