

Refrigerated Centrifuge

Refrigerated Centrifuge

These centrifuges are designed for use of micro tubes - small capacity tubes, with the facility of inter-changeable rotor heads.



MP 800 R

Technical Data

(RC 8100 SF / RC 8100 F / MP 800 R)

RC 8100 SF : Max RPM 18000, Max RCF : 28600 xg,
RC 8100 F / MP 800 R : Max RPM 10000, Max RCF : 7900 xg,
(W) 900 mm x (D) 640 mm x (H) 585 mm
Weight : 132 Kg, Connected Load : 1.75 kVA,
Max. Tube Size: 200 ml, Max. Capacity: 1200 ml.



RC 8100 SF



TC 8110



TC 4117



TC 8101 & TC 8114



TC 8104

Interchangeable rotor heads for use with RC 8100 SF, RC 8100 F & MP 800 R

TC 8101 Swing Out Rotor Head without buckets

Buckets (carriers) suitable for use with TC 8101 Swing Out Rotor Head

Model	Cap./ml	Max. RPM	Max. RCF xg
TC 8101 A	4x200	5200	5050
TC 8101 B	4x100	6100	6600
TC 8101 C	4x15 RIA (5ml)	5200	4200
TC 8101 V	4x9 Vacutainer (2,3,4 & 5 ml)	5200	4200
TC 8101 VL	4x9 Vacutainer (6 ml)	5200	4200
TC 8101D+E	4x27 RIA (5 ml)	5200	4200
TC 8107	2x1 MTP (Micro Titer Plate)	3400	1700
TC 8108	2x2 MTP (Micro Titer Plates)	3400	1700
TC 8109	4x250	5200	5050

* All rotor heads of TC 4100 series can be accommodated with Model RC 8100 SF

RC 8100 SF

Features :

- Brushless low noise AC Induction Motor and Inverter Drive.
- Programmable Acceleration / Deceleration - range 40- 240 seconds.
- Dynamic brake.
- Digital Speed indicator.
- CFC free cooling with pre-cooling & standby cooling facility.
- Digital temperature indicator - temperature range -10 °C to - 40 °C.
- 1-99 minutes Digital timer & infinite mode.
- Memory of last used program.

Safety :

- Imbalance detection & safety switch off.
- Safety Lid switch.
- Chamber made of Stainless Steel.

RC 8100 F

Features :

- Brushless low noise AC Induction Motor and Inverter Drive.
- Programmable Acceleration / Deceleration - range 40- 240 seconds.
- Dynamic brake.
- Digital Speed indicator.
- CFC free cooling with pre-cooling & standby cooling facility.
- Digital temperature indicator - temperature range -10 °C to + 40 °C.
- 1-99 minutes Digital timer & infinite mode.
- Memory of last used program.

Safety :

- Imbalance detection & safety switch off.
- Safety Lid switch.
- Chamber made of Stainless Steel.

MP 800 R

Features :

- Micro Processor Control.
- Brushless low noise AC Induction motor & variable frequency drive.
- LCD Display.
- Soft Touch keyboard.
- 99 program memory.
- Speed with 10 RPM increment.
- Timer with 1 minute increment.
- Programmable Acceleration / Deceleration (range 60-720 seconds).
- Selector switch for display of working speed/RCF value.
- Other indicators: remaining time, rotor in motion, temperature, imbalance, safety lid open.
- CFC free cooling with pre-cooling & standby cooling facility.
- Digital temperature indicator - temperature range of -10 °C to + 40 °C.
- Temperature with 1 °C increment.

Safety :

- Safety Electrical and Mechanical lock with programmed emergency release mechanism.
- Safety Lid switch.
- Imbalance safety cut off.
- Chamber made of Stainless Steel.

Fixed Angle Rotor Head

Model	Cap./ml	RC 8100 F		RC 8100 SF		MP 800 R	
		RPM	RCF	RPM	RCF xg	RPM	RCF xg
TC 8102	12x25	7000	7100	7000	7100	7000	7100
TC 8103	6x200	7000	7250	7000	7250	7000	7250
TC 8104	8x100	7000	7100	7000	7100	7000	7100
TC 8105	12x50	7000	7100	7000	7100	7000	7100
TC 8106	36x15	7000	7100	7000	7100	7000	7100
TC 4115	18x15	10000	10500	10000	10500	10000	10500
TC 4117	48x1.5/2	10000	10500	10000	10500	10000	10500
TC 4111	24x1.5/2	10000	10500	10000	10500	10000	10500
TC 8101 J	4(4 x 15)	4500	2780	4500	2780	4500	2780
TC 8101 G	4(3 x 15)	4500	2780	4500	2780	4500	2780
TC 8101 I	4(15 x 6)	5200	5050	5200	5050	5200	5050
TC 8110	4 x 250	7000	7250	7000	7250	7000	7250

Reduction Adaptors for use with Swing Out Rotor Carriers

TC 8111	100 ml in 200 ml carrier	TC 8118	5x15 ml in 100 ml carrier
TC 8112	50 ml in 200 ml carrier	TC 8116	25 ml in 100 ml carrier
TC 8114	7x15 ml in 200 ml carrier	TC 8121	1 x 50 ml in 250 ml carrier
TC 8113	3x30 ml in 200 ml carrier	TC 8122	3 x 25 ml in 250 ml carrier
TC 8117	13x5 ml in 200 ml carrier	TC 8123	5 x 15 ml in 250 ml carrier
TC 8115	50 ml in 100 ml carrier	TC 8124	13 x 5 ml in 250 ml carrier