



CENTRIFUGE



Wide Range of Quality Products.

Compact light weight Design.

Leading manufacturer for 38 years.

User friendly operating system.

Programmable Centrifuges with CE marking.

ISO 9001:2008 Certification.

ISO 13485 : 2012 Certification

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MP 6000 R



PP Blood Bag Carrier



12 Bag Carrier



The range of Blood component separation equipment and Hi-Volume Centrifuges are designed for Blood bags, large capacity centrifuge tubes and bottles. These centrifuges are mainly used in chemical and pharmaceutical processing, Biotech Labs, Blood Banks etc. where large volume tubes, bottles and blood bags are used.

MP 6000 R

Features :

- Microprocessor controls.
- 99 program memory.
- Brush less induction motor drives.
- CFC free cooling system.
- Soft Touch Keypad.

Programmable Features :

- Speed control up to 4800 RPM with 10 RPM increment.
- Temperature in the range -20 °C to + 40 °C with 1 °C Working temperature range -5 °C to 20 °C.
- Preset timer range 1 to 120 minutes with 1 minute increment & infinite mode.
- User programmable Acceleration and Deceleration time range from 40 seconds to 450 seconds.

Other Features, Displays & Safety Systems :

- Continues read out of working RCF Value.
- Pre-cooling and standby cooling facility.
- Programmed Emergency lid lock release in case of power failure.
- Safety lid open.
- Imbalance indication and safety switch off mechanism.
- Hydraulic hold for lid.
- Mechanical and Electronic lid lock with indicator.
- Floor Model heavy duty unit with epoxy coated body and stainless steel chamber.

Dimensions:

- Dimension(W x D x H) mm: 860 x 960 x 965.

Technical Data

(MP 6000 R)

(W) 860 mm x (D) 960 mm x (H) 965mm
 Weight : 285 Kg, Connected Load : 10 kVA,
 Max. Speed : 4800 RPM, Max. RCF : 6000 xg,
 Max. Blood Bag Size : 500 ml, Max. Capacity : 6000 ml.

Swing Out Rotor Heads and carriers for Blood Bank Applications suitable for Centrifuge Model MP 6000 R

Model	Cap./ml	RPM	RCF xg
MP 6012	12 Blood Bags of 450 ml (Quadruple Bag System)	4500	6000
MP 6006	6 Blood Bags of 450 ml (Quadruple Bag System)	4500	6000
MP 6004	8 Blood Bags of 450 ml (Quadruple Bag System)	4800	5650

Blood Bank Refrigerated Centrifuge



RC 7500

The range of Hi-Volume Centrifuges are designed for large capacity centrifuge tubes, bottles and blood bags. These centrifuges are mainly used in chemical and pharmaceutical processing, Biotech Labs, Blood Banks etc. where large volume tubes, bottles and blood bags are used.

RC 7500

Features :

- Soft Touch Keypad
- This versatile unit has speed ranges of up to 4500 RPM.
- The control panel incorporate step less speed control & Digital speed meter.
- The Centrifuge is provided with CFC Free Cooling system.
- The unit is provided with control panel comprising autovariac speed control.
- Digital speed indicator.
- 1-99 minutes Digital timer cum indicator with Alarm at automatic switching off.
- Dynamic brake, Digital Temp. control cum indicator with a range of -2 °C to + 40 °C.
- Specially designed cooling system allow pre-cooling of rotor head and also allow the cooling system to work even when the centrifuging operation is complete, thereby eliminating damage to heat sensitive material.

Safety :

- Zero start interlock.
- Lid locking switch.
- Unbalance safety cutoff.
- Gas spring fitted fail safe door.

Design :

- Heavy Duty floor model unit suitable for varying centrifuge applications in Blood Banks, Clinical Laboratories, Chemical and pharmaceutical Industries, Biotechnology and Research Institutions.
- The Centrifuge chamber is made of stainless steel and is effectively insulated and separated from other parts.

Technical Data

(RC 7500)

(W) 860 mm x (D) 960 mm x (H) 965mm, Weight 285 Kg

Max Speed: 4500 RPM, Max RCF 5000 x g

Swing Out Rotor Head and carriers for Blood Bank Applications suitable for Centrifuge Model RC 7500

Model	Cap./ml	RPM	RCF xg
SC 7501W + SC 7501 AW	6 Blood Bags of 450 ml (Quadruple Bag System)	4500	5000



SC 7501 W & SC 7501 AW



TC 450 D



TC 453



TC 452



TC 455

The range of centrifuges are designed for general purpose application with the facility of inter-changeable rotor heads.

TC 450 D

- Soft Touch Keypad.
- Programmable Microprocessor control
- LCD Display of set and working parameters
- Display of RCF Value
- 1-99 minutes Digital timer
- Programmable Acceleration / Deceleration range 30- 300 seconds
- Safety Lid switch
- Imbalance safety cut off.
- Imbalance detection & automatic switch off.

Choice of Rotor Heads

Model	Cap./ml	Type	RPM	RCF xg
TC 451	8x15	S/O	4000	2400
TC 452	8x15	Angle	5000	3450
TC 453	4x50	S/O	4000	2400
TC 454	4x50	Angle	5000	3650
TC 455	12x15	Angle	4000	2950

Technical Data

(TC 450 D)

(W) 320 mm x (D) 410 mm x (H) 290 mm
 Weight : 16.5 Kg, Connected Load : 0.18 kVA,
 Max. Speed : 5000 RPM, Max. RCF : 3650 xg,
 Max. Tube Size : 50 ml, Max. Capacity : 200 ml.

- Vacutainer tubes of 2ml, 4ml, 5ml and 6-10ml can be accommodated with above Centrifuge

The range of centrifuges are designed for multi purpose application with the facility of inter-changeable rotor heads.

Multispin Centrifuge

TC 650 D



- Soft Touch Keypad.
- Programmable Microprocessor control
- LCD Display of set and working parameters
- Display of RCF Value
- 1-99 minutes Digital timer
- Programmable Acceleration / Deceleration-range 30- 300 seconds
- Safety Lid switch
- Imbalance safety cut off.
- Imbalance detection and automatic switch off.

Choice of Rotor Heads for TC 650 D

Model	Cap./ml	Type	RPM	RCF xg
TC 652	16x15	S/O	4200	2900
TC 653	12x15	S/O	4200	2900
TC 654	8x15	S/O	4300	3250
TC 655	6x50	S/O	4350	2950
(Also accepts Mac cartney Bottles)				
TC 656	4x50	S/O	4200	3050
TC 657	16x15	Angle	5200	3900
TC 658	12x15	Angle	5500	3950
TC 659	8x15	Angle	5500	3950
TC 660	6x50	Angle	5100	3750
TC 661	4x50	Angle	5500	3950
TC 662	24x15	Angle	5000	3400

TC 650 F



Features :

- Soft Touch Keypad.
- Brushless low noise AC Induction Motor with variable frequency drive.
- 25 Program Memory
- LCD Display of Speed & time.
- 1-120 minutes Digital timer & Infinite mode.
- Programmable Acceleration / Deceleration-range 12-510 seconds
- Dynamic Brake.
- Safety lid switch
- Solenoid safety lock Imbalance detection and switch off mechanism.

Safety :

- Imbalance detection & safety switch off.
- Safety Lid switch.



TC 660



TC 655



TC 652



TC 657

Choice of Rotor Heads for TC 650F

Model	Cap./ml	Type	RPM	RCF xg
TC 652	16x15	S/O	4500	3330
TC 653	12x15	S/O	4500	3330
TC 654	8x15	S/O	4500	3560
TC 655	6x50	S/O	4500	3155
(Also accepts Mac cartney Bottles)				
TC 656	4x50	S/O	4500	3500
TC 657	16x15	Angle	6000	5190
TC 658	12x15	Angle	6250	5095
TC 659	8x15	Angle	6250	5095
TC 660	6x50	Angle	6000	5190
TC 661	4x50	Angle	6250	5095
TC 662	24x15	Angle	6000	4895
TC 664	4 X 100	Angle	6000	5030



TC 650 F

Technical Data

(TC 650 D & TC 650 F)

(W) 360 mm x (D) 445 mm x (H) 355 mm
 Weight : 20.5 Kg, Connected Load : 0.30 kVA,
 Max. Tube Size : 50 ml, Max. Capacity : 300 ml.

TC 650 D: Max. Speed : 5500 RPM,
 Max RCF : 3950 xg

TC 650 F: Max. Speed : 6250 RPM,
 Max RCF : 5095 xg

- Vacutainer tubes of 2ml, 4ml, 5ml and 6-10ml can be accommodated with above Centrifuge

TC 450 D & TC 650D model are also offered with CE Mark on customer request.

TC 4815 D

model are also offered with CE Mark on customer request.



TC 4815 D

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

TC 4815 D

Features :

- Soft Touch Keypad.
- Programmable Microprocessor control
- LCD Display of set and working parameters
- Display of RCF Value
- 1-99 minutes Digital timer
- Programmable Acceleration / Deceleration range 30-300 seconds
- Safety Lid switch
- Imbalance safety cut off.

Model	Cap./ml	Type	Type of Tube	RPM	RCF
TC 481	24x1.5/2	Angle	Eppendorff	12000	13500
TC 482	24xPCR	Angle	Eppendorff	12000	9800
TC 483	30x0.4	Angle	Eppendorff	12000	12300
TC 484	16x1	Angle	Eppendorff	12000	11700
TC 485	8x3	Angle	Eppendorff	12000	12500
TC 486	6x5	Angle	P.P.(T.B.)	12000	11700
TC 491	10x1	Angle	Glass (R.B.)	16000	17500
TC 492	12x0.5	Angle	Glass (R.B.)	16000	17500
TC 495	Micro Haematocrite Capillary			12000	15500
TC 495R	Reading Device			N.A.	N.A.
TC 496	Micro Haematocrite Capillary 12x QBC-II Plus Carrier			12000	15500



Micro Haematocrite head & reading device

TC 4815 D

Dimension - 320mm(W)x410mm(D)x290mm(H), Weight - 16.5kgs, Connected Load - 0.30KVA
Max Speed - 16000 RPM, Max RCF - 17600 x g, Max Tube - 5ml, Max Capacity - 48ml

● Vacutainer tubes of 2ml, 4ml, 5ml and 6-10ml can be accommodated with above Centrifuge

MP 300 R



Features :

- Soft Touch Keypad.
- 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 12-510 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.
- 1-120 minutes Digital timer.

Safety :

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



TC 481

TC 492

TC 484

● Vacutainer tubes of 2ml, 4ml, 5ml and 6-10ml can be accommodated with above Centrifuge

TC 4815 F

Features :

- Soft Touch Keypad.
- Brushless low noise AC Induction Motor with variable frequency drive.
- 25 Program Memory
- LCD Display of Speed & time.
- 1-120 minutes Digital timer
- Infinite mode, Dynamic Brake
- Programmable Acceleration / Deceleration-range 12-510 seconds
- Solenoid safety lock

Safety :

- Imbalance detection & safety switch off.
- Safety Lid switch.

RC 4815 F

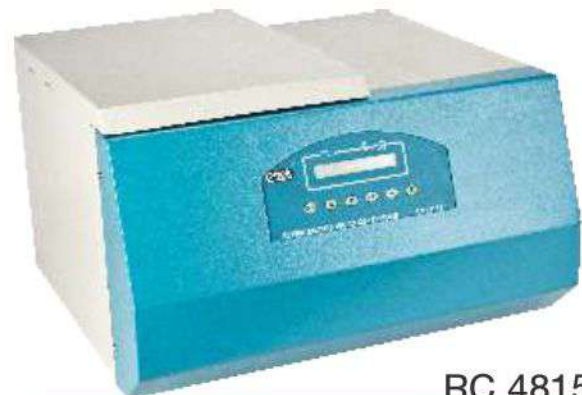
Features :

- Soft Touch Keypad.
- Brushless low noise AC Induction Motor and Inverter Drive
- 25 Program Memory
- Programmable Acceleration / Deceleration- range 12-510 seconds with dynamic brake.
- Imbalance detection & safety switch off.
- Safety Lid switch.
- Digital Speed indicator.
- CFC free system with pre-cooling & standby cooling facility.
- Digital temperature indicator - working chamber temperature range of -10 °C to +40 °C.
- LCD Display of Speed & time.
- 1-120 minutes Digital timer & Infinite mode.
- Solenoid safety lock

Safety :

- Safety Lid switch.
- Chamber made of Stainless Steel.
- Imbalance detection and switch off mechanism

Micro Centrifuge & Refrigerated Micro Centrifuge



RC 4815 F

Technical Data	MP 300R / RC 4815 F	TC 4815 F
Dimension (WxDxH) mm	760 x 490 x 475	320 x 410 x 290
Weight (Kg.)	75	16.5
Connected Load	0.9 kVA	0.30 kVA
Max. speed (RPM)	16000	16000
Max. RCF x g	17600	17600
Max. Tube Size (ml)	5	5
Max. Capacity (ml)	48	48

Rotor head suitable for MP 300R / RC 4815 F / TC 4815 F

Model	Cap./ml	Type	Type of Tube	RPM	RCF
TC 481	24x1.5/2	Angle	Eppendorff	14000	18360
TC 482	24xPCR	Angle	Eppendorff	14000	13320
TC 483	30x0.4	Angle	Eppendorff	13500	15560
TC 484	16x1	Angle	Eppendorff	13500	14790
TC 485	8x3	Angle	Eppendorff	13500	15810
TC 486	6x5	Angle	P.P.(T.B.)	13500	14790
TC 491	10x1	Angle	Glass (R.B.)	16000	17500
TC 492	12x0.5	Angle	Glass (R.B.)	16000	17500
TC 495	Micro Haematocrite Capillary			12300	16270
TC 495R	Reading Device			N.A.	N.A.
TC 496	Micro Haematocrite Capillary 12x QBC-II Plus Carrier			12300	16270
TC497	4 Strip of 8 x 0.2ml	Angle	PCR Strip Tubes	12000	11910



TC 8100 F



TC 8106



TC 8110



TC 8104



TC 8101 & TC 8114



TC 8101 & TC 8101J

Technical Data

(TC 8100 D / TC 8100 F / MP 800)

(W) 450 mm x (D) 570 mm x (H) 510mm

TC 8100 F / MP 800 : Max. Speed : 10000 RPM, Max. RCF : 10500 xg

TC 8100 D : Max. Speed : 7000 RPM, Max. RCF : 7250 xg

Weight 50 Kg, Connected Load : 0.75 kVA,

Max. Tube Size : 200 ml, Max. Capacity : 1200 ml.

Interchangeable rotor heads for use with TC 8100 D , TC 8100 F & MP 800.

Rotor heads suitable to accommodate Conical or falcon tubes can be supplied in TC 8100 F, TC 8100 D, MP 800, RC 8100 F, RC 8100 SF, MP 800 R, MP 800 RS.

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	4x18 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

● Vacutainer tubes of 2ml, 4ml, 5ml and 6-10ml can be accommodated with above Centrifuge

The range of centrifuges are designed for large volume centrifuge tubes for low speed applications.

TC 8100 F

Features :

- Soft Touch Keypad.
- Brushless low noise AC Induction Motor with variable frequency drive.
- 25 program memory.
- LCD Display of Speed & time.
- 1-120 minutes Digital timer & infinite mode.
- Programmable Acceleration / Deceleration- range 12-510 seconds.
- Dynamic Brake.
- Solenoid Safety Lock.

Safety :

- Imbalance detection & safety switch off.
- Safety Lid switch.

TC 8100 D

Features :

- Step less speed regulator.
- Digital speed Indicator.
- 1-99 minutes Digital timer & infinite mode.
- Zero Start interlock.
- Imbalance safety cut off.
- Safety Lid switch.
- Automatic braking while deceleration.

MP 800



Features :

- Soft Touch Keypad.
- Micro Processor Control.
- Brushless low noise AC Induction Motor with 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 12-510 seconds).
- Selector switch for display of working speed/RCF value.
- Other indicators: remaining time, rotor in motion, imbalance, safety lid open.
- 1-120 minutes digital timer

Safety :

- Safety Electrical and Mechanical lock with programmed emergency release mechanism.
- Imbalance detection & safety switch off.
- Safety Lid switch.

Fixed Angle Rotor Head

Model	Cap./ml	TC 8100 D		TC 8100 F		MP 800	
		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
TC 4111	24x1.5/2	-	-	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
TC 4118	24 x3/4 Vacutainer tubes	7000	5000	10000	10400	10000	10400
TC 4119	36 x 6/5/3 Vacutainer tubes	7000	7100	7000	7100	7000	7100

Reduction Adaptors for use with Swing Out Rotor Carriers

TC 8111	100 ml in 200 ml carrier	TC 8118	3x15 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
TC 8125	7x3/4/5/6/7-10ml Vacutainer tubes in 200ml carrier		



MP 400

Technical Data

(TC 4100 D / TC 4100 F / MP 400)

Weight : 50 Kg, Connected Load : 0.75 kVA
 Max. Speed : 20000 RPM,
 Max. RCF : 34500 xg,
 Max. Tube Size : 100 ml,
 Max. Capacity : 400 ml.

TC 4100 D / TC 4100 F / MP 400 :
 (W) 450 mm x (D) 570 mm x (H) 510 mm

Rotor heads suitable to accommodate Conical or falcon tubes can be supplied in TC 4100 F, MP 400, TC 4100 D , RC 4100 D , RC 4100 F ,MP 400 R.

Fixed Angle Rotor Head

Model	Cap./ml	Type of Rotor	TC 4100 F MP 400		TC 4100 D	
			Max. RPM	Max. RCF xg.	Max. RPM	Max. RCF xg.
TC 4101	4x100	Angle	14000	22110	13600	20800
TC 4102	8x50	Angle	13500	22100	13000	20480
TC 4103	6x50	Angle	14500	23000	14200	22070
TC 4104	4x50	Angle	17000	28600	15500	23800
TC 4105	8x25	Angle	15000	24000	14500	22400
TC 4106	6x25	Angle	17000	28700	16700	27700
TC 4107	12x15	Angle	15000	23670	14500	22100
TC 4108	8x15	Angle	16500	27200	15700	24600
TC 4109	6x15	Angle	20000	37000	17500	28400
TC 4110	4x10	Swing Out	12500	16100	12000	14800
TC 4111	24x1.5/2	Angle	20000	30500	18500	26100
TC 4113	24x0.5	Angle	20000	29000	18500	24800
TC 4114	4x25	Swing Out	12000	16000	11500	14700
TC 4115	18x15	Angle	12000	17600	11700	16700
TC 4116	19x0.5	Angle	14000	24600	13500	22900
TC 4117	48x1.5/2	Angle	15000	22100	14600	20900
TC 4118	24x3/4 Vacutainer tubes	Angle	10000	10400	10000	10400
TC 4120	6 Strip of 8 x 0.2ml	Angle	11000	12180		

• Vacutainer tubes of 2ml, 4ml, 5ml and 6-10ml can be accommodated with above Centrifuge

The range of Table Top Centrifuges are designed for high speed centrifuging applications in Research Labs, Colleges, Hospitals etc.

TC 4100 F

Features :

- Soft Touch Keypad.
- Brushless low noise AC Induction Motor with variable frequency drive.
- 25 program memory.
- LCD Display of Speed & time.
- 1-120 minutes Digital timer & infinite mode.
- Programmable Acceleration / Deceleration- range 40- 450 seconds.
- Dynamic Brake.
- Solenoid Safety Lock

Safety :

- Imbalance detection & safety switch off.
- Safety Lid switch.

MP 400



Features :

- Soft Touch Keypad.
- Micro Processor Control.
- Brushless low noise AC Induction Motor with 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 40-450 seconds).
- Selector switch for display of working speed/RCF value.
- Other indicators: remaining time, rotor in motion, imbalance, safety lid open.
- 1-120 minutes Digital timer.

Safety :

- Safety Electrical and Mechanical lock with programmed emergency release mechanism.
- Imbalance detection & safety switch off.
- Safety Lid switch.

TC 4100 D

Features :

- Step less speed regulator.
- Digital speed Indicator.
- 1-99 minutes Digital timer & infinite mode.
- Zero Start interlock.
- Imbalance safety cut off.
- Safety Lid switch.
- Automatic braking while deceleration

Safety :

- Safety Electrical and Mechanical lock with programmed emergency release mechanism.
- Imbalance detection & safety switch off.
- Safety Lid switch.



TC 4111



TC 4104



TC 4117



TC 4108



TC 4107



TC 4115

We can design and develop rotor head to suit your application .

Refrigerated Centrifuge



RC 8100 F

DIMENSION OF (RC 8100 SF / RC 8100 F / MP 800 R / MP 800 RS)
(W) 900 mm x (D) 640 mm x (H) 585 mm

Interchangeable rotor heads for use with
RC 8100 SF, RC 8100 F, MP 800 R & MP 800 RS
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	4x18 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 & MP 800 RS

Fixed Angle Rotor Head

Model	Cap./ml	RC 8100 F/ MP 800 R		RC 8100 SF / MP 800 RS	
		RPM	RCF xg	RPM	RCF xg
TC 8102	12x25	7000	7100	7000	7100
TC 8103	6x200	7000	7250	7000	7250
TC 8104	8x100	7000	7100	7000	7100
TC 8105	12x50	7000	7100	7000	7100
TC 8106	36x15	7000	7100	7000	7100
TC 4115	18x15	10000	10500	12000	16000
TC 4117	48x1.5/2	10000	10500	15000	22100
TC 4111	24x1.5/2	10000	10500	18000	25500
TC 8101 J	4(4 x 15)	4500	2780	4500	2780
TC 8101 G	4(3 x 15)	4500	2780	4500	2780
TC 8101 I	4(15 x 6)	5200	5050	5200	5050
TC 8110	4 x 250	7000	7250	7000	7250
TC 4118	24 x3/4	7000	5000	10000	10400
TC 4119	36 x 6/5/3 Vacutainer tubes	7000	7100	7000	7100

Reduction Adaptors for use with Swing Out Rotor Carriers

TC 8111	100 ml in 200 ml carrier	TC 8118	3x15 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
TC 8125	7x3/4/5/6/7-10ml Vacutainer tubes in 200ml carrier		

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

RC 8100 SF

Features :

- Soft Touch Keypad.
- Brushless low noise AC Induction Motor and Inverter Drive.
- 25 program memory.
- Programmable Acceleration / Deceleration- range 12-510 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.
- Solenoid safety lock

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

Technical Data

- Max RPM - 20000
- Max RCF- 34500 x g
- Weight:132KG
- Connected Load- 1.75KVA
- Max Tube Size-200ML
- Max Capacity-1200ML



TC 8110



TC 4117



TC 8101 & TC 8114



RC 8100 F

Features :

- Soft Touch Keypad.
- Brushless low noise AC Induction Motor and Inverter Drive.
- 25 program memory.
- Programmable Acceleration / Deceleration- range 12-510 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.
- 1-120 minutes Digital timer & infinite mode.
- Solenoid safety lock

Safety :

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

Technical Data

- Max RPM-10000
- Max RCF - 7900 X g
- Weight: 132KG
- Connected Load- 1.75KVA
- Max Tube Size-200ML
- Max Capacity-1200ML

MP 800 R

Features :

- Soft Touch Keypad.
- Micro Processor Control.
- Brush less 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 12-510 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.
- 1-120 minutes Digital timer.

Safety :

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

Technical Data

- Max RPM-10000
- Max RCF- 7900 X g
- Weight:132KG
- Connected Load- 1.75KVA
- Max Tube Size-200ML
- Max Capacity-1200ML

• Vacutainer tubes of 2ml, 4ml, 5ml and 6-10ml can be accommodated with above Centrifuge

MP 800 RS

Features :

- Soft Touch Keypad.
- Micro Processor Control.
- Brush less 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 12-510 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.
- 1-120 minutes Digital timer.

Safety :

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

Technical Data

- Max RPM-20000
- Max RCF-34500
- Weight:132kg
- Connected Load- 1.75KVA
- Max Tube Size- 200ML
- Max Capacity-1200ML

Refrigerated High Speed Research Centrifuge



MP 400 R

RC 4100 F

Features :

- Soft Touch Keypad.
- Brushless low noise AC Induction Motor and Inverter Drive.
- Programmable Microprocessor control
- 25 program memory.
- Programmable Acceleration / Deceleration- range 40- 450 seconds.
- Dynamic brake.
- Digital Speed indicator.
- CFC free cooling with pre-cooling & standby cooling facility.
- Digital temperature indicator - temperature range -20 °C to + 40 °C.
- Working temperature -10 °C to + 40 °C.
- 1-120 minutes Digital timer & infinite mode.
- Solenoid safety lock

Safety :

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

Technical Data

RC 4100 F

(W) 860 mm x (D) 580 mm x (H) 520 mm
 Weight : 114 Kg, Connected Load : 1.75 kVA,
 Max. Speed : 20000 RPM, Max. RCF : 34500 xg,
 Max. Tube Size : 100 ml, Max. Capacity : 400 ml.

The range of Table Top Centrifuges are designed for high speed centrifuging applications in Research Labs, Colleges, Hospitals etc.

MP 400 R



Features :

- Soft Touch Keypad.
- Micro Processor Control.
- Brush less 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 40-450 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 -20 °C to + 40 °C.
- Working temperature -10 °C to + 40 °C.
- Temperature with 1 °C increment.
- 1-120 minutes Digital timer.

Safety :

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

Technical Data

MP 400 R

(W) 860 mm x (D) 580 mm x (H) 520 mm
 Weight : 114 Kg, Connected Load : 1.75 kVA,
 Max. Speed : 20000 RPM, Max. RCF : 34500 xg,
 Max. Tube Size : 100 ml, Max. Capacity : 400 ml.

Fixed Angle Rotor Head

Model	Cap./ml	Type of Rotor	RC 4100 F, MP 400R	
			Max. RPM	Max. RCF xg.
TC 4101	4x100	Angle	14000	22110
TC 4102	8x50	Angle	13500	22100
TC 4103	6x50	Angle	14500	23000
TC 4104	4x50	Angle	17000	28600
TC 4105	8x25	Angle	15000	24000
TC 4106	6x25	Angle	17000	28700
TC 4107	12x15	Angle	15000	23670
TC 4108	8x15	Angle	16500	27200
TC 4109	6x15	Angle	20000	37000
TC 4110	4x10	Swing Out	12500	16100
TC 4111	24x1.5/2	Angle	20000	30500
TC 4113	24x0.5	Angle	20000	29000
TC 4114	4x25	Swing Out	12000	16000
TC 4115	18x15	Angle	12000	17600
TC 4116	192x0.5	Angle	14000	24600
TC 4117	48x1.5/2	Angle	15000	22100
TC 4118	24x3/4 Vacutainer tubes	Angle	10000	10400
TC 4120	6 Strip of 8 x 0.2ml	Angle	11000	12180



TC 4117



TC 4111



TC 4120



TC 4102



TC 4101

- Vacutainer tubes of 2ml, 4ml, 5ml and 6-10ml can be accommodated with above Centrifuge



SC 6100 M

Technical Data

(OC 2F & SC 6100 M)

OC 2F : (W) 505 mm x (D) 580 mm x (H) 525mm, Weight 70 Kg

Max. Speed : 3000 RPM, Max. RCF 1480 xg,

Max. Tube Size : 100 ml, Max. Capacity : 400 ml.

SC 6100 M : (W) 650 mm x (D) 700 mm x (H) 745mm, Weight 90 Kg

Max. Speed : 3000 RPM, Max. RCF : 1760 xg,

Max. Tube Size : 100 ml, Max. Capacity : 600 ml.



OC 1 P & OC 2

Swing Out Rotor Heads with carriers suitable for use with Centrifuge Models SC 6100 M

Model	Capacity	Type of Tests	RPM	RCF
SC 6 P + SC 6102	6 Place S/O for 100 ml Pear shaped tubes	ASTM-D-96	3000	1760
SC 6 T + SC 6104	6 Place S/O for 100 ml Taper bottom tubes, sulfonation flask & bob cock bottles	ASTM-D-91, ASTM-D-96, ASTM-D-1796 ASTM-D-893, IP-75-57, ASTM-D-483, ASTM-D-484, ASTM-D-1019, IP-145	3000	1760

Swing Out Rotor Head with carriers suitable for use with Centrifuge Model OC 2 F

Model	Capacity	Type of Tests	RPM	RCF
OC 1 P + OC 2	4 Place S/O for 100 ml Pear shaped tubes	ASTM-D-96	3000	1480
OC 1 T + OC 4	4 Place S/O for 100 ml Taper bottom tubes, sulfonation flask & bob cock bottles	ASTM-D-91, ASTM-D-96, ASTM-D-1796 ASTM-D-893, IP-75-57, ASTM-D-483, ASTM-D-484, ASTM-D-1019, IP-145	3000	1480



OC 2F

The range of centrifuge is specifically designed for use in Oil Testing for tests as per ASTM and IP standards. The unit is fabricated from steel and epoxy coated.

OC 2 F

- Soft Touch Keypad.
- Brush Less and low noise AC Induction Motor and Inverter drive
- Programmable Microprocessor control
- 25 Program memory
- Speed with 100 RPM Increment
- 1 to 120 minute preset timer with 1 minute increment
- Programmable Acceleration and deceleration time in the range of 40 to 450 seconds.
- LCD displays include working speed and remaining time.
- Imbalance safety system and auto-cut off mechanism
- Zero Start Interlock
- Safety Lid lock
- Dynamic Brake.

SC 6100 M

- Soft Touch Keypad.
- Micro Processor Control with Brush less low noise AC Induction motor & variable frequency drive.
- Soft Touch keyboard.
- 99 program memory.
- Speed with 10 RPM increment.
- Timer with 1 minute increment.
- Programmable Acceleration / Deceleration (range 40-450 seconds).
- Selector switch for display of working speed/RCF value.
- Other indicators: remaining time, rotor in motion, imbalance, safety lid open.
- Safety Electrical and Mechanical lock with programmed emergency release mechanism.

Standard Tests

Type of Tests	Specification	Recommended	
		Max. RPM.	Max. Time
Water & sediments in crude oil	ASTM-D-96	800	10 Mts.
Water & sediments in petroleum products	IP-75	800	10 Mts.
Water & sediments in fuel oils	ASTM-D-1796	800	10 Mts.
Precipitation number of lubricating oils	ASTM-D-91	700	10 Mts.
Stoddard solvent	ASTM-D-483	600	10 Mts.
Olefinic plus aromatic hydrocarbons in petroleum distillates	ASTM-D-1019	400	15 Mts.
Olefinic plus aromatic contents	ASTM-D-893	700	20 Mts.
Unsulphonated residue of petroleum plant	ASTM-D-483	100	10 Mts.
Residue in liquified petroleum (L.P.)	ASTM-D-1266/1657	800	10 Mts.
Trace sediments in lubricating oil	ASTM-D-287/611/86	700	10 Mts.

Medico Centrifuge



TC 815 S

TC 415 ES

A range of centrifuges for general purpose use in Pathology Labs, Small Hospitals, Schools and Colleges. The centrifuge with 5 step speed regulator is provided with Horizontal (Swing Out) Rotor Head.

Technical Data

Model	Unit	TC 415 ES	TC 815 S
Max. Speed	RPM	3700	3500
Max. RCF	xg	1950	1900
Max. Tube Size	ml	15	15
Max. Capacity	ml	60	120
Width	mm	295	310
Depth	mm	295	310
Height	mm	250	290
Weight	kg	6.00	6.50
Connected Load	kVA	0.11	0.13

A range of centrifuges for general purpose use in Pathology Labs, Small Hospitals, Schools and Colleges. The centrifuge with 5 step speed regulator is provided with Fixed Angle Rotor Head. Optional Mechanical Timer of 60 minutes can be offered.

Technical Data

Model	Unit	TC 815 A	TC 245 A
Max. Speed	RPM	4500	4000
Max. RCF	xg	2050	1650
Max. Tube Size	ml	15	5
Max. Capacity	ml	120	120
Width	mm	210	210
Depth	mm	235	235
Height	mm	230	255
Weight	kg	6	6
Connected Load	kVA	0.13	0.13

Clinical Centrifuge



TC 815 A

- Vacutainer tubes of 5ml and 6-10ml can be accommodated with above Centrifuge

Pathological Centrifuge



TC 725 A

- Vacutainer tubes of 5 ml and 6 ml can be accommodated with above Centrifuge

Model TC 725 A are centrifuges designed for Pathology Labs, Hospitals, Blood Banks etc. where large number of low volume samples are to be centrifuged. The centrifuge is provided with stepless speed regulator and 1 to 60 minutes preset timer and Fixed Angle Rotor Head to carry 5 ml disposable tubes.

Technical Data

Model	Unit	TC 725 A
Max. Speed	RPM	4000
Max. RCF	xg	2150
Max. TubeSize	ml	5
Max. Capacity	ml	360
Width	mm	300
Depth	mm	300
Height	mm	250
Weight	kg	10
Connected Load	kVA	0.22



MP 6 K

The range of Hi-Volume Centrifuges are designed for large capacity centrifuge tubes, bottles and blood bags. These centrifuges are mainly used in chemical and pharmaceutical processing, Biotech Labs etc. where large volume tubes & bottles are used.

RC 75 B

- Soft Touch Keypad
- Hi-volume Refrigerated Centrifuge
- Heavy Duty floor model unit suitable for varying centrifuge applications in Pharma & Biotechnology.
- The centrifuge is provided with step less speed control
- Digital speed indicator
- 1-99 Minutes digital timer with bypass switch
- Temperature control cum indicator with working chamber temperature of -10°C to +40°C.
- The Centrifuge chamber is made of stainless steel and is effectively insulated and separated from other parts.

MP 6 K

- High Volume Refrigerated Centrifuge floor model
- Brush Less Motor and Inverter drive
- Microprocessor control
- 99 program memory
- LCD Display of set and working parameters
- Solenoid safety lock.
- Imbalance indication
- Safety switch off mechanism
- Rotor in motion indication
- Safe lid open indication when rotor is static after the spin
- Working RCF reading
- User definable acceleration and deceleration time setting in the range 40 to 450 seconds
- Chamber CFC Free cooling in the range of -10°C to +40°C.

Safety :

- Zero start interlock.
- Lid locking switch.
- Unbalance safety cutoff.
- Gas spring fitted fail safe door.

MP 45

- Floor model centrifuge is heavy duty unit fabricated from steel and epoxy coating.
- Microprocessor controls provided has 99 program memory.
- Brush less induction motor drives.
- The microprocessor control is provided with programmable variable speed control up to 4500 R P M with 10 RPM increment.
- Continues read out of working RCF Value.
- 1 to 120 minutes timer programmable in 1 minute increment with infinite mode.
- User programmable Acceleration and Deceleration time range from 40 seconds to 450 seconds.
- Mechanical and Electronic lid lock with indicator.
- Imbalance indicator and LCD display of set and working parameters.
- Gas spring fitted fail safe door.

Technical Data

(MP 45, MP 6 K & RC 75 B)

MP 6 K & RC 75 B:

(W) 860 mm x (D) 960 mm x (H) 965mm, Weight 285 Kg

MP 45 : (W) 750 mm x (D) 850 mm x (H) 905mm, Weight 200 Kg

MP 45, RC 75 B, MP 6K: Max Speed: 4500 RPM, Max.RCF 6080 x g

Model	Cap./ml	MP 6 K/RC 75 B	
		RPM	RCF
SC 7501+SC 7501A	6x1250 Bottle	2800	2700
MP 61+MP 61A	6x1000 ml Bottle	4000	4800
MP 62+MP 62B	4x1000 ml Bottle	4500	6080

Swing Out Rotor Heads and carriers suitable for General Application in Centrifuge Model MP 6 K & RC 75B

Model	Cap./ml	MP 6 K		RC 75 B		MP 45	
		RPM	RCF	RPM	RCF	RPM	RCF
SC 7701	6x500	4500	3850	4500	3850	4500	3850
SC 7702	8x250	4500	3850	4500	3850	4500	3850
SC 7703	12x100	4500	3850	4500	3850	4500	3850
SC 7704	16x50	4500	3850	4500	3850	4500	3850
SC 7705	36x25	4500	3850	4500	3850	4500	3850
SC 7706	72x15	4500	3850	4500	3850	4500	3850

Fixed Angle Rotor Heads suitable for use with Centrifuge Model MP 6 K, RC 75 B and MP 45

Dimensions and specifications given above are approximate and not binding. We reserve the right to make improvements modifications with out notice.

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