



**High Volume Centrifuge - RC 75 B**



**High Volume Centrifuge - MP 6 K RT**

## REFRIGERATED (COOLING) AND NON-REFRIGERATED FLOOR MODELS

### HIGH VOLUME REFRIGERATED CENTRIFUGE MP 6 K.

Designed for High Volume centrifuging in Pharma and Biotech applications. The floor model centrifuges are made of sturdy steel construction, corrosion resistant epoxy coating and provided with castor wheels for easy mobility and rubber molded leveling jacks for keep the centrifuge steady and leveled when in use. Double walled lid for safety is provided with gas hinges for easy lifting and holding. See through window in lid for inspection and calibration. Two stage anti-vibrator mounted drive motor for safe and vibration free operation. 5 different models are offered.

### HIGH VOLUME REFRIGERATED CENTRIFUGE

MP 6 K AND RC 75 B - are two models for High Volume Refrigerated Centrifuges. Provided with Stainless Steel centrifuge chamber with CFC free refrigeration system and puff insulation. Drainage for condensed liquids.

### HIGH VOLUME CENTRIFUGE -NON REFRIGERATED.

MP 6 B, MP 45 & SC 75 B - are 3 models for High Volume centrifuging without refrigeration and provided with air circulation and ventilation to prevent excessive heating during centrifugation. The steel chamber is provided with corrosion resistant epoxy coating. Stainless steel chamber can be provided if required at extra cost.

## Technical Specifications and Programable features:

Specifications	MP 6 K RT	RC 75 B	MP 6 B	MP 45	SC 75 B
Drive Motor	Brushless AC Induction	DC Motor	Brushless AC Induction	Brushless AC Induction	DC Motor
Control system	Microprocessor with VFD Programable	Digital Controls Programable	Microprocessor with VFD Programable	Microprocessor with VFD Programable	Digital Control Programable
Control Panel	Front mounted , Large Multicolored Touch Screen Display	Front mounted, with LED display	Front mounted, with soft touch key pad, back lit, with LCD Display	Front mounted, with soft touch key pad, back lit, with LCD Display	Front mounted, LED display
Program Memory	99 Program	Last used program	99 Program	99 Program	Last used program
Speed Range- depending on rotor head	200 to 4500 RPM	200 to 4500 RPM	200- 4500 RPM	200-4500 RPM	200-4500 RPM
Speed setting by RCF value	Speed can be set by programing required RCF value	N.A.	Speed can be set by programing required RCF	Speed can be set by programing required RCF	N.A.
Timer- setting range	1 to 120 Minutes& infinite mode	1 to 99 minutes & infinite mode	1 to 120 minutes & infinite mode	1 to 120 minutes & infinite mode	1 to 99 minutes & infinite mode
At set count down timer	Count down start on attaining set RPM	Count down start on attaining set RPM	Count down start on attaining set RPM	Count down start on attaining set RPM	Count down start on attaining set RPM
Rotor Heads & selection	Rotor Head section from system library & programable	N.A.	Rotor Head section from system library & programable	Rotor Head section from system library & programable	N.A.
Over Load / Over speed protection	Drive over load protection built in. Over speed protection by programing the rotor ID	N.A.	Drive over load protection built in. Over speed protection by programing the rotor ID	Drive over load protection built in. Over speed protection by programing the rotor ID	N.A.
Acceleration / Deceleration time	40 to 450 Seconds	Manual acceleration and Dynamic Brake	40 to 450 Seconds	40 to 450 Seconds	Manual acceleration and dynamic brake
Temperature control Range	-20°C to + 40°C (CFC Free cooling)	-20°C to + 40°C (CFC Free Cooling)	N.A. Non- Refrigerated	N.A. Non- Refrigerated	N.A. Non- Refrigerated
Working Temperature Range	0°C to + 40°C	0°C to + 40°C	N.A. Non- Refrigerated	N.A. Non- Refrigerated	N.A. Non- Refrigerated
Pre cooling / Standby Cooling	Fast Pre cooling and standby cooling Offered	Fast Pre cooling and standby cooling Offered	N.A. Non- Refrigerated	N.A. Non- Refrigerated	N.A. Non- Refrigerated
Safety Lid Lock	Electrical , Solenoid & manual lid lock provided	Manual lid lock provided	Electrical , Solenoid & manual lid lock provided	Electrical , Solenoid & manual lid lock provided	Manual lid lock provided
Emergency lid lock release	System programmed lid lock release in case of power failure	System programmed lid lock release in case of power failure	System programmed lid lock release in case of power failure	System programmed lid lock release in case of power failure	System programmed lid lock release in case of power failure
<b>DISPLAYS</b>					
Rotor Head Speed/ RCF Value	Working Speed/ Working RCF value	Working Speed	Working Speed/ Working RCF value	Working Speed/ Working RCF value	Working Speed
Time	Remaining Time	Remaining Time	Remaining Time	Remaining Time	Remaining Time
Rotor in motion Indication	LED Indicator + speed display on screen.	Speed display on screen	LED indicator + speed display on screen	LED indicator + speed display on screen	Speed display on screen
Temperature	Working Chamber Temperature	Working Chamber Temperature	N.A. Non- Refrigerated	N.A. Non- Refrigerated	N.A. Non- Refrigerated
Imbalance	Auto Switch off + Error Message + LED Indication	Auto Switch off	Auto Switch off + Error Message + LED Indication	Auto Switch off + Error Message + LED Indication	Auto Switch off
Lid Open	Error Message + Safe lid open LED indication	Auto Switch off	Error Message + Safe lid open LED indication	Error Message + Safe lid open LED indication	Auto Switch off
Alarm on completion	Audible	Audible	Audible	Audible	Audible

## CHOICE OF ROTOR HEADS FOR USE WITH MP 6 K RT, RC 75 B, MP 6 B, MP 45, SC 75 B SWING OUT ROTOR HEAD AND CARRIERS

Centrifuge Model →	MP 6 K RT	RC 75 B	MP 6 B	MP 45	SC 75 B	
Rotor Model & No. of tubes x ml	Max. RPM	Max. RCF	Max. RPM	Max. RCF	Max. RPM	Max. RCF
MP 61 : 6 Place swing out rotor with wind shield + MP 61 A: set of 6 metal carriers to carry 1000 ml PP bottles	4000	4800	4000	4800	N.A.	N.A.
MP 62 : 4 Place swing out rotor with wind shield + MP 62 B: set of 4 metal carriers to carry 1000 ml PP bottles	4500	6080	4500	6080	N.A.	N.A.

## FIXED ANGLE ROTOR HEADS FOR USE WITH MP 6 K RT, RC 75 B, MP 6 B, MP 45 & SC 75 B

Model	Capacity (ML)	MP 6 K RT	RC 75 B	MP 6 B	MP 45	SC 75 B
SC 7701	6X500 ML	4500	3850	4500	3850	4500
SC 7702	8X250 ML	4500	3850	4500	3850	4500
SC 7703	12X100 ML	4500	3850	4500	3850	4500
SC 7704	16X50 ML	4500	3850	4500	3850	4500
SC 7705	36X25 ML	4500	3850	4500	3850	4500
SC 7705	72X15 ML	4500	3850	4500	3850	4500

## Technical Data:

Model	MP 6 K RT	RC 75 B	MP 6 B	MP 45	SC 75 B
Width x Depth x Height (mm)	660X960X965	660X960X965	750X850X905	750X850X905	750X850X905
Max. Speed (RPM)	4500	4500	4500	4500	4500
Max. RCF (g)	6080	6080	3850	3850	3850
Weight (Kgs.)	285	285	200	200	200
Connected Load	3 kVA				

\* Optional: Data Downloading through computer software using RS 232/485 port Interface.

**ROTOR HEADS AND CARRIERS FOR SPECIFIC APPLICATIONS CAN BE DESIGNED, MANUFACTURED & SUPPLIED AS PER USER SPECIFICATIONS**

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Dimensions and specifications given above are approximate and not binding.

We reserve the right to make improvements/modifications with out notice.

AUTHORISED DEALER