



# Research Centrifuges



## Microprocessor Research Centrifuges

Compufuges model **PR - 23 & PR - 24** are Microprocessor controlled centrifuges used in auxiliary laboratories in industry, Educational & Research institutions, Bio Technology, Medical Laboratories, Hospitals, Blood Banks, Pharmaceutical laboratories and agriculture soil testing for determination of moisture equivalent of soil. It is also suitable for determination of settlement of paints, pastes, cosmetics and food products. Centrifuge rotors & carriers are also suitable for use with variety of Falcon & Vacutainer tubes.

**PR - 23 & PR - 24** have soft touch keypads for fast and accurate setting of run parameters. Basic runs are easy with setting of speed, time, temperature, brake, acceleration and deceleration. Press 'start' key and Compufuge does the rest for you.

Brushless induction motor with frequency drive & unique automatic rotor identification ensures accurate speed setting for individual rotors. Over current overheating safety cutoff circuit is provided for motor protection. Safety lid interlock on the centrifuge ensures that the rotor does not run with cover open while the cover cannot be opened unless rotor comes to complete halt.

### Salient Features:

- User friendly microprocessor control with LED display
- Menu driven ten programme memory
- Choice of high brake, low brake and coasting
- Imbalance detector with cutoff
- Safety lid interlock to prevent cover opening during centrifugation
- Automatic unique safety rotor identification system
- Speed holding accuracy 100 RPM
- Self-diagnosis for errors

## Revolutionary Research Centrifuges

**R - 23 & R 24** centrifuges are widely used in auxiliary laboratories in industry, Educational & Research institutions, Bio Technology, Medical Laboratories, Hospitals, Blood Banks, Pharmaceutical laboratories, Agriculture & Soil testing for determination of moisture equivalent of soil. It is also suitable for determination of settlement of paints, pastes, cosmetics and food products. Centrifuge rotors & carriers are also suitable for use with variety of Falcon & Vacutainer Tubes.

### Salient Features:

- Stepless speed regulator with zero start interlock
- Digital speed indicator
- Dynamic brake
- 0-99 minutes digital count down timer
- Imbalance detector with cutoff
- Safety lid interlock to prevent cover opening during centrifugation

Technical Data					
Models		R-23	R-24	PR-23	PR-24
Max. Speed	rpm	6900	17300	8000	20000
Max. RCF	'g'	7350	27440	8100	37570
Max. Tube size	ml	200	100	250	100
Max. Capacity	ml	1200	400	1200	400
W x D x H	mm	400 x 500 x 455		400 x 500 x 440	
Supply: 220 - 240 Volts 50 Hz Single Phase.					





# Research Centrifuges

## Rotor Heads Listing For R - 23 & PR - 23

Models	Capacity	Type of Rotor	Type of Container	R-23		PR-23	
				Speed (RPM)	RCF 'g'	Speed (RPM)	RCF 'g'
R-230 + R-231	4 X 200 ml	SWING OUT	GLASS	4800	4000	5100	4500
R-230B + R-233B	108 X 5ml (RIA)	SWING OUT	RIA PLASTIC TUBES	5000	3830	5100	3980
R-234	4 X 250ml	SWING OUT	PLASTIC	X	X	5500	5070
R-235	8 X Microtiter	SWING OUT	96 WELL	X	X	3200	1370
R-230A	2 X Microtiter	SWING OUT	96 WELL	3100	1470	3100	1470
R-236	6 X 200ml	ANGULAR	PLASTIC	6900	7350	7000	7560
R-237	8 X 100ml	ANGULAR	PLASTIC	6900	6700	7000	6900
R-238	12 X 50ml	ANGULAR	PLASTIC	6900	6970	7500	7850
R-239	36 X 15ml	ANGULAR	PLASTIC	6900	7240	8000	8100
<b>Angle Heads suitable for Falcon tubes (without Tubes)</b>							
R-238F	12 X 50ml	ANGULAR	FALCON	6900	6970	7000	7450
R-239F	24 X 15ml	ANGULAR	FALCON	6900	7240	7000	7340

## Rotor Heads Listing For R-24 & PR-24

Models	Capacity	Type of Rotor	Type of Container	R-24		PR-24	
				Speed (RPM)	RCF 'g'	Speed (RPM)	RCF 'g'
R-246A	4 X 20 ml	SWING OUT	GLASS	9300	8700	11000	12180
R-241	4 X 100 ml	ANGULAR	PLASTIC	11000	14050	14500	23980
R-242	6 X 50 ml	ANGULAR	PLASTIC	12100	14240	16000	25180
R-243	8 X 25 ml	ANGULAR	PLASTIC	12500	14500	14500	20220
R-244	12 X 15 ml	ANGULAR	PLASTIC	12300	14710	16000	24600
R-243A	6 X 25 ml	ANGULAR	PLASTIC	14100	17120	18000	28980
R-244A	8 X 15 ml	ANGULAR	PLASTIC	15400	20150	18000	27530
R-247	8 X 50 ml	ANGULAR	PLASTIC	10800	13430	14500	24680
R-248	24 X 1.5 ml	ANGULAR	PLASTIC	17300	27440	20000	37570
R-249	6strips of 8 X 0.2 ml	ANGULAR	PCR STRIP TUBES	11000	12180	11000	12180
<b>Angle Heads suitable for Falcon tubes (without Tubes)</b>							
R-244F	8 X 15ml	ANGULAR	FALCON	9000	7880	9000	7880
R-247F	6 X 50ml	ANGULAR	FALCON	9000	9330	9000	9330

### Reduction Adaptors For Swing Out Head (R-230 + R-231)

#### Suitable for Glass Tubes (with tubes)

Models	Tube Capacity	No. of Tubes Per Adaptor	Total No. of Tubes
RA-2311	100ml	1	4
RA-2312	50ml	1	4
RA-2313	30ml	3	12
RA-2314	15ml	7	28

#### Suitable for Vacutainer Tubes (without tubes)

RA-2315	Up to 4ml (100mm long)	6	24
RA-2316	Up to 10ml (100mm long)	5	20
RA-2317	Up to 5ml (75mm long)	6	24

### Reduction Adaptors for Swing Out Head (R-234)

#### Suitable for Glass Tubes (with tubes)

Models	Tube Capacity	No. of tubes per Adaptor	Total no. of Tubes
RA-2341	50 ml	1	4
RA-2342	25 ml	3	12
RA-2343	15 ml	5	20
RA-2344	5 ml	13	52

