

NF 400/400R

MEDIUM CAPACITY BENCH TOP CENTRIFUGES



NF 400/400R bench top centrifuges are designed for daily routine centrifugation requirements. The performance and capacity of NF 400/400R are ideal for the separation of blood samples, urine particle sedimentation and other routine applications in small and medium sized laboratories.

NF 400 is a ventilated model that ensures minimum temperature increase in samples by means of the continuous air flow system through the air channels in the lid.

Refrigerated model, NF 400R, offers wide range of temperature control between -9°C and $+40^{\circ}\text{C}$ for heat sensitive samples and also provides constant sample temperature.

The powerful cooling system can maintain $+4^{\circ}\text{C}$ even at maximum speed for biologically active samples. The refrigerant fluid and insulation material are totally CFC free.

The centrifugation parameters, speed and time and also temperature for NF 400R, are controlled accurately by the programmable microprocessor control system.

The speed and time, as well as temperature for NF 400R, can be observed easily from highly visible digital displays.

The centrifugal force (RCF) can also be displayed according to the selected insert.

The electronic imbalance detection system stops the motor in case of any unbalanced loading.

The chamber is made of stainless steel for easy cleaning and to provide resistance to corrosion.

By means of the lid locking system, the lid can not be opened while the rotor is spinning and the program can not be started if the lid is open.

There is also a warning message, "open", on the display when the lid is opened.

Powerful, quiet and brushless induction motor does not require any maintenance through out years of use and the motor is protected against over heating.

The swing-out rotor with a maximum capacity of 4x100 ml can accommodate the tubes which are used mostly in medical laboratories. As well as the swing-out rotor, microplates can be centrifuged by the microtitre plate rotor and there is also a choice of 12x15 ml angle rotor.



TECHNICAL SPECIFICATIONS

	NF 400	NF 400R
Maximum Speed	4,100 rpm	
Maximum RCF	2,819xg	
Maximum Capacity	Swing-out : 4x100 ml Angle : 16x15 ml	
Control System	Programmable Microprocessor Control System	
Speed Set Range	1,000 – 4,100 rpm	
Speed Set Step	10 rpm	
Timer Set Range	1 - 99 minutes + hold position	
Timer Set Step	1 minute	
Temperature Range	-9°C / +40°C	
Temperature Set Step	1°C	
Motor	Maintenance Free Brushless Induction Motor	
Power Supply	230 V, 50/60 Hz	
Max Power	450 W	750 W
Overall Dimensions (WxDxH) mm	380x465x335	680x510x345
Packing Dimensions (WxDxH) mm	510x440x430	870x650x550
Net/Packed Weight kg	25/30	60/65

SWING-OUT ROTORS

Cat.No	Rotor	Description	Capacity	Max.Tube Dia mm	Max.Radius (mm)	Max.Speed rpm	Max RCF xg
B 50 024	RA 100	Swing-out rotor	4x100 ml		150	4,100	2,819
G 51 001		Set of 4 inserts	1x100 ml	46,5	143	4,100	2,687
G 51 002		Set of 4 inserts	1x50 ml conical	30	147	4,100	2,763
G 51 003		Set of 4 inserts	4x15 ml	17	139	4,100	2,612
G 51 004		Set of 4 inserts	2x15 ml conical	17	150	4,100	2,819
G 51 005		Set of 4 inserts	4x7 ml	13	139	4,100	2,612
G 51 006		Set of 4 inserts	4x5 ml	13	114	4,100	2,142
B 50 018	MP 100	Microtitre plate rotor	2x1 microtitre plate		107	4,100	2,011

ANGLE ROTOR

Cat.No	Rotor	Description	Capacity	Max.Tube Dia mm	Max.Radius (mm)	Max.Speed rpm	Max RCF xg
B 50 025	RS 240	Angle Rotor	16x15 ml	17	114	4,100	2,142

ADAPTORS FOR RS 180 ROTOR

Cat. No	Tube Type	Max. Tube Dia. (mm)
G 03 012	1.5/2 ml microtubes	11
G 03 014	7 ml vacuummed/non vacuummed tubes	13
G 03 015	5 ml vacuummed/non vacuummed tubes	13



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