

# NF 800-800R

## MULTI-PURPOSE BENCH TOP CENTRIFUGES

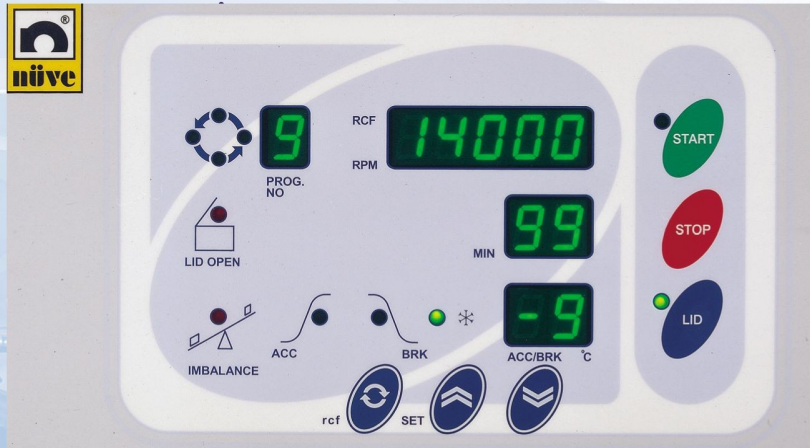




# NF 800

NF 800 multi-purpose bench top centrifuge, as well as NF 800R refrigerated model, are designed to meet most of the centrifugation requirements in the medical, biology, research and quality control laboratories for medium sized samples.

NF 800/800R offer an excellent price-quality ratio in terms of versatility, performance, ease of use, safety and reliability.



For NF 800, continuous air flow system through the air channels in the lid prevents sample heating and limits sample temperature from rising over 12°C even in long operations.

Refrigerated model, NF 800R, ensures wide range of temperature control and display between -9°C and +40°C for thermolabile samples and constant sample temperature.

The powerful cooling system of NF 800R can maintain +4°C even at maximum speed for biologically active samples.

A bowl drain in the chamber enables melted ice and hazardous spillage to be removed safely.

The refrigerant fluid and the insulation are totally CFC-free.



# NF 800 R



With programmable microprocessor control system, the operations are accurate and reliable. Besides, the speed and duration, acceleration and braking rates could be programmed for the sensitive samples. Temperature can also be programmed on NF 800R.

Ten program memories are available for frequently made applications. The program in the memory can be easily recalled and operated to save time.

The use of control panel, which includes four different digital displays for program no, speed/RCF, time, acceleration/braking rates and temperature for NF 800R, is very easy and practical: There are no knobs for manual adjustment and no complex control board to master.

Powerful, quiet, direct drive and brushless induction motor requires no routine maintenance throughout years of use.

NF 800 and NF 800R have many safety features both for the operators and instrument:

- Stainless steel chamber
- Steel barrier ring around the chamber
- Electronic imbalance detection system
- Lid interlock
- Motor over temperature protection
- Rotor over speed protection
- Diagnostic system for possible failures

With a wide range of tube inserts, 4x200 ml swing-out rotor can accommodate most manufacturers' tubes and transparent hermetically sealing caps provide protection against pathogenic or hazardous samples in case of tube brakeage. MP 200 microtitre plate rotor can spin up to 6 microtitre plate.

For high speed requirements, there are two angle rotors with the capacities of 6x50 ml. and 24x1.5/2 ml.

30x15ml. angle rotor is ideal for low speed requirements. All angle rotors have different type of adaptors as well.



## ACCESSORIES

### SWING-OUT ROTOR AND ACCESSORIES

Cat. No	Rotor	Description	Capacity	Max.Tube Dim. (mm)	Radius (mm)	Max.Speed (rpm)	Max.RCFxg
B 50 013	RA 200	Swing-out Rotor	4 x 200 ml.		162	4,100	3,045
G 51 026		Set of 4 buckets	200 ml.	57			
G 51 033		Set of 4 buckets with sealing cap	200 ml.	57			
G 51 032		Set of 4 PP bottles with cap	200 ml.	56.5			
G 51 031		Set of 4 inserts	1 x 100 ml.	45			
G 51 030		Set of 4 inserts	1 x 50 ml. conical	30			
G 51 028		Set of 4 inserts	7 x 15 ml.	17			
G 51 029		Set of 4 inserts	3 x 15 ml. conical	17			
G 51 027		Set of 4 inserts	7 x 5/7 ml.	13.5			
B 50 021	MP 200	Microtitre rotor	2x3 microtitre plate		125	4,100 rpm.	2,349

Note : 200 ml. bottles do not require inserts.

### ANGLE ROTOR AND ACCESSORIES

Cat. No	Rotor	Description	Capacity	Max.Tube Dim. (mm)	Radius (mm)	Max.Speed (rpm)	Max.RCFxg
B 50 017	RS 300	Angle rotor	6 x 50 ml.	29.5	104	9,000	9,418
G 51 024		Set of 6 adaptors	6 x 15 ml. conical	17			
G 51 025		Set of 6 rubber base adaptors	50 ml. conical tubes	29.5			
B 50 015	RS 450	Angle rotor	30 x 15 ml.	17	160	4,100	3,007
G 03 012		Adaptor	1 x 1.5/2 ml.	11			
G 03 014		Adaptor	1 x 7 ml.	13			
G 03 015		Adaptor	1 x 5 ml.	13			
B 50 014	RS 24	Angle rotor with lid	24 x 1.5/2 ml.	11	84	14,000	18,405
A 14 005		Adaptor	1 x 500/800 µl	8			
A 14 006		Adaptor	1 x 200 µl PCR	6.5			
A 14 007		Adaptor	1 x 250/400/700 µl	6			

## SPECIFICATIONS

	NF 800	NF 800R
Maximum Speed	Swing-out: 4,100 rpm	Angle: 14,000 rpm
Maximum RCF	Swing-out: 3,045xg	Angle: 18,405xg
Maximum Capacity	Swing-out: 4x200 ml.	Angle: 6x50 ml.
Speed Set Range	500 - 14,000 rpm	
Speed Set Step	10 rpm	
Speed Control Accuracy	±20 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
Temperature Performance	Limited to ambient temp. +12°C at max. speed.	+4°C at max. speed
Acceleration/Braking Rates	10/10	
Motor	Maintenance-free, brushless induction motor	
Power Supply	230 V, 50/60 Hz	
Maximum Power	500 W	800 W
Overall Dimensions (WxDxH) mm	455x545x400	770x540x400
Packing Dimensions (WxDxH) mm	520x600x610	870x650x570
Net/Packed Weight, kg	44/48	75/86



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We reserve the right to modify the design and description

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