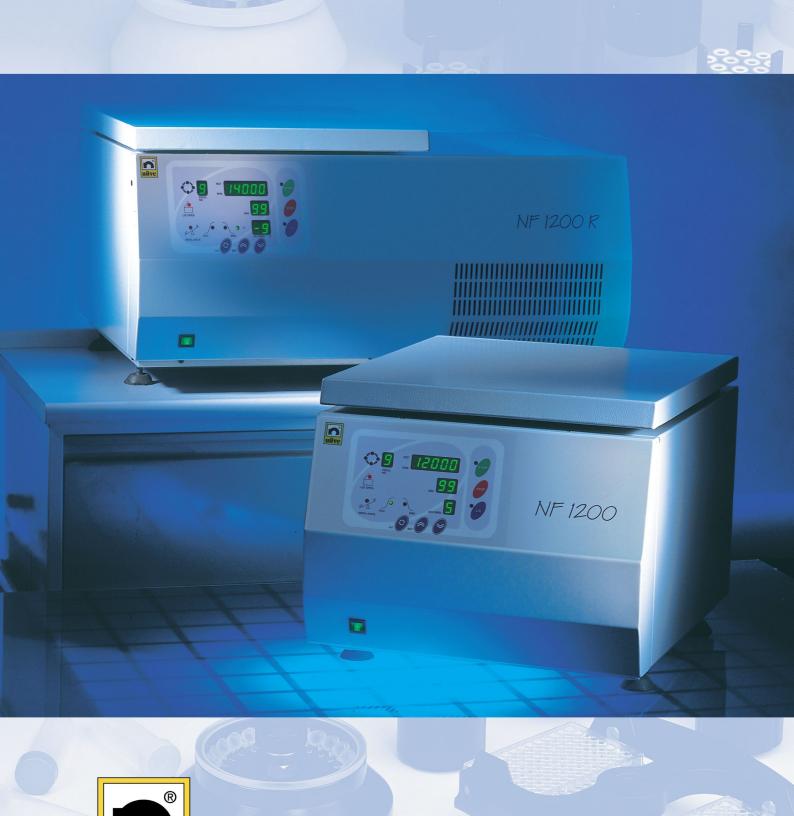
## NF 1200-1200R

niive

### MULTI-PURPOSE BENCH TOP CENTRIFUGES



# **NF 1200**

The new generation NF 1200/NF 1200R multi-purpose bench top centrifuges are the right solution for both low speed and high speed centrifugation needs in medical, biology, research and quality control laboratories. Two swing-out rotors, four high speed angle rotors, different types of inserts and adaptors allow to centrifuge the tubes starting from 0.2 ml up to 280 ml. as well as the microtitre plates.

Besides their multi-purpose function, NF 1200/NF 1200R offer excellent performance, ease of use, safety, reliability and versatility.

As the ventilated model, NF 1200 ensures minimum increase of sample temperature by means of the continuous air flow system through the air channels in the lid.

Refrigerated model NF 1200R offers a wide range of temperature control between -9°C and +40°C for thermolabile samples and also provides constant sample temperature.

+4°C at full speed is maintained by the powerful refrigeration system of NF 1200R and the refrigerant fluid and insulation material are totally CFC-free.

NF 1200/NF 1200R have programmable microprocessor control system for accurate and reliable centrifugation tasks. Besides the speed and time, acceleration and braking rates can also be programmed depending on the sensitivity of the sample. Temperature is another programmable parameter for NF 1200R.

There is no need to spend time for making a new program each time. Ten program memories are available for frequently made applications. The program in the memory can be easily recalled and operated.



NF 1200



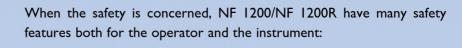






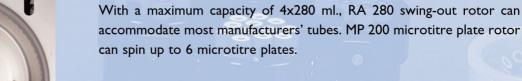
Ergonomically designed control and display panel includes four different displays for program no, speed / RCF, time, acceleration / braking rates and temperature for NF 1200R. During centrifugation, the actual parameter values are indicated on the perfectly legible displays. Making a program is very easy since the user is leaded by the flashing displays.

Powerful, quiet and brushless induction motor does not require any maintenance throughout years of use.





- 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



For high speed centrifugation requirements, there are four angle rotors with the capacities of 6x100 ml., 10x10 ml., 30x1.5/2 ml. and 24x1.5/2 ml. Each angle rotor has different types of adaptors as well.







#### **ACCESSORIES SWING-OUT ROTORS AND ACCESSORIES** Cat. No. Rotor Max. Tube Dim. (mm) Radius (mm) Max. Speed (rpm) Max. RCFxg B 50 016 RA 280 Swing-out Rotor 4x280 ml 164 4,100 3,082 G 51 007 Set of 4 buckets 380 ml nominal 76 G 51 036 Set of 4 buckets with sealing lid 380 ml nominal 76 Set of 4 inserts 65 G 51 008 1x280 ml G 51 009 1x250 ml flat Set of 4 inserts 62 G 51 010 Set of 4 inserts 1x200 ml flat 55 G 51 011 Set of 4 inserts Ix100 ml 39 Set of 4 inserts 30 G 51 012 2x50 ml conical 25 G 51 013 Set of 4 inserts 4x25 ml G 51 014 Set of 4 inserts 5x15 ml conical 17 Set of 4 inserts G 51 015 12x15 ml 17

	ROTOR		

12x5/7 ml

19x5 ml RIA

2x3 microtitre plates

13.5

13

4,100

2,349

125

Cat. No.	Rotor	Description	Capacity	Max. Tube Dim. (mm)	Radius (mm)	Max. Speed (rpm)	Max. RCFxg
B 50 023	RS 600	Angle Rotor	6x100 ml	38	99	9,000	8,965
G 51 018		Set of 6 adaptors	lx50 ml	30			
G 51 019		Set of 6 adaptors	1x50 ml conical	30.5			
G 51 020		Set of 6 adaptors	1x30/38 ml	26			
G 51 021		Set of 6 adaptors	1x15 ml conical	17			
B 50 022	RS 100	Angle Rotor	10x10 ml	16	88	12,000	14,167
G 51 022		Set of 10 adaptors	lx6 ml	13			
G 51 023		Set of 10 adaptors	1x1.5/2 ml	П			
B 50 014	RS 24	Angle Rotor	24x1.5/2 ml	П	84	14,000	18,405
B 50 029	RS 30	Angle Rotor	30x1.5/2 ml	П	84	13,500	20,170
A 14 005		Adaptor	Ix500/800 μI	8			
A 14 006		Adaptor	Ix200 μI PCR	6.5			
A 14 007		Adaptor	l×250/400/700 μl	6			

#### **SPECIFICATIONS**

	NF 1200	NF 1200R			
Maximum Speed	Swing-out: 4,100 rpm Angle: 14,000 rpm				
Maximum RCF	Swing-out: 3,082xg Angle: 20,170				
Maximum Capacity	Swing-out: 4x280 ml Angle: 6x100 ml.				
Control System	Programmable Microp	rocessor Control System			
Speed Set Range	500 - 14,000 rpm				
Speed Set Step	10 rpm				
Speed Control Accuracy	±20 rpm				
Timer Set Range	I - 99 minutes + hold position				
Timer Set Step	I minute				
No of Program Memories	10				
Temperature Range	-	-9°C / +40°C			
Temperature Set Step	-	I°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	455×545×400	770x540x400			
Packing Dimensions (WxDxH) mm	520×600×610	870x650x570			
Net / Packed Weight, kg	46/51	77/90			

Distribuito da: Zetalab s.r.l.

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Set of 4 inserts

Set of 4 inserts

Microtitre Plate Rotor

G 51 016

G 51 017

B 50 021 MP 200