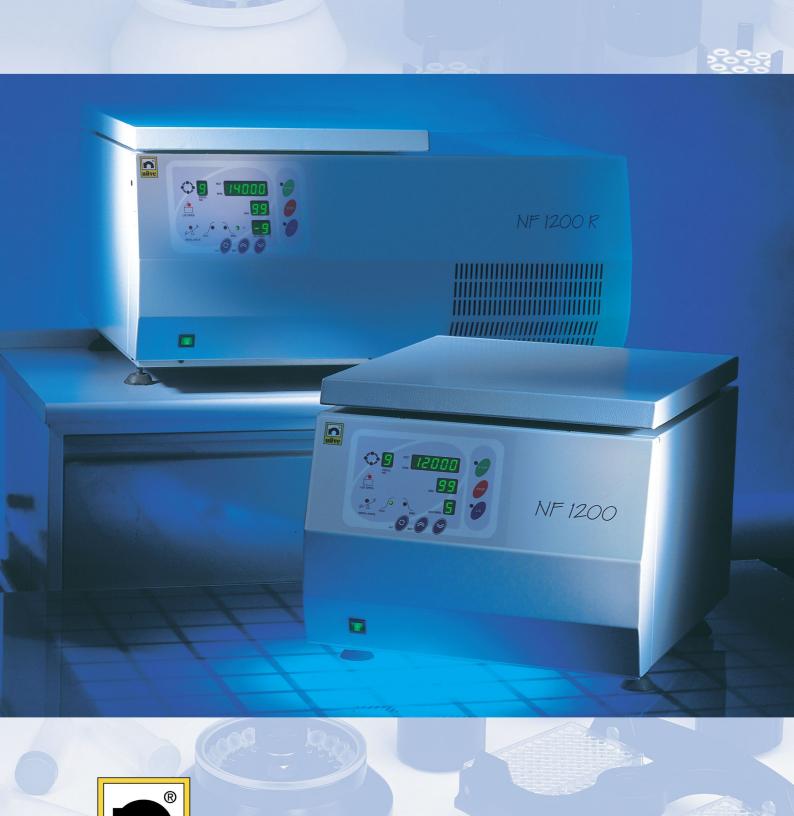
NF 1200-1200R

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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



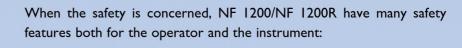






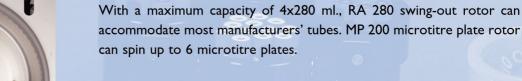
Ergonomically designed control and display panel includes four different displays for program no, speed / RCF, time, acceleration / braking rates and temperature for NF 1200R. During centrifugation, the actual parameter values are indicated on the perfectly legible displays. Making a program is very 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	Description	Capacity	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			
G 51 008		Set of 4 inserts	lx280 ml	65			
G 51 009		Set of 4 inserts	1x250 ml flat	62			
G 51 010		Set of 4 inserts	1x200 ml flat	55			
G 51 011		Set of 4 inserts	lx100 ml	39			
G 51 012		Set of 4 inserts	2x50 ml conical	30			
G 51 013		Set of 4 inserts	4x25 ml	25			
G 51 014		Set of 4 inserts	5x15 ml conical	17			
G 51 015		Set of 4 inserts	12x15 ml	17			
G 51 016		Set of 4 inserts	12x5/7 ml	13.5			
G 51 017		Set of 4 inserts	19x5 ml RIA	13			
B 50 021	MP 200	Microtitre Plate Rotor	2x3 microtitre plates		125	4,100	2,349

ANGLE ROTOR AND ACCESSORIES

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	lx500/800 μl	8			
A 14 006		Adaptor	Ix200 μI PCR	6.5			
A 14 007		Adaptor	l×250/400/700 μl	6			

SPECIFICATIONS

Maximum Speed Swing-out: 4,100 rpm An Maximum RCF Swing-out: 3,082xg A Maximum Capacity Swing-out: 4x280 ml Ar Control System Programmable Microprocess Speed Set Range 500 - 14,000 Speed Set Step 10 rpm Speed Control Accuracy ±20 rpm				
Maximum RCFSwing-out: 3,082xg AMaximum CapacitySwing-out: 4x280 ml ArControl SystemProgrammable MicroprocessSpeed Set Range500 - 14,000 gSpeed Set Step10 rpm	NF 1200R			
Maximum CapacitySwing-out: 4x280 ml ArControl SystemProgrammable MicroprocessSpeed Set Range500 - 14,000Speed Set Step10 rpm	Swing-out: 4,100 rpm Angle: 14,000 rpm			
Control SystemProgrammable MicroprocessSpeed Set Range500 - 14,000Speed Set Step10 rpm	ngle: 20,170			
Speed Set Range 500 - 14,000 Speed Set Step 10 rpm	ngle: 6x100 ml.			
Speed Set Step 10 rpm	or Control System			
	rpm			
Speed Control Accuracy +20 rpm				
Speed Control Accuracy				
Timer Set Range 1 - 99 minutes + ho	ld position			
Timer Set Step I minute				
No of Program Memories 10				
Temperature Range -	-9°C / +40°C			
Temperature Set Step -	۱°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			
upply 230 V, 50/60 Hz				
Maximum Power 500 W	800 W			
Overall Dimensions (WxDxH) mm 455x545x400	770×540×400			
Packing Dimensions (WxDxH) mm 520x600x610	870x650x570			
Net / Packed Weight, kg	77/90			



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ISO 9001: 2008 **(€** ISO 13485: 2003



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