



NF1200/1200R

Multi-Purpose Bench
Top Centrifuges



N-pri2e



NF 1200 and NF 1200R multi-purpose bench top centrifuges are designed to meet both low and high speed centrifugation needs in the medical, biology, research and quality control laboratories.

Besides their multi-purpose function, NF 1200/1200R offer an excellent price-quality ratio in terms of versatility, performance, ease of use, safety and reliability.



VERSATILITY

- NF 1200/1200R answers multiple needs in a single instrument with six different rotors
- The swing-out rotor with a maximum capacity of 4x280 ml can accommodate the tubes which are mostly used in the laboratories.
- Microtitre plate rotor with a capacity of 2x3 pcs. plates.
- Four angle rotors for high speed requirements: 6x100 ml, 10x10 ml, 30x1,5/2 ml and 24x1,5/2 ml



SAMPLE PROTECTION

- NF 1200 ventilated model incorporates CoolRun™ technology whereby effective air circulation through the air channel in the lid rapidly removes heat from the chamber, keeping temperature rise to an absolute minimum.
- Refrigerated model NF 1200R, programmable over a wide range of temperatures between -9°C and +40°C for heat sensitive samples, can sustain +4°C even at maximum speed to protect biologically active samples.

PRECISION

- N-Prime™ programmable microprocessor control system for accurate operations
- Programming option as speed or RCF
- Programmable acceleration and braking in 10 different rates to optimize run time and avoid resuspension



CONVENIENCE

- Easy programming with one button, just turn and push
- Bright LEDs on near-vertical displays can easily be seen from across the laboratory
- Display of all programmable parameters during operation
- Ten program memories for frequently made applications
- Audible and visual warning at the end of the program
- Quite and brushless induction motor

SAFETY

- Buckets with transparent hermetically sealed caps to provide protection against pathogenic or hazardous samples in case of tube breakage
- Electronic imbalance detector shuts down the run if an unbalanced load is detected
- Easy to clean stainless steel, corrosion-resistant chamber
- Steel barrier ring around the chamber for protection against breakage
- The lid interlock ensures that the lid cannot be opened if the centrifuge is running and a run cannot be started if the lid is not shut correctly. An 'Open' message informs the user.
- Rotor over speed protection to spin the rotor at its maximum allowed speed if wrong program is operated
- Motor overheating protection
- Diagnostic system for possible failures.



SWING-OUT ROTORS AND ACCESSORIES

Code	Rotor	Description	Capacity	Max. Tube Dia. (mm)	Radius (mm)	Max. Speed rpm	Max. RCF xg
B 50 016	RA 200	Swing-out rotor	4x280 ml		164	4.100	3.082
G 51 007		Set of 4 buckets	280 ml	76			
G 51 036		Set of 4 buckets with sealing cap	280 ml	76			
G 51 008		Set of 4 inserts	1x280 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	1x100 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 plate		125	4.100	2.349

TECHNICAL SPECIFICATIONS

	NF 1200	NF 1200R
Maximum Speed	Swing-out Rotor: 4.100 rpm Angle Rotor: 14.000 rpm	
Maximum RCF	Swing-out Rotor: 3.082xg Angle Rotor: 18.405 xg	
Tube Capacity	Swing-out Rotor: 4x280 ml Angle Rotor: 6x100 ml	
Control System	N-Prime™ Programmable Microprocessor Control	
Speed Set Range	500-14.000 rpm	
Speed Set Step	10 rpm	
Speed Control Accuracy	± 20 rpm	
Timer Set Range	1-99 minutes and hold position	
Timer Set Step	1 minute	
Acceleration/Braking Rates	10/10	
Temperature Range	-	-9°C / +40°C
Temperature Set Step	-	1°C
Motor	Induction Motor	
Body and lid	Epoxy-polyester powder coated steel	
Chamber	Stainless Steel	
Power Supply	230 V / 50-60 Hz (115 V / 60 Hz)	230 V / 50-60 Hz
Power Consumption	500 W	800 W
External Dimensions (WxDxH) mm	455x545x400	770x545x405
Packing Dimensions (WxDxH) mm	520X600X610	870X650X570
Net / Packed Weight kg	46 / 51	77 / 90

ANGLE ROTORS AND ACCESSORIES

Code	Rotor	Description	Capacity	Max. Tube Dia. (mm)	Radius (mm)	Max. Speed rpm	Max. RCF xg
B 50 023	RS 600	Angle rotor	6x100 ml	38	99	9.000	8.965
G 51 018		Set of 6 adaptors	1x50 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 50 043	RS 150	Angle rotor	10x15 ml	16	88	12.000	16.824
G 51 022		Set of 10 adaptors	1x6 ml	13			
G 51 023		Set of 10 adaptors	1x1,5/2 ml	11			
B 50 014	RS 24	Angle rotor with lid	24x1,5/2 ml	11	84	14.000	18.405
B 50 029	RS 30	Angle rotor with lid	30x1,5/2 ml	11	84	13.500	20.170
A 14 005		Adaptor	1x500/800 µl	8			
A 14 006		Adaptor	1x200 µl PCR	6,5			
A 14 007		Adaptor	1x250/400/700 µl	6			