



# NF400/400R

## Bench Top Centrifuges

Compact and versatile, the NF 400 ventilated centrifuge and its NF 400R refrigerated equivalent are the ideal response to small and medium sized laboratories needing to carry out a variety of daily tasks. Well suited to blood separation and urine sedimentation they are adaptable to most laboratories.

### Sample Protection

- NF 400 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 400R, 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.

### Versatility

- NF 400/400R answer to multiple needs in a single instrument with their three different rotors
- The swing-out rotor with a maximum capacity of 4x100 ml that can accommodate the tubes which are mostly used in medical laboratories.
- Microtitre plate rotor with a capacity of 2 pcs. plates.
- 30x15 ml and 16x15 ml angle rotor with choice of different adaptors



### Precision

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

### Convenience

- Ten program memories
- Bright LEDs on displays that can easily be seen all across the laboratory
- Display of all programmable parameters during operation
- Audible and visual warning at the end of the program
- Quiet and brushless induction motor

### Safety

- Electronic imbalance detector that shuts down the run if an unbalanced load is detected
- Easy to clean and decontaminate stainless steel, corrosion-resistant chamber
- 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.
- Motor overheating protection



N-prime

## TECHNICAL SPECIFICATIONS

	NF 400	NF 400R
Maximum Speed	4.100 rpm	
Maximum RCF	2.819xg	
Tube Capacity	Swing-out Rotor: 4x100 ml Angle Rotor: 16x15 ml	
Control System	N-Prime™ Programmable Microprocessor Control	
Speed Set Range	1.000-4.100 rpm	
Speed Set Step	10 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	450 W	750 W
External Dimensions (WxDxH) mm.	380x475x335	680x530x390
Packing Dimensions (WxDxH) mm.	440x510x570	870x650x570
Net / Packed Weight kg.	26 / 32	60 / 74

## SWING-OUT ROTORS

Code	Rotor	Description	Capacity	Max. Tube Dia. (mm)	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
G 51 041		Set of 4 inserts	17x5 ml	13	124	4.100	2.330
B 50 018	MP 100	Microtitre plate rotor	2x1 microtitre plate		107	4.100	2.011

## ANGLE ROTOR

Code	Rotor	Description	Capacity	Max. Tube Dia. (mm)	Radius (mm)	Max. Speed rpm	Max. RCF xg
B 50 035	SR 450	Angle rotor	30x15 ml	17	130	4.100	2.443
B 50 028	RS 240	Angle rotor	16x15 ml	17	114	4.100	2.142

## ADAPTORS FOR RS 240

Code	Tube Type	Max. Tube Dia. (mm)
G 03 057	1.5/2 ml tubes	11
G 03 014	7 ml vacuumed/ non vacuumed tubes	13
G 03 015	5 ml vacuumed/ non vacuumed tubes	13



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ISO 13485: 2003





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