

SWING-OUT ROTORS AND ACCESSORIES

| Code | Rotor | Description | Capacity | Max. Tube Dia. (mm) | Radius (mm) | Max. Speed rpm | Max. RCF xg |
|----------|--------|-----------------------------------|----------------------|---------------------|-------------|----------------|-------------|
| B 50 013 | RA 200 | Swing-out rotor | 4x200 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 | 1x100 ml | 45 | | | |
| G 51 030 | | Set of 4 inserts | 1x50 ml conical | 30 | | | |
| G 51 028 | | Set of 4 inserts | 7x15 ml | 17 | | | |
| G 51 029 | | Set of 4 inserts | 3x15 ml conical | 17 | | | |
| G 51 027 | | Set of 4 inserts | 7x5/7 ml | 13,5 | | | |
| B 50 018 | MP 200 | Microtitre plate rotor | 2x3 microtitre plate | | 125 | 4.100 | 2.349 |

Note: 200 ml bottles do not require inserts

ANGLE ROTOR AND ACCESSORIES

| Code | Rotor | Description | Capacity | Max. Tube Dia. (mm) | Radius (mm) | Max. Speed rpm | Max. RCF xg |
|----------|--------|-------------------------------|------------------|---------------------|-------------|----------------|-------------|
| B 50 017 | RS 300 | Angle rotor | 6x50 ml | 29,5 | 104 | 9.000 | 9.418 |
| G 51 024 | | Set of 6 adaptors | 6x15 ml conical | 17 | | | |
| G 51 025 | | Set of 6 rubber base adaptors | 6x50 ml conical | 29,5 | | | |
| B 50 015 | RS 450 | Angle rotor | 30x15 ml | 17 | 160 | 4.100 | 3.007 |
| G 03 012 | | Adaptor | 1x1,5/2 ml | 11 | | | |
| G 03 014 | | Adaptor | 1x7 ml | 13 | | | |
| G 03 015 | | Adaptor | 1x5 ml | 13 | | | |
| B 50 014 | RS 24 | Angle rotor with lid | 24x1,5/2 ml | 11 | 84 | 14.000 | 18.405 |
| 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 | | | |

TECHNICAL SPECIFICATIONS

| | NF 800 | NF 800R |
|---------------------------------|--|------------------|
| Maximum Speed | Swing-out Rotor: 4.100 rpm Angle Rotor: 14.000 rpm | |
| Maximum RCF | Swing-out Rotor: 3.045xg Angle Rotor: 18.405xg | |
| Tube Capacity | Swing-out Rotor: 4x200 ml Angle Rotor: 6x50 ml | |
| Control System | 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. | 44 / 48 | 75 / 86 |



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NF800/800R

Multi-Purpose
Bench Top Centrifuges





NF 800 and NF 800R multi-purpose bench top centrifuges 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.



VERSATILITY

- NF 800/800R answers multiple needs in a single instrument with five different rotors
- The swing-out rotor with a maximum capacity of 4x200 ml can accommodate the tubes which are mostly used in the laboratories.
- Microtitre plate rotor with a capacity of 2x3 pcs. plates.
- 30x15 ml angle rotor with choice of different adaptors
- For high speed requirements, two angle rotors with the capacities of 6x50 ml and 24x1,5/2 ml



SAMPLE PROTECTION

- NF 800 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 800R, 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

- 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

- User friendly control system
- 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
- Quiet 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 and contaminate 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.

