

# NF 3000R

## HIGH CAPACITY REFRIGERATED BENCHTOP CENTRIFUGE

*The NF 3000R high-capacity refrigerated benchtop centrifuge is designed for the need of large volume capacity for laboratories and blood banks in mind.*

### VERSATILE HANDLING

- Possibility to perform many centrifuge operations with different rotors
- 4x750 ml capacity Swing-out rotor offering different adaptor options for the most used tubes
- Possibility to centrifuge 4 triple blood bags

### PRODUCT PROTECTION

- Powerful cooling system for the safety of biologically active samples and temperature programmable between -10°C / +40°C



## INTELLIGENT CONTROL SYSTEM

- N-Wise™ programmable microprocessor control system for accurate and reliable results
- 7" color touch screen intelligent control system
- User-friendly control system thanks to easy-to-understand icons
- 3GB internal memory for centrifugation operations
- USB port for recording running programs
- Ability to define 3 users (Admin, Operator1, Operator2)
- Authorized users

## PRECISE AND EASY OPERATION

- Ability to program with RPM or RCF value
- 10 programmable options for acceleration and braking
- Monitoring of operating parameters via sensors



- 99 program memories for frequent centrifugation operations
- Audible and visual warning system when the program ends
- Quiet, powerful and maintenance-free induction motor
- "PULSE" option for short-term operations

## SAFE CENTRIFUGATION PROCESS

- Safety lid option with transparent sealed lid to protect against pathogenic and harmful samples
- Electronic imbalance detector that stops working in case of unbalanced loading
- Corrosion-resistant and easy-to-clean chamber made of stainless-steel material
- Safety ring made of steel around the chamber providing additional safety
- Cover lock system that prevents opening of the lid while the rotor is rotating and does not allow the device to operate when the lid is open
- Overspeed protection that ensures that the rotor does not exceed its maximum allowable speed if the wrong rotor is selected
- Electric motor cover lock system
- Engine overheat protection
- Fault detection system against possible failures
- Observation window for speed measurement
- CFC-free cooling gas and insulation material



## Wi-Fi

- \* Remote control with N-Mobile™
- \* Records of each user's work
- \* Warning system in case of any errors

## TECHNICAL SPECIFICATIONS

	<b>NF 3000R</b>
Maximum Speed	Opening rotor: 4,600 rpm
Maximum RCF	Opening rotor: 4.637xg
Maximum Capacity	Drop-down rotor: 4x750 ml
Control System	N-Wise™ control system with programmable microprocessor
Display	7" Color Touch Screen
Speed Range	500 - 4,600 rpm
Speed Adjustment	10 rpm
Speed Adjustment Accuracy	±30 rpm
Timer Range	1-99 minutes / indefinitely
Number of Programs	99 customizable programs
Timer Setting	1 minute
Temperature Range	-10°C / +40°C
Temperature Adjustment	1°C
Acceleration/Braking options	10 / 10
Motor	Maintenance-free, induction motor
Chamber material	Stainless Steel
Power Rating	2000 W
Power Supply	230 V / 50 Hz
External Dimensions (WxDxH) mm	905x715x415 mm
Packing Dimensions (WxDxH) mm	970X800X480 mm
Net / Packed Weight, kg	135 / 170



## SWING-OUT ROTORS AND ACCESSORIES

Cat. No	Rotor	Description	Capacity	Max. Tube Diameter (mm)	Radius (mm)	Max. Speed (rpm)	Max. RCF (xg)
B 50 036	RA 750	Swing-out rotor	4x750 ml		196	4.600	4.637
G51 044		Set of 4 buckets with holder	1x750 ml				
G 51 050		Set of 4 inserts	35x5 ml (For Capless Ria Tubes)	12	196		
G 51 045		Set of 4 inserts	22x5 ml	12			
G 51 051		Set of 4 inserts	22x7 ml	12			
G 51 046		Set of 4 inserts	19x15 ml	16			
G 51 047		Set of 4 inserts	13x15 ml conical	17			
G 51 052		Set of 4 inserts	9x25 ml	24			
G 51 048		Set of 4 inserts	5x50 ml conical	30	194	4.600	4.589
G 51 053		Set of 4 inserts	4x50 ml round	34	196	4.600	4.637
G 51 049		Set of 4 inserts	5x50 ml flat	30	194	4.600	4.589
G 51 054		Set of 4 inserts	4x80 ml	38	196	4.600	4.637
G 51 055		Set of 4 inserts	1x200 ml	60			
G 51 056		Set of 4 inserts	1x250 ml	62			
G 51 043		Set of 4 buckets	*Triple Blood Bag Bucket set	-	196	4.600	4.637
G 03 055		Set of 4 inserts	Triple Blood Bag insert set	-	-	-	-
K 04 532		Set of 4 buckets sealing cap	Triple Blood Bag Set of Sealing Cap	-	-	-	-

\*The capacities of the bags used in the triple blood bag set should have a maximum volume of 450 ml.

\*G51 043 coded gode basket set accessory includes G03 055 and K04 532 coded accessories.



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ISO 9001: 2015  
 ISO 13485: 2016  
 ISO 45001: 2018

