



NF 800RN

ENVIRONMENTALLY FRIENDLY,
MULTI-PURPOSE REFRIGERATED
TABLE TOP CENTRIFUGE



N-prize

The NF 800RN is an innovative table-top centrifuge that combines low and high speed applications in a single device, and can be used in a wide range of applications from hospitals to university laboratories, from biotechnology research to drug development and quality control processes.

Working with the new generation R290 natural refrigerant, the NF 800RN is an excellent solution for sustainable laboratory applications with its environmentally friendly structure.



SUPERIOR COOLING FOR SAMPLES, A NATURAL SOLUTION FOR THE WORLD

Global warming is one of the most important global problems that threatens not only today but also future generations. HFC (hydrofluorocarbon) based gases in traditional cooling systems used in laboratories can cause serious damage to the environment due to their high Global Warming Potential (GWP).

With a sustainable laboratory approach, Nüve offers a solution that is both environmentally friendly and high-performance by using environmentally friendly R290 (propane) with a GWP value of only 3 in its NF 800RN model centrifuge.



FLEXIBLE AND VERSATILE USE

- Wide range of tube compatibility from 0.2 ml to 280 ml with 6 different rotor options
- 4x280 ml capacity swing-out rotor offering different godet options for the most commonly used tubes
- 2x3 plate capacity swing-out microplate rotor
- 6x100 ml, 10x15 ml, 30x1.5/2 ml and 24x1.5/2 ml capacity angle-rotors for applications requiring high speed

POWERFUL AND SUSTAINABLE COOLING



- Offering maximum cooling performance with minimum amount of refrigerant, both energy saving and environmentally friendly use
- The safety of biological samples is ensured thanks to the powerful cooling system that can be programmed between -9°C and +40°C.
- R290 natural refrigerant
- Safe working environment provided by positioning the gas line and electronic components in separate sections
- CFC-free insulation material

PRECISE AND EASY WORK

- N-Prime™ control system with programmable microprocessor for accurate and reliable results
- Easy programming thanks to the turn-and-press button
- Ability to program with RPM or RCF value
- 10 programmable steps for acceleration and braking
- 10 program memories for frequent centrifugation operations
- Large and bright LED displays that are easy to follow
- Audio and visual warning system when the program ends
- Quiet, powerful and maintenance-free induction motor
- "PULSE" option for short-term work



SAFE CENTRIFUGE OPERATION

- Gode basket option with transparent leak-proof cover that provides protection against pathogens and harmful samples
- Electronic unbalance detector that stops operation in case of unbalanced loading
- Corrosion resistant and easy to clean stainless steel tank
- Safety ring made of steel material around the chamber providing additional safety
- Lid lock system that prevents the lid from being opened while the rotor is rotating and does not allow the device to operate when the lid is open.
- Rotor recognition feature that prevents the rotor from exceeding its maximum allowed speed when the wrong rotor is selected.
- Electromechanical cover lock system
- Air channel design that prevents the motor from heating up
- Motor overheating protection
- Error detection system against possible malfunctions
- Observation window for speed measurement

TECHNICAL SPECIFICATIONS

NF 800RN

Maximum Speed	Swing out rotor: 4,100 rpm , Angle rotor: 14,000 rpm
Maximum RCF	Swing Out rotor: 3.082xg , Angle rotor: 20.170xg
Maximum Capacity	Swing out rotor: 4x280ml , Angle rotor: 6x100ml
Control System	N-Prime™ with programmable microprocessor
Speed Setting Range	500-14,000 rpm
Speed Adjustment Level	10 rpm
Speed Setting Accuracy	±20 rpm
Timer Setting Range	1-99 minutes / Hold
Number of Programs	10
Timer Setting Level	1 minute
Temperature Setting Range	-9°C / +40°C
Temperature Setting Level	1°C
Acceleration/Braking Stage	10 / 10
Engine	Maintenance-free, induction motor
Body and Cover Structure	Electrostatic powder coated steel sheet
Installed Power	788W
Working Voltage	230V - 50Hz
External Dimensions (WxDxH) mm	770x596x410
Package Dimensions (WxDxH) mm	870x700x570
Net/Packaged Weight, kg	77/92

SWING-OUT ROTORS AND ACCESSORIES

Code	Rotor	Description	Capacity	Max. Tube Dia. (mm)	Radius (mm)	Max. Speed rpm	Max. RCF xg
B 50 058	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 50 052	MP 200	Microtitre plate rotor	2x3 microtitre plate		125	4.100	2.349

Note: 200 ml bottles do not require inserts

ANGLE ROTORS AND ACCESSORIES

Code	Rotor	Description	Capacity	Max. Tube Dia. (mm)	Radius (mm)	Max. Speed rpm	Max. RCF xg
B 50 057	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 50 059	RS 450	Angle rotor	30x15 ml	17	160	4.100	3.007
G 03 057		Adaptor	1x1,5/2 ml	11			
G 03 014		Adaptor	1x7 ml	13			
G 03 015		Adaptor	1x5 ml	13			
B 50 050	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			



NUVE SANAYİ MALZEMELERİ İMALAT VE TİCARET A.Ş.

Saracalar Mah. Saracalar Kümevleri No: 4/2 Akyurt 06750 ANKARA / TURKEY t. +90 312 399 28 30 f. +90 312 399 21 97
nuve.com.tr sales@nuve.com.tr

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

