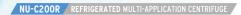




NU-C200V VENTILATED MULTI-APPLICATION CENTRIFUGE



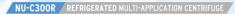






NU-C300V VENTILATED MULTI-APPLICATION CENTRIFUGE







NU-C300RF REFRIGERATED MULTI-APPLICATION CENTRIFUGE





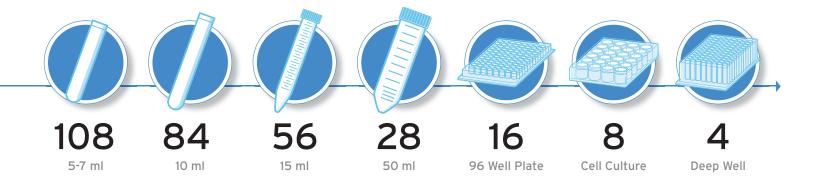
Smaller in Size, but BIG on Capacity

The NuWind centrifuge offers the largest capacity available relative to its footprint.

Using a 1/2 inch (13 mm) thick steel shell NuWind minimizes its exterior footprint saving you more bench space while improving safety.

This construction technique allows NuWind to focus on adding more capacity with more speed.

Capacities to Maximize your Workflow





CLICKSPIN

When switching rotors per application, grasp the red dial of the rotor and twist counter-clockwise while anchoring the body of the rotor. An audible "CLICK" will sound, and your rotor will then be unlocked from the motor shaft. You can now quickly remove it and install your new rotor.

Click-Spin technology is available as a standard option on all our rotors.



Bio-Lid Design

The unique design of our lids allows you to open and close the buckets with a single hand, and they can also be installed and removed with the buckets on the rotor.



Routine Cleaning Made Easy

Contamination can hide in the tightest of places. The ability to remove a rotor within seconds makes the regular cleaning of the centrifuge bowl easy.



Application Flexibility

The simple action of a twist allows the rotor to be removed within seconds. Start a new application by placing a new rotor over the shaft. An audible "CLICK" notifies a user the rotor has been securely locked.



Security

The automatic locking feature allows a rotor to be securely installed without the worry of damage to the centrifuge.





Rotor Recognition

Safely run your centrifuge knowing a rotor can not achieve speeds over its intended use.

Touchscreen Controls

Touch can make anyone an expert. The ease of use improves user adoption. Increase the speed of your tasks. Help eliminate errors with clearly defined menus and icons.

Power Factor Control

The centrifuge runs constant and uniform voltage and amperage supplied to the motor; allowing 100% repeatability in the quality of the centrifugation. This feature brings you consistent quality and high reliability in the results.

End of Run Notification

In addition to an audible alarm, the InSight Control Center features an end of cycle light that illuminates when centrifugation ceases operations providing a visual indication it is safe to remove your work.

InSight Electronic Control Center

Because simplicity and user-friendliness are keywords when it comes to laboratory equipment, we have redefined these concepts by developing the InSight Electronic Control Center (ECC). InSight ECC is a plug-and-play control center housing the brains of the machine. The ECC is designed with a touchscreen to centrifuge controls for high user adoption.

Special Features

- End of cycle light visually informs when centrifugation cycle is complete.
- Up to 100 Programs with title description
- Imbalance calibration utilizes software to learn
- Service reminders notify user when it is time to grease centrifuge, extending product life
- A microprocessor maintains a logbook record of accessories. Notifications will inform user when to check or renew accessory.
- Service friendly InSight be exchanged within minutes and can easily transfer programs to a new ECC minimizes downtime



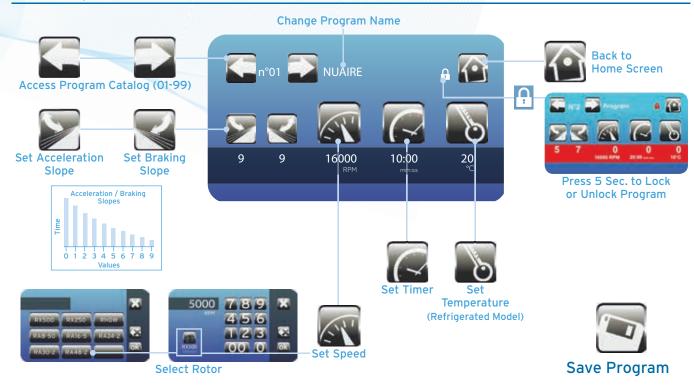
Main Screen



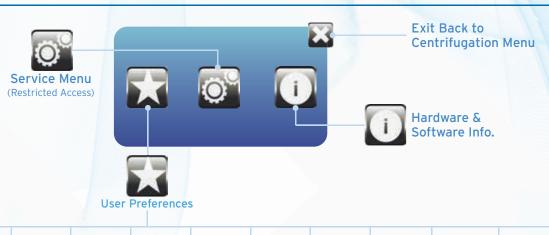
Entry Screen

InSight Electronic Control Center

Centrifugation Menu



Home Screen





Speed RPM or **RCF**



Reminder (in cycles)



Usage

Log

Temp. Display Celsius or Count Go **Fahrenheit**



or



Show Error Log



Background cle Alarm Color ON



Alarm OFF



Cycle Refrigeration Pre-Cool between Cycles





Display Air or Sample

ON: timer starts when set speed is reached

OFF: timer starts when start is pressed

The Safer Experience

Whether laboratory safety, product benefits or service, NuAire is the safer choice.

Imbalance Detection

The Centrifuge automatically detects and stops if the rotor is not evenly loaded. You have the option to manually set tolerance levels.

Robust Barrier Wall

Safe and durable. A 1/2 inch (13 mm) steel wall makes up the body of the centrifuge maximizing safety and laboratory footprint.

Safety Lid Lock

Gently open and lock the centrifuge lid with an automatic locking mechanism to keep your laboratory safe during operation.

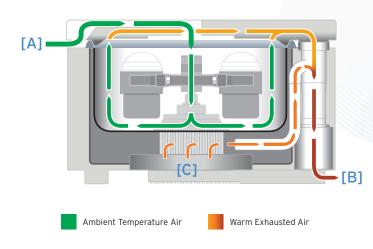






Proper Temperature

Maintaining the proper temperature of a centrifuge chamber is a must when spinning cells, plasma, blood, and more.



The NuWind ventilation system's unique first air design pulls laboratory air from the front of the unit [A]. The vortex created within the chamber propels air through the exhaust system depositing heated air out the bottom back of the unit [B]. The separation of ambient temperature laboratory air and heated exhausted air helps to maintain chamber temperature under 37°C. The warm air from the motor [C] is pulled by the Venturi effect in the flex tube and exhausted from the bottom.



The NuWind robust refrigeration system surrounds the centrifuge bowl providing the ability to maintain temperature of 4° C with any accessory at any speed.



Safety Features

- · Automatic lid lock securely locks lid and CANNOT be opened during centrifugation run.
- Rotor imbalance detector centrifugation cycle shuts down if vibrations are too strong
- Rotor Recognition Each NuWind rotor is recognized and CANNOT spin over the rotor's maximum speed.

Performance Features

- The NuWind Ventilated model does not recirculate air. First air that enters the bowl to help maintain ambient temperature exhausts at a separate location not allowing for any recirculation and heat build up.
- Power Factor Control (PFC) constant uniform voltage and amperage supplied to the motor ensure the complete centrifugation cycle.





Description	Model NU-C200V	Model NU-C200R
Maximum capacity	4x625 ml x kg / bucket, 4 x buckets	4x625 ml x kg / bucket, 4 x buckets
Supply Voltage (Depending on the Model)	115 V ± 10% 60 Hz 230 V ± 10% 50Hz	115 V ± 10% 60 Hz 230 V ± 10% 50Hz
Model Type	Ventilated	Refrigerated
Catalogue Numbers 115V / 60 Hz 230V / 50 Hz	NU-C200V NU-C200V-E	NU-C200R NU-C200R-E
Maximum Speed (rpm)	15,300 rpm	18,000 rpm
Maximum Relative Centrifugal Force (g)	22,380 xg	30,980 xg
Total Power Consumed	900 Watt	2000 Watt
Dissipated Heat (Btuh) (1 Btuh = 0.29307 W)	3071 BTU/h	6824 Btuh
Fluid Coolant / Charge	Not applicable	R404A / 0.35 kg
Maintaining temperature at +4 $^{\circ}$ C	No	Yes
Dimensions on bench (W \times D \times H)	18.1 x 22 x 13.7 inches 457 x 556 x 347 mm	26.7 x 23 x 12.7 inches 675 x 582 x 322 mm
Packaging (W x D x H)	23.8 x 31.7 x 19.8 inches 600 x 800 x 500 mm	31.7 x 31.7 x 19.8 inches 800 x 800 x 500 mm
Net weight (excluding rotor)	156 lbs / 71 kg	242 lbs / 110 kg
Maximum sound level	<u><</u> 60 dB(A)	<u><</u> 55 dB(A)

















Safety Features

- Automatic lid lock securely locks lid and CANNOT be opened during centrifugation run.
- Rotor imbalance detector centrifugation cycle shutsdown if vibrations are too strong
- Rotor Recognition Each NuWind rotor is recognized and CANNOT spin over the rotor's maximum speed.

Performance Features

- The NuWind Refrigerated model can maintain 4°C temperature control with any accessory at any speed.
- Power Factor Control (PFC) constant uniform voltage and amperage supplied to the motor ensure the complete centrifugation cycle.







Description	Model NU-C300V	Model NU-C300R	Model NU-C300RF
Maximum capacity	4x750 ml x kg / bucket, 4 x buckets	4x750 ml x kg / bucket, 4 x buckets	4x750 ml x kg / bucket, 4 x buckets
Supply Voltage (Depending on the Model)	120 V ± 10% 60 Hz 230 V ± 10% 50Hz	120 V ± 10% 60 Hz 230 V ± 10% 50Hz	120 V ± 10% 60 Hz 230 V ± 10% 50Hz
Model Type	Ventilated	Refrigerated	Refrigerated Floor
Catalogue Numbers 115V / 60 Hz 230V / 50 Hz	NU-C300V NU-C300V-E	NU-C300R NU-C300R-E	NU-C300RF NU-C300RF-E
Maximum Speed (rpm)	10,700 rpm	12,100 rpm	12,100 rpm
Maximum Relative Centrifugal Force (g)	13,000 xg	16,660 xg	16,660 xg
Total Power Consumed	1000 Watt	1700 Watt	1700 Watt
Dissipated Heat (Btuh) (1 Btuh = 0.29307 W)	3413 BTU/h	5801 BTU/h	5801 BTU/h
Fluid Coolant / Charge	Not applicable	R404A / 0.35 kg	R404A / 0.35 kg
Maintaining temperature at +4 ° C	No	Yes	Yes
Dimensions on bench (W x D x H)	14.6 x 19.7 x 26 inches 370 x 500 x 660 cm	13.8 x 30.3 x 26.8 inches 350 x 770 x 680 mm	32.7 x 26.4 x 27.2 inches 830 x 670 x 690 mm
Packaging (W x D x H)	21.3 x 29.1 x 30.3 inches 540 x 740 x 770 mm	21.3 x 35.4 x 31.5 inches 540 x 900 x 800 mm	39.4 x 31.5 x 31.5 inches 1000 x 800 x 800 mm
Net weight (excluding rotor)	180 lbs. / 82 kg	320 lbs / 145 kg	375 lbs / 170 kg
Maximum sound level	<a>61 dB(A)	≤ 60 dB(A)	≤ 57 dB(A)



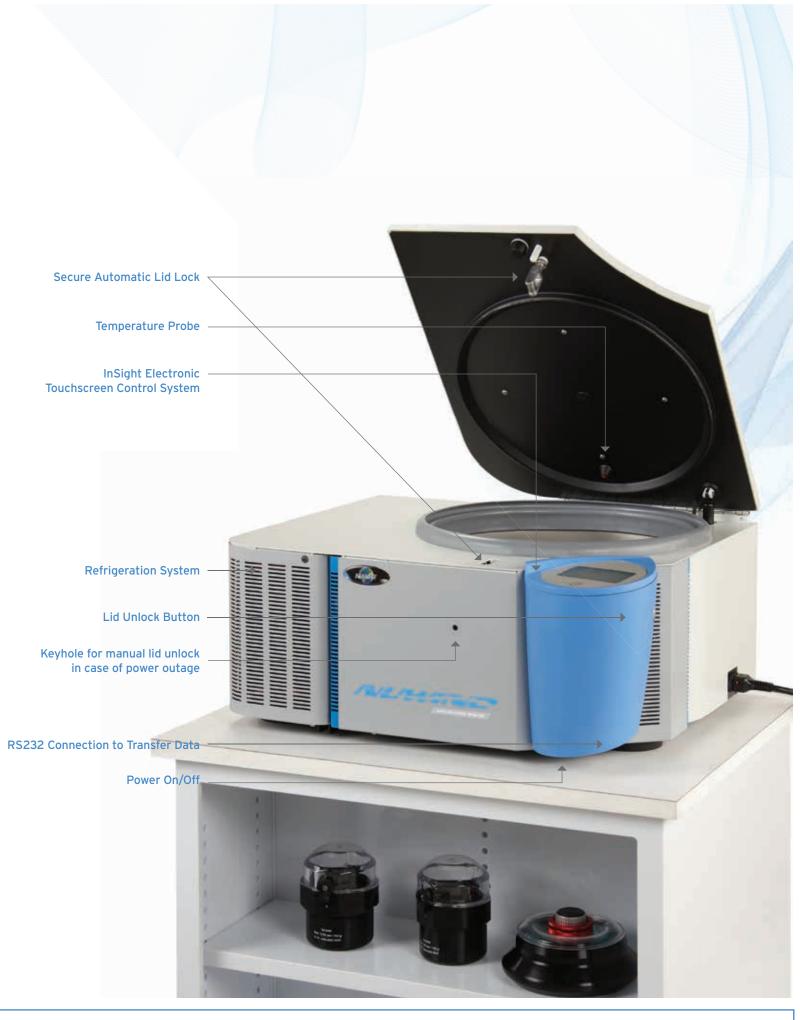












Swinging Bucket Rotors









		Self Self III		3	
Rotor		NU-RX250	NU-RX500	NU-RX750	RH-DW
Maximum Capacity		4 x 250 ml	4 x 625 ml	4 x 750 ml	2 x 4 96-well microplates 2 x 1 96-well "Deep Well" plate
Maxiumum RPM		5,100 rpm	5,100 rpm	4,600 rpm	5,900 rpm
Maximum RCF		5,476 xg	5,350 xg	4,730 xg	6,072 xg
NU-C200V		√	V		V
NU-C200R		√	V		V
NU-C300V		√	V		√
NU-C300R		√	√	√	√
NU-C300RF		√	✓	√	√
Maximum Capacity	750 ml Flat Bottle	-	-	4*	-
	625 ml Flat Bottle	-	4	-	-
	500 ml Flat Bottle	-	-	4	-
	500 ml Conical Bottle	-	-	4	-
	400 ml Round Bottle	-	4	-	-
	225 ml Conical Tube	4	4	-	-
	200 ml Flat Bottle	-	4	4	-
200 ml Conical Bottle 175 ml Conical Tube		-	4	4	-
		4	4	-	-
	100 ml Round Tube	4	4	-	-
	100 ml Conical Bottle	-	4	4	-
	50 ml Conical Skirted Tube	12 or 16*	16 or 20*	20	-
	50 ml Conical Tube	12 or 16*	16 or 20*	24	-
***************************************	50 ml Round Bottle	-	16 or 20*	24	-
DENGE MANAGEMENT	15 ml Conical Tube	28	44	56	-
N. SANGKE	15 ml Round Tube	12	28	32	-
	10 ml Round Tube	48	76	84	-
	3/5/7 ml Round Tube	60	92	108	-
	1,5 - 2 ml Microtube	120	184	216	-
	96 Well Plate	_	16	16	8
	Cell Culture Plate	_	16	16	8
	Deep Well	-	4	4	2
					*Depends on adapter

Fixed Angle Rotors













Rotor	NU-RA24-2	NU-RA30-2	NU-RA48-2	NU-RA16-5	NU-RA30-15	NU-RA8-50
Maximum Capacity	24x 2 ml	30x 2 ml	48x 2 ml	16x 5 ml	30x 15ml	8x 50ml
Maxiumum Rotor Speed	18,000 rpm	16,000 rpm	15,500 rpm	13,200 rpm	4,800 rpm	12,100 rpm
Maximum RCF	30,980 xg	27,720 xg	26,620 xg	21,000 xg	3,606 xg	16,660 xg
NU-C200V	√	✓	✓	√	✓	√
NU-C200R	√	√	√	√	V	V
NU-C300V				V		V
NU-C300R				√		√
NU-C300RF				√		√
Maximum 1.5/2 ml Capacity Microtubes	24	30	48	-	-	-
5 ml Microtube: (15.24mm x		-	-	16	-	-
15 ml Conical Tu (17.5mm x 1		-	-	-	30	-
50 ml Conical Tu (30mm x 12		-	-	-	-	8



NU-RX250

Centrifuge	Maximum Speed (rpm)	Maximum RCF (x g)
NU-C200V	4,500 rpm	4,080 xg
NU-C200R	5,100 rpm	5,476 xg
NU-C300V	4,500 rpm	4,080 xg
NU-C300R	5,100 rpm	5,476 xg
NU-C300RF	5,100 rpm	5,476 xg

Available in sets of 2 or 4

Part Number	Image	Capacity Per Insert	Total Capacity (Rotor)	Bio-containment lid NU-L500 Compatibility	Max. Tube Dimensions (ø x L mm)
NU-1T5		15x Tubes 5/7 ml Round Bottom	60	Yes	12 x 20 mm
	2	12x Tubes 10 ml Round bottom	48	Yes	
NU-1T10		3x Tubes 15 ml type CPT Round bottom	12	Yes	16 x 120 mm
NU-1T15C		7x Tubes 15 ml Conical bottom	28	Yes	17 x 133 mm
NU-1T50CL		3x Tubes 50 ml Conical bottom	12	Yes	30 x 130 mm
NU-1T50C		4x Tubes 50ml Conical bottom	16	No	30x 128 mm
NU-1T50SL		3x Tubes 50 ml Skirted bottom	12	Yes	30 x 130 mm
NU-1T50S		4x Tubes 50 ml Skirted bottom	16	No	30 x 128 mm
NU-1T100		1x Bottle 100 ml Round bottom	4	Yes	
NUL 1T200		1x Bottle 175 ml Conical bottom	4	Yes	60 v 126 mm
NU-1T200		1x Bottle 225 ml Conical bottom	4	No	60 x 126 mm



Buckets NU-B250



Lids NU-L250



Rotor Stand NU-RS2





NU-RX500

Centrifuge	Maximum Speed (rpm)	Maximum RCF (x g)
NU-C200V	4,500 rpm	4,188 xg
NU-C200R	5,100 rpm	5,350 xg
NU-C300V	4,500 rpm	4,188 xg
NU-C300R	5,100 rpm	5,350 xg
NU-C300RF	5,100 rpm	5,350 xg

Available in sets of 2 or 4

Part Number	Image	Capacity Per Insert	Total Capacity (Rotor)	Bio-containment lid NU-L500 Compatibility	Max. Tube Dimension (ø x L mm)	
NU-2T5		23x Tubes 5/7 ml Round Bottom	92	Yes	12 x 124 mm	
NU-2T10		19x Tubes 10 ml Round bottom	76	Yes	16 x 123 mm	
NO-2110		7x Tubes 15 ml type CPT Round bottom	28	Yes	10 X 123 111111	
NU-2T15C		11x Tubes 15 ml Conical bottom	44	Yes	17 x 137 mm	
NU-2T50CL		4x Tubes 50 ml Conical bottom	16	Yes	30 x 136 mm	
NU-2T50C		5x Tubes 50 ml Conical bottom	20	No	30 x 135 mm	
NU-2T50SL		5x Tubes 50 ml Skirted bottom	16	Yes	30 x 136 mm	
NU-2T50S		5x Tubes 50 ml Skirted bottom	20	No	30 x 135 mm	
NU-2T100		1x Bottle 100 ml Round bottom	4	Yes		
NU-2T200		1x Bottle 175 ml Conical bottom	4	Yes	60 x 135 mm	
110 21200		1x Bottle 225 ml Conical bottom	4	No	60 X 135 MM	
NU-2T400		1x Bottle 400 ml Round bottom	4	Yes		
NU-2T625		1x Bottle 625 ml Flat bottom	5	No	92 x 124 mm	



Buckets NU-B500



Lids NU-L500



Buckets NU-BXDW



Rotor Stand NU-RS2



NU-RX750

Centrifuge	Maximum Speed (rpm)	Maximum RCF (x g)
NU-C300V	4,500 rpm	4,527 xg
NU-C300R	4,600 rpm	4,731 xg
NU-C300RF	4,600 rpm	4,731 xg

Available in sets of 2 or 4

Part Number	Image	Capacity Per Insert	Total Capacity (Rotor)	Bio-containment lid NU-L500 Compatibility	Max. Tube Dimensions (ø x L mm)
NU-3T2		54x Tube 1.5/2 ml Microtubes	216		11 x 55 mm
NU-3T5		27x Tubes 5/7 ml Round Bottom	108	Yes	12 x 133 mm
NU-3T10	600	21x Tubes 10 ml Round bottom	84	Yes	16 x 134 mm
NU-3110		8x Tubes 15 ml type CPT Round bottom	32	Yes	16 X 134 MM
NU-3T15C		14x Tubes 15 ml Conical bottom	56	Yes	17 x 135 mm
NU-3T50		6x Tubes 50 ml Round bottom	24	No	
NU-3T50C		6x Tubes 50 ml Conical bottom	24	No	30 x 125 mm
NU-3T50S		5x Tubes 50 ml Skirted bottom	20	No	30 x 125 mm
NU-3T100C	8	1x Bottle 100 ml Conical bottom	4		56 x 150 mm
NU-3T200C		1x Bottle 200 ml Conical Bottle	4		60 x 149 mm
NU-3T200	6	1x Bottle 200 ml Flat bottom	4		56 x 150 mm
NU-3T500C	9	1x Bottle 500 ml Conical bottom	4		92 x 136 mm
NU-3T500		1x Bottle 500 ml Flat bottom	4		92 x 136 mm
NU-3T750	•	1x Bottle 750 ml Flat bottom	4		98 x 135 mm



Buckets NU-B5750



Lids NU-L750



Buckets NU-BXDW3



Rotor Stand NU-RS3



NU-RHDW

Centrifuge	Maximum Speed (rpm)	Maximum RCF (x g)
NU-C200V	4,500 rpm	3,531 xg
NU-C200R	5,100 rpm	4,537 xg
NU-C300V	4,500 rpm	3,531 xg
NU-C300R	5,100 rpm	4,537 xg
NU-C300RF	5,100 rpm	4,537 xg

Part Number	Image	Capacity Per Insert	Total Capacity (Rotor)	Bio-containment lid NU-LH Compatibility	Max Height (mm)
		2x 4 96-well microplates	8		
NU-BHDW		2x 1 96-well Deep Well plate	2	Yes	56.5 mm
		2x 4 cell culture plate	8		



Buckets NU-BHDW Bio-Lids NU-LH

Rotors and Adapters for fixed angle rotors



NU-RA24-2 Angular Rotor 24 x 1.5/2ml 45°

Centrifuge	Maximum Speed (rpm)	Maximum RCF (x g)	
NU-C200V	15,300 rpm	22,380 xg	
NU-C200R	18,000 rpm	30,980 xg	
NU-C300V	-	-	
NU-C300R	-	-	
NU-C300RF	-	-	



NU-RA30-2 Angular Rotor 30 x 1.5/2ml 45°

Centrifuge	Maximum Speed (rpm)	Maximum RCF (x g)	
NU-C200V	15,300 rpm	25,350 xg	
NU-C200R	16,000 rpm	27,720 xg	
NU-C300V	-	-	
NU-C300R	-	-	
NU-C300RF	-	-	



NU-RA48-2 Angular Rotor 48 x 1.5/2ml 45°

Centrifuge	Maximum Speed (rpm)	Maximum RCF (x g)	
NU-C200V	14,000 rpm	21,720 xg	
NU-C200R	15,500 rpm	26,620 xg	
NU-C300V	-	-	
NU-C300R	-	-	
NU-C300RF	-	-	

Rotors and Adapters for fixed angle rotors



NU-RA16-5 Angular Rotor 16 x 5ml 45°

Centrifuge	Maximum Speed (rpm)	Maximum RCF (x g)	
NU-C200V	13,200 rpm	21,000 xg	
NU-C200R	13,200 rpm	21,000 xg	
NU-C300V	13,200 rpm	21,035 xg	
NU-C300R	13,200 rpm	21,000 xg	
NU-C300RF	13,200 rpm	21,000 xg	



NU-RA30-2 Angular Rotor 30 x 15ml 37°

Centrifuge	Maximum Speed (rpm)	Maximum RCF (x g)	
NU-C200V	3,500 rpm	3,162 xg	
NU-C200R	5,100 rpm	4,061 xg	
NU-C300V	-	-	
NU-C300R	-	-	
NU-C300RF	-	-	



NU-RA48-2 Angular Rotor 8 x 50ml 25°

Centrifuge	Maximum Speed (rpm)	Maximum RCF (x g)	
NU-C200V	10,700 rpm	13,000 xg	
NU-C200R	12,100 rpm	16,660 xg	
NU-C300V	10,700 rpm	13,000 xg	
NU-C300R	12,100 rpm	16,660 xg	
NU-C300RF	12,200 rpm	16,660 xg	

Packages

Part #	Description	Model	Package Includes
C200G214		NU-RX250	4x250ml Swing Out Rotor
		NU-B250	Set of 4 Round Buckets
	1.OL Cell Culture Option Package	NU-1T15C	Set of 4 inserts for 15ml conical tubes
		NU-1T50C	Set of 4 inserts for 50ml conical tubes
		NU-RS2	Rotor stand
		NU-RX500	4x500ml Swing Out Rotor
		NU-B500	Set of 4 Round Buckets
C200G216	2.0L Cell Culture Option Package	NU-2T15C	Set of 4 inserts for 15ml conical tubes
		NU-2T50C	Set of 4 inserts for 50ml conical tubes
		NU-RS2	Rotor stand
		NU-RX250	4x250ml Swing Out Rotor
		NU-B250	Set of 4 Round Buckets
C200G215	1.OL Clinical Processing Option Package	NU-1T5	Set of 4 inserts for 5ml collection tubes
		NU-1T10	Set of 4 inserts for 10/15ml collection tubes
		NU-RS2	RS2 Rotor stand
	2.0L Clinical Processing Option Package	NU-RX500	4x500ml Swing Out Rotor
		NU-B500	Set of 4 Round Buckets
C200G217		NU-2T5	Set of 4 inserts for 5ml collection tubes
		NU-2T10	Set of 4 inserts for 10/15ml collection tubes
		NU-RS2	RS2 Rotor stand
	3.0L Cell Culture Option Package	NU-RX750	4X750ml Swing Out Rotor
C300G218		NU-B750	Set of 4 Round Buckets
		3T15C	Set of 4 inserts for 15ml conical tubes
		3T50C	Set of 4 inserts for 50ml conical tubes
		NU-RS3	Rotor Stand
	3.0L Clinical Processing Option Package	NU-RX750	4x750ml Swing Out Rotor
		NU-B750	Srt of 4 Round Buckets
C300G219		NU-3T5	Set of 4 inserts for 5ml collection tubes
		NU-3T10	Set of 4 inserts for 10/15ml collection tubes
		NU-RS3	RS3 Rotor Stand



Complete Your Laboratory

NuAire offers a variety of Laboratory Equipment to meet the needs of the research, vivarium, pharmacy, environmental laboratory and more. Join the NuAire family and complete your lab with complementary NuAire Quality products.



Delivering product to the customer that is cost effective exceeds their requirements, delivers product on-time, and increases productivity and profitability.

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Have the option to select from multiple service vendors in your area to find a company that fits your needs.a

Contracts, GPO's and much more! NuAire has a variety of Contracts set up through Group Purchasing Organizations, Government Associations, Health Systems, Universities and much more.















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