



NICKEL-ELECTRO Ltd.

Manufacturers of laboratory, medical and clinical equipment.

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Your local dealer is:



THE *Clifton* RANGE



NICKEL-ELECTRO Ltd.



Welcome To Nickel-Electro

Nickel-Electro is a wholly independent, family owned company, based in the South West of England. We design and manufacture the well known Clifton Range of temperature controlled equipment and instrumentation, which includes unstirred, stirred, shaking baths, digital hotplates and the innovative Duobaths. Trading since 1941, continued investment and development has established Nickel-Electro as a leading manufacturer of laboratory instrumentation.

In addition Nickel-Electro manufactures a comprehensive range of laboratory consumables in a variety of materials including aluminium, stainless steel and nickel. This complements the Clifton Range and provides our customers with a single source of many types of laboratory equipment.

We carry out all manufacturing processes in our own factory to ensure that the highest standards of quality control are strictly adhered to and that lead times are closely monitored. This ensures a flexible and fast response to changing demands.

We also operate an in-house toolmaking division, which guarantees flexibility in design, rapid production and the continuity of our manufacturing process.

Our commitment to all round high standards of product excellence and quality is demonstrated by our accreditation to ISO9002 since 1991.



CENTRIFUGES

MICRO NEO00
TARGA NEO10
INTERLOCK NEO10
INTERLOCK, ANALOGUE NEO20
INTERLOCK, DIGITAL NEO30

CENTRIFUGES

NE000 series, Micro

A compact personal Micro Centrifuge designed for micro tubes or PCR strips for simple and quick spins.

Using reliable and proven motor technology providing a smooth and quiet operating compact micro centrifuge. With a small footprint and easy method of rotor removal for cleaning or fitting accessory rotors. It comes supplied with rotor as standard which accepts 0.5 and or 1.5ml micro tubes.



Cat. No.	NE 000G/I	NE 000G/II/120
Operation	Rotor activated on speed selection	Rotor activated on speed selection
Max speed	2000 - 8000rpm	2000 - 8000rpm
Rotor type	Angle head	Angle head
Tube Capacity	0.5 and 1.5ml micro tubes	0.5 and 1.5ml micro tubes
Max number tubes	6 each size	6 each size
Max RCF	4000g	4000g
Overall, dims	Lid closed 175w x 220d x 140hmm	Lid closed 175w x 220d x 140hmm
	Lid open 175w x 220d x 320hmm	Lid open 175w x 220d x 320hmm
Voltage	230V, 50Hz	115V, 60Hz

● Accessory rotors available see page 10

Features Include:

- Lid interlock whilst rotor is energised
- Quiet and smooth operating
- Speed control variable up to 8000rpm
- Dynamic braking
- Ideal for quick spin downs
- Easy to use
- Suitable for micro filter cell separations and HPLC samples
- Durable chassis
- Non slip feet for stability and safety

NE010 series, Targa

The Targa Centrifuge is designed specifically for the education market being a low cost, low energy product.

Constructed with a durable steel body for safety with four-place swing out rotor complete with removable buckets.



Cat. No.	NE 010G
Operation	Rotor activated push button
Max speed	2800rpm
Rotor type	Swing out*
Tube Capacity	15ml
Max number tubes	4
Tube dims	ø16 x 105mm
	ø10 x 75mm with adaptors
Max radius	130mm
Max RCF	1100g
Overall, dims	Lid closed 361w x 400d x 320hmm
	Lid open 361w x 415d x 720hmm
Rating	100W
Voltage	230V, 50Hz

● No accessory rotors available

Features Include:

- Maintaining finger pressure on the push button operates the centrifuge and locks the lid in position
- The rotor can only be energised when the lid is correctly closed and locked
- A viewing window in the lid enables the rotor motion to be observed
- Releasing finger pressure de-energises the rotor
- Rotor energised warning indicator



- Easy wipe clean bowl with no crevices
- Rotor can be removed for easy cleaning

CENTRIFUGES

NE010 series, Interlock

This range consists of two models constructed with a steel body with four-place swing out rotor complete with removable aluminum buckets. Each version has safety interlock, which prevents the lid being opened until the rotor is at rest.

An additional safety feature ensures that in the case of power failure the lid remains in the locked position. The product can only be operated if the lid is correctly closed and locked in position.

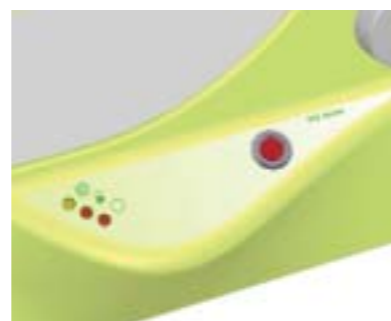


Cat. No.	NE 010G/I
Operation	Rotor activated push button
Max speed	2800rpm
Rotor type	Swing out or angle head [■]
Tube Capacity	15ml
Max number tubes	4
Tube dims	ø16 x 110mm ø10 x 75mm with adaptors
Max radius	135mm
Max RCF	1200g
Timer	-
Overall, dims	Lid closed 361w x 400d x 320hmm Lid open 361w x 415d x 720hmm
Rating	100W
Voltage	230V, 50Hz

■ Accessory rotor - see page 10

Features Include:

- Control panel has a series of indicator lamps
- for rotor on, lid locked and rotor run down



- Maintaining finger pressure on the push button operates the centrifuge and locks the lid in position
- Releasing finger pressure de-energies the rotor, but the lid remains locked until the rotor is at rest



Cat. No.	NE 010GT/I
Operation	Timer
Max speed	2800rpm
Rotor type	Swing out or angle head [■]
Tube Capacity	15ml
Max number tubes	4
Tube dims	ø16 x 110mm ø10 x 75mm with adaptors
Max radius	135mm
Max RCF	1200g
Timer	0 - 30 mins
Overall, dims	Lid closed 361w x 400d x 320hmm Lid open 361w x 415d x 720hmm
Rating	100W
Voltage	230V, 50Hz

■ Accessory rotor - see page 10

Features Include:

- Control panel has a series of indicator lamps
- for rotor on, lid locked and rotor run down



- Timer allows variable rotor operation up to 30 mins
- push button activates timer, illuminated
- lid remains locked until rotor is at rest

CENTRIFUGES

NE020 series, Interlock, Analogue

This centrifuge is ideal for clinical applications and is supplied with a fixed angle head rotor for test tubes.

Durable design with safety lid interlock



Features Include:

- Variable rotor speed and timer
- Selected rotor speed constantly monitored and maintained
- Electronic timer
- Safety lid interlock
- Easy to use
 - set time and speed
 - push button to start or stop process
- Warning indicators for rotation and lid unlocked
- Non slip feet

NE030 series, Interlock, Digital

Featuring a highly specified centrifuge which is suitable for daily use at an affordable price.

A bench top centrifuge with wipe clean control panel, touch pad controls and digital display, broad speed range and in-built safety monitoring system. Featuring "active lid cooling" making it suitable for biological separations and sampling which can suffer heat damage. The active cooling draws fresh air in from outside and expels warm air from the rotor assembly through the back of the lid. Supplied without a rotor, enabling the right head to be chosen for the application, from micro to falcon tubes.

With safety features such as automatic rotor imbalance alarm and rotor recognition limiting the maximum permissible speed.

Easy to use with digital display of speed, acceleration, braking and time settings. In use the centrifuge has the added convenience of an audible alarm at the end of the timed period.

Features Include:

- Easy to read digital display
- Brake and acceleration control
- Touch button controls
- Speed and time setting
- Wipe clean chemical resistant control panel
- Active cooling system to reduce thermal shock
- Powder painted body providing a durable finish



Cat. No.	NE 020GT/I	NE 020GT/I/120
Operation	Timer	Timer
Max speed	500 - 3500rpm	500 - 3500rpm
Rotor type	Angle head●	Angle head●
Tube Capacity	15ml	15ml
Max number tubes	6	6
Tube dims	ø17 x 120mm	ø17 x 120mm
Max radius	120mm	120mm
Max RCF	1300g	1300g
Timer	0 - 30mins	0 - 30mins
Overall, dims	Lid closed 340w x 290d x 225hmm	Lid closed 340w x 290d x 225hmm
	Lid open 361w x 435d x 515hmm	Lid open 361w x 435d x 515hmm
Rating	100W	100W
Voltage	230V, 50Hz	115V, 60Hz

● No accessory rotors available

Cat. No.	NE 030GT/I
Operation	Timer
Max speed	500 - 13000rpm
Rotor type	Angle head■ or swing out■
Timer	6 - 60mins
Braking/acceleration	1 - 9 levels
Overall, dims	Lid closed 275w x 330d x 240hmm
	Lid open 275w x 330d x 670hmm
Rating	400W
Voltage	230V, 50-60Hz

■ Accessory rotor - see page 11

Refer to accessories for

Tube Capacity

Max number tubes

Tube Dims

Max radius

Max RCF

ACCESSORIES

NE000 series of Centrifuges

Accessories

ANGLE HEAD

Rotor Cat. No. R000-1

Max speed	8000rpm
Tube capacity	1.5ml
Max number of tubes	12

Rotor Cat. No. R000-2

Max speed	8000rpm
Tube capacity	PCR strip
Max number	2 strips

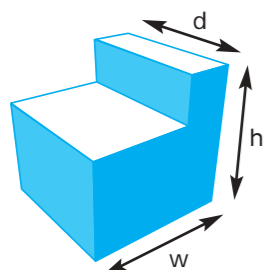
NE010 series
of Centrifuges

ANGLE HEAD

Rotor Cat. No. R010-1

Max speed	2800rpm
Tube capacity	15ml
Max number of tubes	4
Tube dims	ø16x120mm
Tube examples	Vacutainer
Max radius	110mm
Max RCF	1000g

Key to Dimensions



NOTES

NE030 series of Centrifuges

UNIVERSAL ROTOR - ANGLE HEAD

Rotor Cat. No. R030-1

Tube	angle 55°			
Max speed	5000rpm			
Tube capacity	15ml	12ml	7ml	5ml
Max number of tubes	8	8	8	8
Tube adaptor Cat. No.			T030-1	T030-2
Tube dims	ø16x120mm	ø16x100mm	ø12x100mm	ø12x75mm
Tube examples	Falcon	-	Vacutainer	Vacutainer
Max radius	100mm	100mm	98mm	85mm
Max RCF	2800g	2800g	2740g	2375g

UNIVERSAL ROTOR - ANGLE HEAD

Rotor Cat. No. R030-2

Tube	angle 55°			
Max speed	5000rpm			
Tube capacity	15ml	12ml	7ml	5ml
Max number of tubes	6	12	12	12

Tube adaptor Cat. No.

			T030-3	T030-4
Tube dims	ø16x120mm	ø16x100mm	ø12x100mm	ø12x75mm
Tube examples	Falcon	Vacutainer	-	Vacutainer
Max radius	100mm	100mm	98mm	85mm
Max RCF	2800g	2800g	2740g	2375g

HIGH SPEED ROTOR - ANGLE HEAD ROTOR

Rotor Cat. No. R030-3

Tube	angle 45°			
Max speed	13000rpm			
Tube capacity	0.25ml	1.5ml	-	-
Max number of tubes	24	24	-	-
Tube dims	ø6x30mm	ø11x40mm	-	-
Max radius	65mm	80mm		
Max RCF	12280g	15120g		

HIGH SPEED - HAEMATOCRIT ROTOR

Rotor Cat. No. R030-4

Max speed	13000rpm
Tube capacity	24 glass tubes
Tube dims	ø1.2x75mm
Max radius	92mm
Max RCF	17380g