



NICKEL - ELECTRO LTD.
Manufacturers of the *Clifton Range*[®]



Oven and Incubators

- NE8 Incubator
- NE9 Drying Oven
- NE1V Oven/Incubator
- NE1M Mini Incubator

About Us

Nickel-Electro Ltd. is a family firm based in Weston-super-Mare which was incorporated as a limited company in 1941, but our roots can be traced back to 1935 when the business first started. Now in our 3rd generation of family members, we pride ourselves on being a strongly established, independent British manufacturer.

The Clifton brand takes its name from The Clifton Suspension Bridge in Bristol which was designed and built by the famous Victorian engineer Isambard Kingdom Brunel and is recognised as engineering excellence.

As a company who specialise in the design and manufacture of temperature control equipment for a wide range of markets, we are committed to sustainable practices throughout all operations within our business. From design conception, sourcing raw materials to lean manufacturing in producing reliable, durable products, we strive to make a positive impact on the environment.

Sustainability Key



Products are built to last, ensuring longevity

Products are British manufactured, durable, reliable and built to last, ensuring longevity.



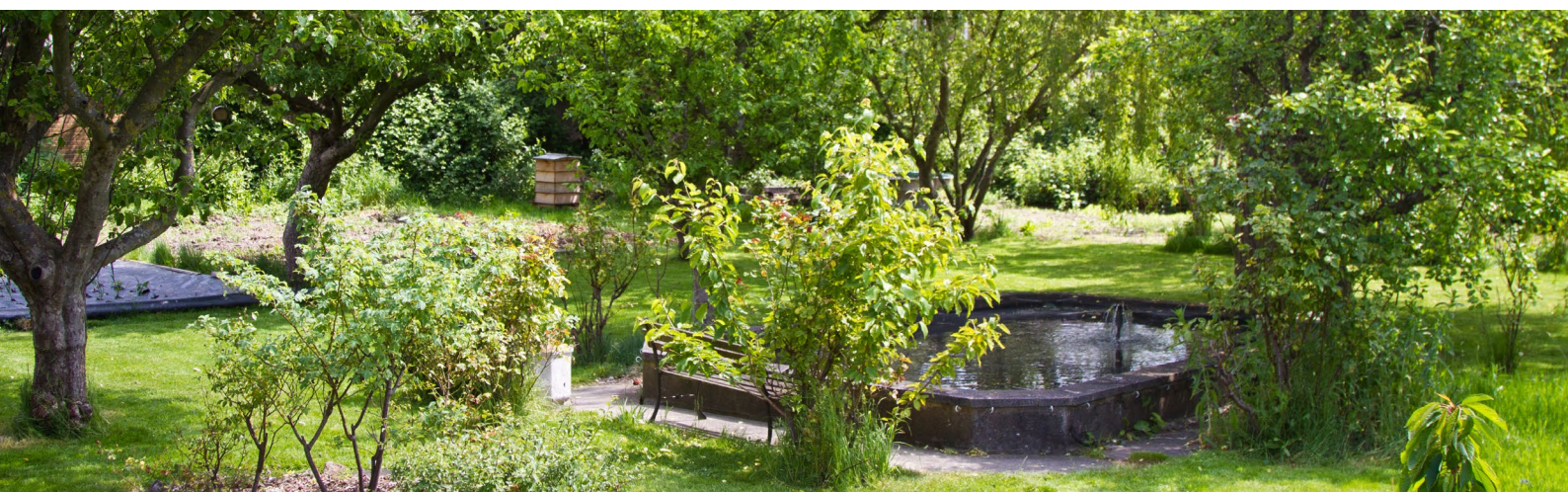
Products are recyclable

Products are recyclable.



Compostable and biodegradable packaging

Compostable and biodegradable bags are used for packaging and glassine bags for all our consumable products.



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Simplicity. Quality. Reliability.

All Clifton Range drying ovens and incubators are built with simplicity, quality and reliability at the forefront. The Clifton Range is an unrivalled brand in temperature control and every product is built with the highest quality materials.

Clifton Range NE9 Drying Ovens and NE8 Incubators are available in 5 different sizes, all with PID control, 4 digit LED display.





Easy to use.

Easy to use controls, touch keypads for setting temperature values with indicators for heating, timer and over temperature alarm. Rotary dials provide air flap exhaust and fan speed settings.

Discover why the Clifton Range is used across the globe and why so many scientists rely on our products everyday.

From metalware to more complex and highly accurate heating products such as our range of water baths, your oven or incubator is built in Great Britain to the highest standards of workmanship. Our ovens and incubators are backed by a two year warranty on parts and labour and our service team are on hand should you need support.

Simplicity.

Designed to be easy to operate with clear and concise buttons.

Quality.

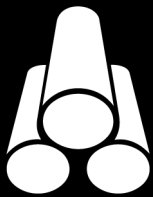
Made by temperature control specialists with the highest quality materials.

Reliability.

Every product goes through calibration testing to guarantee top performance.



By making our oven and incubators here in Great Britain we are able to offer enhanced lead times and significantly reduce air miles.



Raw Materials

With large stock of raw material and components on hand we have the ability to adapt to the needs of your business.



Manufacture

Some of the most advanced machines available on hand to build our high specification equipment.

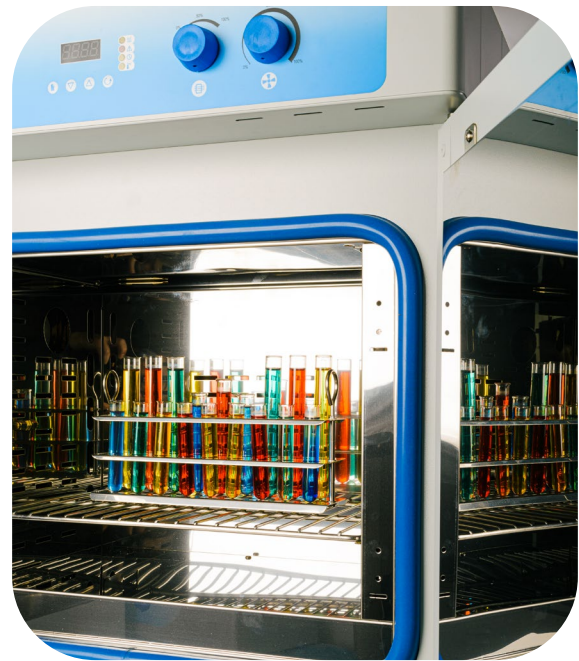


Dispatch

With our enhanced lead times we can get our products to the customer even quicker. Call for more information.

Safety Features

Switching on, the controls undergo an automatic diagnostic check. Controls feature a temperature sensor fail alarm with error reporting. Auto setting over temperature alarm protecting samples at set temperature, once the temperature in chamber returns to normal values, heating and control resumes. When the door is open, heating is suspended, if the door continues to be left open there is an audible warning.



Controls



Featuring a bold LED display of measured temperature in real-time, in increments of $\pm 0.1^{\circ}\text{C}$, the system uses a precision PID temperature controller. Timer settings are variable.

Easy to use controls, touch keypads for setting temperature values with indicators for heating, timer and over temperature alarm. Rotary dials provide Air Flap exhaust and fan speed settings.

Energy Efficient

With energy efficiency in mind, particular attention is paid to providing a good tight door closure and hinge design to maintain a sealed chamber in use. As the unit has a sealed chamber, less energy is used to hold set temperature and the intelligent controller will pulse energy to maintain set point throughout operation.



Doors



Single Insulated door, lockable, 2 point door engagement for an even compression seal. Silicone seal fitted to chamber. When in use, if the door is left open, an audible chime is generated until the door is closed.

For NE8, NE9 and NE1V models.

The PID temperature controller is secured behind a lockable polycarbonate clear door, to prevent unauthorised adjustment and allows full view of the chamber.

Only for the NE1M-25.





NE9 Digital Lab Ovens

Clifton lab ovens feature intuitive easy to use controls with a bold illuminated LED display, offering precise temperature control from ambient + 5°C - 300°C with timer functions.

These lab ovens can run at set temperature immediately use run back timer or delay start feature. Can be configured for gravity convection or with variable fan speed providing forced air circulation within the chamber.



Product Code	NE9-15S	NE9-32S	NE9-56S
Chamber Capacity	15 Litres	32 Litres	56 Litres
Temp. Range	Ambient + 5°C - 300°C		
Temp. Control	PID Digital, LED display showing actual or set temperature, resolution 0.1°C		
Temp. Alarm	Over temperature alarm is automatically set 5°C above set point		
Temp. Sensor	pt100 with control diagnostics at power up		
Temp. Fluctuation	±0.4°C at 150°C		
Shelves Fitted & Max.	1 wire / 3 max		2 wire / 5 max
Heater Power (220-240V)	1050W	1100W	2150W
Voltage	230V 50-60Hz		
Dimensions			
External (mm)	520w x 390d x 600h	600w x 460d x 680h	600w x 605d x 720h
Internal (mm)	320w x 180d x 240h	400w x 250d x 320h	400w x 400d x 360h

Product Code	NE9-112S	NE9-240S
Chamber Capacity	112 Litres	240 Litres
Temp. Range	Ambient + 5°C - 300°C	
Temp. Control	PID Digital, LED display showing actual or set temperature, resolution 0.1°C	
Temp. Alarm	Over temperature alarm is automatically set 5°C above set point	
Temp. Sensor	pt100 with control diagnostics at power up	
Temp. Fluctuation	±0.4°C at 150°C	
Shelves Fitted & Max.	2 wire / 8 max	3 wire / 10 max
Heater Power (220-240V)	2150W	3200W
Voltage	230V 50-60Hz	230V 50/60Hz blue power plug 2P+e
Dimensions		
External (mm)	600w x 660d x 980h	800w x 720d x 1160h
Internal (mm)	400w x 450d x 620h	600w x 510d x 800h

NE8 Digital Lab Incubators

Easy to use controls with a bold illuminated LED display, offering precise temperature control from ambient + 5°C to 100°C with timer function. Ideal for microbiology.

These digital scientific incubators can run at set temperature immediately, use run back timer or enable a delay start feature. Can be configured for gravity convection or with variable fan speed providing forced air circulation within the chamber.



Product Code	NE8-15S	NE8-32S	NE8-56S
Chamber Capacity	15 Litres	32 Litres	56 Litres
Temp. Range	Ambient + 5°C - 100°C		
Temp. Control	PID Digital, LED display showing actual or set temperature, resolution 0.1°C		
Temp. Alarm	Over temperature alarm is automatically set 5°C above set point		
Temp. Sensor	pt100 with control diagnostics at power up		
Temp. Fluctuation	±0.2°C at 37°C		
Shelves Fitted & Max.	1 wire / 3 max		2 wire / 5 max
Heater Power (220-240V)	450W		
Voltage	230V 50-60Hz		
Dimensions			
External (mm)	520w x 390d x 600h	600w x 460d x 680h	600w x 605d x 720h
Internal (mm)	320w x 180d x 240h	400w x 250d x 320h	400w x 400d x 360h

Product Code	NE8-112S	NE8-240S
Chamber Capacity	112 Litres	240 Litres
Temp. Range	Ambient + 5°C - 100°C	
Temp. Control	PID Digital, LED display showing actual or set temperature, resolution 0.1°C	
Temp. Alarm	Over temperature alarm is automatically set 5°C above set point	
Temp. Sensor	pt100 with control diagnostics at power up	
Temp. Fluctuation	±0.2°C at 37°C	
Shelves Fitted & Max.	2 wire / 8 max	3 wire / 10 max
Heater Power (220-240V)	1100W	
Voltage	230V 50-60Hz	
Dimensions		
External (mm)	600w x 660d x 980h	800w x 720d x 1160h
Internal (mm)	400w x 450d x 620h	600w x 510d x 800h

NE1V Lab/Oven Incubators

The Oven/Incubator provides a stable temperature environment for general purpose applications and features a digital PID controller for precision. The controls feature an auto alarm and the insulated chamber ensures low energy consumption.



Product Code	NE1V-32	NE1V-56
Chamber Capacity	32 Litres	56 Litres
Temp. Range	Ambient + 5°C - 250°C	
Temp. Control	PID Digital, LED display showing actual or set temperature, resolution 0.1°C	
Temp. Alarm	Over temperature alarm is automatically set 5°C above set point	
Temp. Sensor	pt100 with control diagnostics at power up	
Temp. Fluctuation	±0.3°C at 37°C	
Shelves Fitted & Max.	1 wire / 2 max	2 wire / 4 max
Heater Power (220-240V)	1050W	
Voltage	230V 50-60Hz	
Dimensions		
External (mm)	740w x 460d x 560h	740w x 610d x 600h
Internal (mm)	400w x 270d x 320h	400w x 390d x 360h

NE1M-25 Mini Incubator

The Mini Incubator is a compact, durable model ideal for sample incubation in education or laboratory settings. The 25 litre chamber is manufactured from high quality corrosion resistant stainless steel within a steel body, antibacterial paint finish.

The PID temperature controller is secured behind a lockable polycarbonate clear door, to prevent unauthorised adjustment and allows full view of the chamber. Supplied with 2 stainless steel removable perforated shelves, the chamber is designed to take multiple petri dishes and 1 litre bottles. The heaters are concealed behind the inner chamber walls enduring uniform and stable gravity convection.



Product Code	NE1M-25
Chamber Capacity	32 Litres
Temp. Range	Ambient + 5°C - 250°C
Temp. Control	PID Digital, LED display showing actual or set temperature, resolution 0.1°C
Temp. Alarm	Over temperature alarm is automatically set 5°C above set point
Temp. Sensor	pt100 with control diagnostics at power up
Temp. Fluctuation	±0.3°C at 37°C
Shelves Fitted & Max.	1 wire / 2 max
Heater Power (220-240V)	1050W
Voltage	230V 50-60Hz
Dimensions	
External (mm)	740w x 460d x 560h
Internal (mm)	400w x 270d x 320h

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GAMBICA

