



## 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.



# WATER BATHS

## CHILLOBATHS



## CIRCULATORS

NE7 series  
ChilloBaths

This Chiller Circulator range of water baths are specially designed for circulating temperature controlled liquids maintaining temperature in analytical equipment, heat removal or immersion of samples.

The ChilloBath consists of a stainless steel tank fitted above a cooling system with a Thermocirculator immersed into tank. All immersed components are corrosion resistant. The Thermocirculator features a safety cut-out float, illuminated power, heater and alarm indications. The Thermocirculator is supplied assembled to a stainless steel mounting bridge which features push-fit and lock fittings for inlet and outlet accessory hoses. The chamber consists of a 304 spec stainless steel tank and heat exchange coil for optimal cooling with a stainless steel shelf all giving good temperature stability.

Supplied with flat lift-off lid with insulated handle which can be substituted with accessory SL4 Gable Lid for immersion of taller samples in the bath.



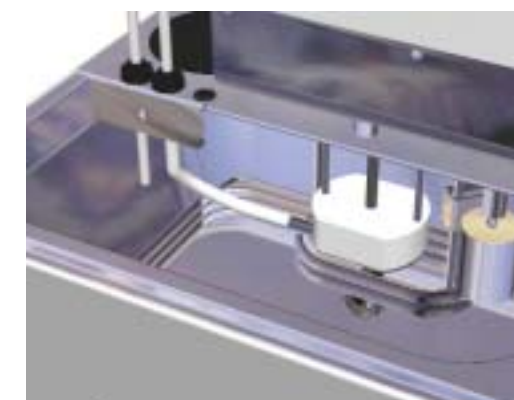
Cat. No.	NE7-8	NE7-22
Capacity, litres	8	22
Temperature range	-20 - 130 °C	-20 - 130 °C
Working volume litres	6	18
Temperature stability	±0.1 °C @0 °C	±0.1 °C @0 °C
Temperature uniformity	±0.01 °C @0 °C	±0.01 °C @0 °C
Effective bath opening	129w x 298d mm	390w x 298d mm
Overall, dims	271w x 332d x 805h mm	537w x 332d x 805h mm
Working, dims	129w x 298d x 150h mm	395w x 298d x 150h mm
<i>Cooling capacity W</i>		
+20 °C	1000	1000
0 °C	640	640
-10 °C	440	440
-20 °C	279	279
Refrigerant	R134a	R134a
Drain, Fitted	Yes	Yes
Over temp. alarm	+4 °C warning message, heater cut off, audible	+4 °C warning message, heater cut off, audible
Under temp. alarm	-4 °C warning message, heater cut off, audible	-4 °C warning message, heater cut off, audible
Pump capacity l/min	10	10
Pump pressure	1.5m head	1.5m head
Heater, Watts	1250	1250
Voltage	230V	230V

★ It is recommended that to achieve optimum performance the bath should be covered.

● See page 6 for accessories.

## Features Include:

- Sensitivity ±0.1°C
- Uniformity ±0.01°C
- Temperature range: -20 - 130°C ★
- Digital thermostatic control
- Clear 3 digit display
- Display resolution: 0.1°C (-20°C - 99°C)
- Precision control
- Powerful circulation pump - *closed loop*
- Convenient push-fit and lock fittings  
- *for secure external water circulation*
- Stainless steel tank
- Sturdy construction
- Safety cut-out float switch  
- *low liquid level protection*
- Under temperature  
- *audible and visual alarm preset*
- Over temperature  
- *audible and visual alarm preset*
- Footprint same size as tank  
- *optimises lab space*





## ACCESSORIES

## NE7 series ChilloBaths

## LIDS

Cat. No.	Description
SL4-8	Gabled lid, stainless steel, for 8 litre bath
SL4-22	Gabled lid, stainless steel, for 22 bath

## RACKS

6870	Test tube rack, stainless steel, 26 holes x 17mm dia
6871	Test tube rack, stainless steel, 16 holes x 26mm dia
6872	Test tube rack, stainless steel, 36 holes x 13mm dia also suitable for 1.5ml/microtubes
6873	Test tube rack, stainless steel, 18 holes x 19mm dia
6900	Test tube rack, stainless steel, 12 holes x 32mm dia

## Max number of racks per bath

Bath size	8 litre	22litre
No. racks	1	5

## INSULATED HOSES

HS-1	Push fit and lock insulated hose 1m length x 6mm dia
HS-2	Push fit and lock insulated hose 2m length x 6mm dia

## MISCELLANEOUS

BX0688	Drain Tap
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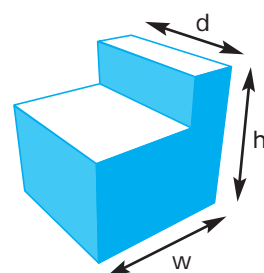
## SPHERES, POLYPROPYLENE

Provides a floating lid on water baths to minimise evaporation and allows easy immersion/removal of flasks etc (maximum temperature 100°C). Number of packs required providing a single layer:

Bath size	No. of packs required
8 litre	1 Pack
22 litre	2 Packs

Cat. No.	Sphere dia	Pk qty
BP0368	20 mm	200

## Key to Dimensions

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## Investing in the Future

We recognise the importance of investing in new technology, and have an ongoing programme of investment in the latest manufacturing and information systems.

## High Standards of Workmanship

We believe in combining cutting edge technology with traditional skills and values. We constantly strive for higher quality and aim to be a world-class manufacturer.

## A Wide Range of Products For A Wide Range of Markets

We produce laboratory, medical and clinical equipment for a variety of market sectors. These include hospitals, secondary and higher education, the food and dairy industry, veterinarians, pharmaceutical companies, industrial and quality control laboratories.

## A World-wide Reputation

Upholding the traditions of high quality British products, Nickel-Electro exports across the globe, with major markets in Europe, the Middle East, Africa and Australasia.

## Service Support

Our service engineers are fully trained in the assembly and use of all Clifton instrumentation. Products can be returned to our comprehensively equipped service centre where a fast and efficient turnaround is guaranteed.

In the UK, on-site repair work can also be undertaken depending on the nature of the problem. For more complex, time consuming repairs, loan units are often available. A full technical service is available.

Our entire Clifton range carries a comprehensive 3-year warranty.

## Environmental Policy

We recognise our responsibility towards the environment and strive to ensure that all aspects of the business have the least harmful effect on the environment.



Certificate No. Q09820



INVESTOR IN PEOPLE

## Future Development

We have a policy of ongoing product development to ensure that tomorrow's laboratory is equipped with innovative, well-designed and reliable equipment.