

**WARNING**

Do not operate without water or the heating element will be damaged.  
Observe "min" fill indicator  
Always fit shelf in bath



**HEAT PANS**

91130517 5L PORTABLE LIFT OFF LID UK PLUG

91130541 5L PORTABLE LIFT OFF LID EU PLUG

91441781 5L THERMOSTATIC HINGED LID UK PLUG

91441773 5L THERMOSTATIC HINGED LID EU PLUG

91441807 5L THERMOSTATIC LIFT OFF LID UK PLUG

91441799 5L THERMOSTATIC LIFT OFF LID EU PLUG

91130574 9L THERMOSTATIC HINGED LID UK PLUG

91130582 9L THERMOSTATIC HINGED LID EU PLUG

91441823 9L THERMOSTATIC LIFT OFF LID UK PLUG

91441815 9L THERMOSTATIC LIFT OFF LID EU PLUG

91130384 28L DEEP HINGED LID UK PLUG

91130442 28L DEEP HINGED LID EU PLUG

91441849 28L DEEP LIFT OFF LID UK PLUG

91441831 28L DEEP LIFT OFF LID EU PLUG

91130459 56L DEEP HINGED LID UK PLUG

91130509 56L DEEP HINGED LID EU PLUG

91441864 56L DEEP LIFT LID UK PLUG

91441856 56L DEEP LIFT OFF LID EU PLUG

91165919 9L DIGITAL HINGED LID UK PLUG

91165927 9L DIGITAL HINGED LID EU PLUG

91441880 28L DIGITAL HINGED LID UK PLUG

91441872 28L DIGITAL HINGED LID EU PLUG



Dear Customer

Thank you for purchasing this piece of temperature control equipment. To get the best performance from your equipment and for your own safety please read these instructions carefully before use.

## GENERAL NOTES

1. This product is designed for laboratory use only. Always follow good laboratory practice.
2. Fill the heat pan prior to connection to electrical supply.
3. Ensure water level is above minimum water level mark prior to switching on.
4. Always fit the perforated shelf or mesh supplied in base of the heat pan.
5. Ensure staff are trained to use the heat pan correctly.
6. DO NOT OPERATE WITHOUT WATER OR DAMAGE WILL OCCUR TO THE ELEMENT.
7. Use caution when topping up/draining the tank. If this product is not used in accordance with these instructions then basic safety protection may be affected.
8. The mains supply cord fitted to this product is heat resistant and should be replaced with an equivalent type by a qualified electrician.
9. Ensure that the power supply has a safety earth (ground) terminal.
10. Ensure that the mains switch and power supply connector are accessible during use.
11. Before using any cleaning or decontamination method please refer to the Maintenance and Cleaning section to ensure the proposed method will not damage the unit.
12. Connect only to a power supply with the corresponding voltage to that specified on the rating label positioned on the rear of the unit.
13. Do not block ventilation slots during use and always follow installation instructions.

## LOCATION

The product must be placed on a smooth, level and sturdy work surface, preferably near a drain for emptying. Use in a ventilated room. Suitable for use in ambient temperatures 5°C to 40°C with a maximum humidity 80% (temperature 31°C) decreasing to 50% (temperature 40°C).

DO NOT block or restrict ventilation slots. DO NOT place directly next to hot heat surfaces. ENSURE that there is sufficient space around the product to allow it to provide optimum temperature control.

## UNPACKING

Remove the product from its packaging and retain over the warranty period. Contents consist of:

- Bath
- Perforated shelf or mesh.
- Power lead
- Instruction manual

Place the perforated shelf/mesh into the bath, with the legs facing down. Fit the power lead into the socket at the rear.

## SAFETY



Do not touch any electrical contacts or open any closure panels.  
**RISK OF ELECTRIC SHOCK!!**

## POWER LEAD AND CONNECTION TO ELECTRICAL SUPPLY



Check the electrical supply is compatible with the rating label.  
**IF IN DOUBT CONSULT AN ELECTRICIAN. THE PRODUCT MUST BE EARTHED!**

Where the mains supply or plug connection differs refer to local regulations or consult an electrician.

## WATER LEVEL



Always ensure the product is disconnected from the electrical supply before filling and emptying.

Minimum water level: always fill the heat pan above the “MIN” mark on the tank wall.  
DO NOT UNDER FILL AND ALWAYS CHECK WHILST IN USE!

Maximum water level: do not exceed the ridge in the tank.



DO NOT OVERFILL THE BATH! AT HIGH TEMPERATURES OR IMMERSION OF SPLINTING WATER WILL OVERSPILL!

ADEQUATE WATER LEVELS MUST BE MAINTAINED AT ALL TIMES TO AVOID DAMAGE TO THE HEATING ELEMENT!

ALWAYS FIT THE PERFORATED SHELF/MESH! ENSURE THE LEGS ARE POINTING DOWN!

RAISE THE LID SLOWLY TO ENSURE CONDENSATION RUNS BACK SAFELY INTO THE HEAT PAN!

HOT SURFACES! ALWAYS USE THE HANDLE!

## OPERATING INSTRUCTIONS

### 09-113-0541 and 09-113-0517 5L Portable Heat Pan

1. Place the mesh inside the heat pan.
2. Fill the bath with water observing recommended water levels.
3. Fit the lid and connect to mains power supply.
4. Switch the heat pan "ON" using the mains switch.
5. Allow approx. 30 minutes for the water to reach the desired temperature for softening splinting material.
6. The heat pan is now ready for use. The water will continue to heat. Open the lid carefully and place splinting material inside. DO NOT REFIT THE LID.
7. Follow the manufacturers guidelines for time required for splinting materials to soften.
8. After use switch the heat pan "OFF" and allow to cool before emptying.



DO NOT USE THE LID WHEN WARMING SPLINT MATERIALS AS THIS WILL CAUSE THE WATER TEMPERATURE TO RISE ABOVE THE IDEAL SOFTENING TEMPERATURE. THE LID ASSISTS IN WARM UP TIME ONLY.

### 09-144-1773, 09-144-1781, 09-144-1799 and 09-144-1807 5L Thermostat Heat Pans 09-113-0652, 09-113-0574, 09-144-1815 and 09-144-1823 9L Shallow Heat Pans 09-113-0442, 09-113-0384, 09-144-1831 and 09-144-1849 28L Deep Heat Pans 09-113-0509, 09-113-0459, 09-144-1856 and 09-144-1864 56L Deep Heat Pans

1. Place the perforated tray inside the bath with the legs pointing down.
2. Fill the bath with water observing recommended water levels.
3. Fit the lid and connect to mains power supply.
4. Switch the heat pan "ON" using the mains switch.
5. Adjust the temperature required using the blue control knob.
6. The heater indicator will illuminate and flicker to show heater activity.
7. Allow the water in the heat pan to stabilise and take an actual reading using a thermometer. Adjust the temperature control knob as necessary.
8. Lift the lid carefully and insert splinting material for softening. CAUTION! HOT WATER. Close the lid.
9. Follow the manufacturers guidelines for time required for splinting materials to soften.
10. If the heat pan is in continual use, it can be left on and will maintain the set temperature. Always use the lid.
11. After use switch the heat pan "OFF" and allow to cool before emptying.

09-116-5927 and 09-116-5919 9L Digital Heat Pans

09-144-1872 and 09-144-1880 9L Digital Heat Pans

1. Place the perforated tray inside the bath with the legs pointing down.
2. Fill the bath with water observing recommended water levels.
3. Fit the lid and connect to mains power supply.
4. Switch the heat pan "ON" using the mains switch.
5. To adjust the temperature, press and hold the DOWN arrow key for 1.5 seconds.
6. Use the UP and DOWN arrow keys to select desired temperature.
7. Display will flash between SP1 and set temperature then revert to display actual water temperature.
8. Heater indicator will illuminate to show heater activity.
9. The heat pan is now set and will heat and control the water temperature.
10. Lift the lid carefully and insert splinting material for softening. Close the lid.  
CAUTION! HOT WATER.
11. Follow the manufacturers guidelines for time required for splinting materials to soften.
12. If the heat pan is in continual use, it can be left on and will maintain the set temperature. Always use the lid.
13. After use switch the heat pan "OFF" and allow to cool before emptying.

## CARE AND MAINTENANCE



Please ensure that the washing agent and sanitizing agent are BSI accredited and approved by the H&S department for use on laboratory equipment and stainless steel within your laboratory.

DISCONNECT THE HEAT PAN FROM THE POWER SUPPLY PRIOR TO CLEANING

## BASIC CLEANING

The stainless steel crevice free tank should provide years of valuable service and is resistant to chloride containing solutions but it is important to avoid high concentrations of halogens- particularly chloride. Halogen deposits may show as rust which can be cleaned off with nitric acid (10%) on a cloth. **WEAR PROTECTIVE EQUIPMENT!**

The heat pan should be emptied at the end of each day, then for interior surfaces:

• WASH • RINSE • DRY •

Drain Outlet: Please ensure that the above cleaning process includes the outlet on the base of the tank, paying particular attention to flushing the outlet and tap thoroughly.

Scale Build Up: In hard water areas limescale can build up and reduce the efficiency of the heat pan. Cleaning at the end of each day can prevent this but periodically it may be necessary to descale. Add 1 litre of vinegar to the normal capacity of water and heat for 1 hour to 50°C.

Bar Keepers Friend® can be used as a stainless steel cleanser to remove unsightly mineral deposits.

## EXTERIOR ANTI BACTERIAL PAINTED SURFACES

The heat pan should be cleaned at regular intervals by wiping external surfaces with a cloth or sponge soaked in warm water with a mild detergent. **DO NOT USE STRONG SOLVENTS OR SOLUTIONS CONTAINING CHLORINATED HYDROCARBONS, ESTERS, KETONES OR ABRASIVE CLEANERS AS THIS MAY DAMAGE THE BUILT IN ANTI BACTERIAL PROPERTIES.**

The “anti-bacterial” paint finish inhibits the growth of bacteria. It has been tested by independent specialist houses using internationally recognised test methods and proven to be effective against a wide range of bacteria including Escherichia Coli and Staphylococcus Aureus (MRSA).



We recognise hygienic coatings are part of a controlled approach to a cleaner working environment. Within the paint formulation is an active ingredient with proven anti-bacterial properties which is maintained throughout its life span. In a laboratory environment this is one less source of contamination. Unlike detergents the anti-bacterial paint finish does not offer an instantaneous action, but is intended for long term general protection against bacterial growth.

Moisture on the painted surface is necessary for the bacterium to absorb the agent and be affected by it. The coating is therefore less active in very dry conditions although moisture in the atmosphere will maintain some activity. Areas where moisture is trapped are difficult to clean and allow bacteria to proliferate but these areas are most active for the anti-bacterial coating improving defence against bacterial growth.

## DECONTAMINATION OF EQUIPMENT

Laboratory equipment can be decontaminated after spillage or contact with HIV or hepatitis infected blood samples by using rapid disinfectants.

We recommend VIRKON tablets for the safe and rapid disinfection of equipment. Please follow the User Instructions carefully. Virkon solution only requires 10 minutes contact time to be effective. Care should be taken with stainless steel tanks and it is important that virkon solution is not left in contact with metal surfaces "for longer than is necessary".

We recommend PERASAFE powder for the safe and rapid chemical sterilant of equipment. Please follow the User Instructions carefully.

Please contact your distributor or Day-Impex Ltd for further information relating to these products.

## WARRANTY TERMS AND CONDITIONS

For warranty assistance please contact Performance Health Ltd or your distributor. The warranty applied to this heat pan guarantees the product to be free from defects in materials and workmanship for a period of two years.

If within the warranty period the product is determined to be defective due to improper materials or workmanship, repair (without charge for labour or parts) or at our discretion replacement of its defective parts are subject to the terms and limitations below:

This warranty does not cover:

- Periodic maintenance and repair or parts replacement due to wear and tear.
- Running the heat pan dry and any subsequent damage.
- Damage or defects caused by use, operation or treatment of the product inconsistent with normal professional use.

## NON WARRANTY INFORMATION

There is a comprehensive stock of chargeable spare parts maintaining working life of equipment or alternatively units can be returned for quotation before repairs are undertaken. Contact Performance Health Ltd or your distributors for further details.

## PORTABLE APPLIANCE TESTING

These tests should be conducted by a qualified person.



DO NOT PAT test the heat pan unless it contains water.

DO NOT Flash Test!!

## TROUBLE SHOOTING GUIDE

### 5L PORTABLE HEAT PANS

09-110-0541 AND 09-113-0517

FAULT	POSSIBLE REASON	ACTION REQUIRED
- Green mains switch does not illuminate	- No mains connection - No mains power - Circuit breakers may have tripped - Switch is not in ON position	- Check mains connection - Check power is ON - Contact your Service Engineer - Ensure switch is pressed ON
- Heat pan smokes - Heat pan smells of burning - Heat pan will not heat	- Instructions not followed and heat pan run without water	- Contact your Service Engineer

### THERMOSTATIC HEAT PANS

5 LITRE: 09-144-1773, 09-144-1781, 09-144-1799 AND 09-144-1807

9 LITRE: 09-113-0582, 09-113-0574, 09-144-1815 AND 09-144-1823

28 LITRE: 09-113-0442, 09-113-0384, 09-144-1831 AND 09-144-1849

56 LITRE: 09-113-0509, 09-113-0459, 09-144-1856 AND 09-144-1864

FAULT	POSSIBLE REASON	ACTION REQUIRED
- Green mains switch does not illuminate	- No mains connection - No mains power - Circuit breakers may have tripped - Switch is not in ON position	- Check mains connection - Check power is ON - Contact your Service Engineer - Ensure switch is pressed ON
- Heat pan does not heat up amber neon is illuminated	- Instructions not followed and heat pan run without water	- Contact your Service Engineer (Element)
- Heat pan does not heat up amber neon is not illuminated	- Thermostat fault	- Contact your Service Engineer (Thermostat)
- Heat pan heats up amber neon is illuminated no temperature control	- Thermostat fault	- Contact your Service Engineer (Thermostat)

FAULT	POSSIBLE REASON	ACTION REQUIRED
- Heat pan heats up amber neon is not illuminated	- Amber neon fault	- Contact your Service Engineer (Amber Neon)
- Heat pan smokes - Heat pan smells of burning - Heat pan will not heat	- Instructions not followed and heat pan run without water	- Contact your Service Engineer (Elements)

9L DIGITAL HEAT PANS AND 28 LITRE DIGITAL HEAT PANS  
09-116-5927 AND 09-116-5919  
09-144-1880 AND 09-144-1872

FAULT	POSSIBLE REASON	ACTION REQUIRED
- Green mains switch does not illuminate	- No mains connection - No mains power - Circuit breakers may have tripped - Switch is not in ON position	- Check mains connection - Check power is ON - Contact your Service Engineer - Ensure switch is pressed ON
- Heat pan does not heat up amber neon is illuminated and digital display ON	- Instructions not followed and heat pan run without water - Sensor fault - Digital controller fault	- Contact your Service Engineer (Element) - Contact your Service Engineer (Sensor) - Contact your Service Engineer (Controller)
- Heat pan does not heat up amber neon does not illuminate digital display ON or OFF	- Instructions not followed and heat pan run without water - Sensor fault - Digital controller fault	- Contact your Service Engineer (Element) - Contact your Service Engineer (Sensor) - Contact your Service Engineer (Controller)
- Heat pan smokes - Heat pan smells of burning - Heat pan will not heat	- Instructions not followed and heat pan run without water	- Contact your Service Engineer (Elements)



### EC Declaration of Conformity

We herewith confirm the following product:

Rolyan Heat Pan Range

Conforms with the requirements outlined by the following European Directives:

Low Voltage Directive 2014/35/EU

EMC Directive 2014/30/EU

RoHS Directive 2011/65/EU

Conforms with the requirements of the following standards:

BS EN 61010-1: 2010

BS EN 61010-2-010: 2014

Safety requirements for electrical equipment for measurement, control and laboratory use

BS EN 61326-1: 2013

Electrical equipment for measurement control and laboratory use - EMC requirements

Designed and Manufactured in the UK by:

Nickel Electro Limited

Oldmixon Crescent

Weston super Mare

North Somerset BS24 9BL

t 01934 626691

f 01934 630300

w [www.nickel-electro.co.uk](http://www.nickel-electro.co.uk)

e [info@nickel-electro.co.uk](mailto:info@nickel-electro.co.uk)

# FINAL INSPECTION AND ELECTRICAL SAFETY TEST REPORT

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## CONTACT DETAILS:

For UK Customer Services

Tel: 0844 4124330

Fax: 0870 1660211

For International Customer Services

Tel: +44 1623 448706

Fax: +44 1623 448784