



# DUAL AC/COOLANT COOLED INDUCTION HEATER 12KW

MODEL NO: **VS290**

Thank you for purchasing a Sealey product. Manufactured to a high standard, this product will, if used according to these instructions, and properly maintained, give you years of trouble free performance.

**IMPORTANT:** PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS & CAUTIONS. USE THE PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. KEEP THESE INSTRUCTIONS SAFE FOR FUTURE USE.



Refer to Instructions



Wear eye protection



Wear protective gloves



Electrical shock hazard



Warning magnetic field



Do not use in the vicinity of a pacemaker



Keep away from rain



Wear respiratory protection

## 1. SAFETY

### 1.1. ELECTRICAL SAFETY

- WARNING!** It is the user's responsibility to check the following:
  - ✓ Check all electrical equipment and appliances to ensure that they are safe before using.
  - ✓ Inspect power supply leads, plugs and all electrical connections for wear and damage.
  - ✓ Ensure that the insulation on all cables and on the appliance is safe before connecting it to the power supply.
  - ✗ **DO NOT** use worn or damaged cables, plugs or connectors.
  - ✓ Ensure that any faulty item is repaired or replaced immediately by a Sealey qualified technician.
  - ✓ If the cable or plug is damaged during use, switch off the electricity supply and remove from use.
  - ✓ Sealey recommend that an RCD (Residual Current Device) is used with all electrical products.
- IMPORTANT:** Ensure that the voltage rating on the appliance suits the power supply to be used and that the plug is fitted with the correct fuse.
- ✗ **DO NOT** pull or carry the appliance by the power cable.
- ✗ **DO NOT** pull the plug from the socket by the cable.

### 1.2. EXTENSION CORDS

- WARNING!** If an extension cord is required, only the following specifications are approved for use with the induction heater:
  - 7.6-meter cord: 2 AWG
  - 15.2-meter cord: 1 AWGUsing cords outside these specifications may result in overheating or insufficient power delivery.
- ✗ **DO NOT** connect multiple extension cords in series.
- ✓ Use only the specified extension cords listed above.
- ✓ Always fully unwrap extension cords before use. Tightly coiled cords can overheat and pose a fire hazard.
- ✓ If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

### 1.3. GENERAL SAFETY

- ✗ **DO NOT** touch heating parts with bare hands.
- ✗ **DO NOT** touch live electrical parts or electrodes with bare skin or wet clothing.
- ✗ **DO NOT** operate in the vicinity of containers under pressure, or in the presence of explosive dust, gases or fumes.
- ✗ **DO NOT** cover or stick objects into any of the ventilation holes on the equipment.
- ✗ **DO NOT** wear clothing containing metal components, such as zippers, rivets, or metallic buttons, while operating the induction heater. The heater can rapidly heat these metal parts, potentially causing serious burns or igniting the clothing.
- WARNING!** The magnetic fields created by high currents may affect the operation of pacemakers. **DO NOT** operate or come within three feet of an active induction heater, if you have a cardiac pacemaker or any electronic or metal surgical implant. Wearers of vital electronic equipment should consult their Doctor before using Induction heater, although the magnetic field generated by the heater typically extends only a few inches, it can interfere with the function of implanted medical devices. This applies to both users and bystanders. To prevent accidental exposure, individuals with such implants must stay at least three feet away from the induction heater while it is in operation.
- WARNING!** Keep bystanders, children, visitors, and animals at a safe distance while operating the induction heater. Their presence may cause distractions, increasing the risk of losing control of the equipment and leading to potential injury or damage.
  - ✓ Ensure area is adequately ventilated and dry.
  - ✓ Before operating the induction heater, remove all metallic objects from your person, including coins, keys, chains, pocket knives, tokens, and miniature tools. **DO NOT** carry or wear these items while the heater is in use. The induction heater can rapidly heat metal objects, posing a serious risk of burns or ignition of clothing.
  - ✓ Ensure ambient temperature is between -10 to 40°C
  - ✓ Avoid using in bright sunshine or rain.
- ✗ **DO NOT** use the machine in an environment where the air is polluted with conductive dust or gases.
- ✗ **DO NOT** overreach; maintain proper footing and balance at all times. Ensuring stable footing and balance allows for better control of the induction heater, especially in unexpected situations.
- ✗ **DO NOT** operate the induction heater while under the influence of drugs, alcohol, or any medication that may impair your judgment or coordination. Impaired operation increases the risk of accidents and injury.

- ❑ **WARNING!** Due to the heat generated by the induction coils blistering of painted surfaces will happen if over heated.
- ✓ Children from age 8 years and above, persons with reduced physical, sensory, or mental capabilities those with lack of experience and knowledge can use the appliance, if they have been given supervision or instruction concerning use of the appliance in a safe way to understand the hazards involved.
- ✓ Children shall NOT play with the appliance.
- ✓ Cleaning and user maintenance on the appliance shall not be made by children without supervision.
- ✓ The appliance shall be disconnected from its power source during service and when replacing parts.
- ✓ Maintain a clean and well-lit work area. Cluttered or poorly lit environments increase the risk of accidents.
- ✓ Work outdoors whenever possible, provided there is no risk of rain, water, or moisture exposure. If outdoor work is not feasible, ensure the indoor workspace is dry and well-ventilated. Ventilation fans should be positioned to exhaust air from the inside to the outside.
- ✓ Always keep a fully charged fire extinguisher readily accessible when operating the induction heater.
- ✓ Always wear safety goggles when operating the induction heater. Protect your eyes from potential sparks, debris, or accidental splashes.
- ✓ Fumes and smoke from hot or burning adhesives are toxic. Always wear a dual-filter respirator mask (dust and fume) that is approved by the appropriate government authority to protect your respiratory health.
- ✓ Wear heat-resistant gloves when operating the induction heater. The heater rapidly heats metal, and handling hot metal surfaces without protection can result in burns to your hands and fingers.
- ❑ **WARNING! C. HF Radiation:** High-frequency (HF) emissions can cause interference. HF radiation may disrupt radio navigation systems, safety services, communication devices, and computer equipment.
- ✓ Installation should be performed only by qualified personnel familiar with electronic equipment. Improper installation can result in equipment damage or personal injury.
- ✓ The user is responsible for ensuring that any interference caused by the installation is promptly corrected by a qualified electrician.
- ✓ If notified by the appropriate government communications authority about interference, immediately cease use of the equipment. Continued operation may violate regulations and result in penalties.
- ✓ Ensure the installation is regularly inspected and maintained. Routine checks help prevent malfunctions and ensure safe operation.
- ✓ Keep all doors and panels of the high-frequency source securely closed during operation. This helps prevent exposure to electromagnetic radiation and ensures safe, reliable performance.
- ✗ **DO NOT** use the heating inductor if its insulation is damaged or breached. Damaged insulation can cause sparking upon contact with the vehicle, creating a serious fire hazard, especially when working near fuel tanks, gas lines, or other flammable materials.
- ✗ **DO NOT** use the heating inductor if the insulation is damaged or compromised. Breached insulation can cause sparking upon contact with a vehicle, creating a serious fire hazard, especially when working near gas lines or fuel tanks.
- ❑ **WARNING!** Never attempt to heat aerosol cans, paint cans, or any pressurized containers that store fuels, compressed gases, or liquids. The heat generated by the induction heater can cause these containers to explode and ignite their contents, resulting in fire or serious injury.

#### 1.4. SAFETY DEVICES

This equipment is water-cooled, using water to regulate the temperature of the electronics, transformer, and tool. A built-in flow sensor prevents the induction heater from being activated via the control button if the water flow rate is insufficient. Additionally, the system includes sensors to monitor the internal temperature of both the induction heater and the coolant. If overheating is detected, the equipment will not start, ensuring safe operation.

#### 1.5. RESPIRATORY PROTECTION

Fumes and smoke from hot or burning adhesives are toxic and require proper respiratory protection. Always wear a dual-filter respirator mask rated for dust and fumes. Ensure the mask fits securely, as beards or facial hair can prevent a proper seal. Filters should be changed frequently, disposable paper masks are not adequate for this purpose.

#### 1.6. AIRBAG SAFETY PRECAUTIONS

- ✗ **DO NOT** use the induction heater within 6 inches (15 cm) of any airbag component. The heat generated by the induction heater can ignite the airbag propellant, causing sudden and unexpected airbag deployment, which may result in serious injury. Always refer to the vehicle manufacturer's service manual to determine the exact location of all airbag modules and components before beginning work.
- ✓ Be aware that airbags may be located in roofs, doors, seat sides, dashboards, and other areas depending on the vehicle model.

## 2. INTRODUCTION

Delivers longer-lasting high heat fast and effectively. Ideal for cars, trucks, agricultural machinery, boats and engineering. Suitable for larger seized nuts and bolts including track rods. Straightening of steel frames and chassis and can pre-heat larger welding areas. Variable heat settings, enable the users to apply correct heat for specific jobs. Memory function allows up to ten heat settings to be stored for the user's convenience.

## 3. SPECIFICATIONS

Model No:	VS290
Frequency:	14-19kHz
Fuse Rating:	16A
Nett Weight:	104kg
Power Supply Cable Length:	4.7m
Power:	12kW
Product Life Applicable:	No
Maximum Weight With Coolant:	144kg
Supply:	415V ~ 50Hz (3 phase)

Ingress Protection Rating:	IP21
Tank Capacity:	42L
Induction Cable Length:	5m
Cable Length:	4.7m
Temperature Range:	0 to 40°C
Connected Load:	9 kVa
Duty Cycle:	38mins @ 20° C, 8mins off
Cooling System:	Water Cooled with Refrigerator

## 4. FUNCTIONS & FEATURES

Number	Function
1	Set (Confirm) key
2	Left key
3	Return key
4	Temperature indication of coolant water in tank
5	Remain cycle time (Cycle duration)
6	Output power indication.
7	Heating power adjust keys, or up and down keys
8	Right key
9	Transformer unit
10	Inductor button
11	Rotatable ring
12	Induction unit
13	Coolant refill
14	Earth fault breaker
15	Inductor unit
16	Inductor unit holder

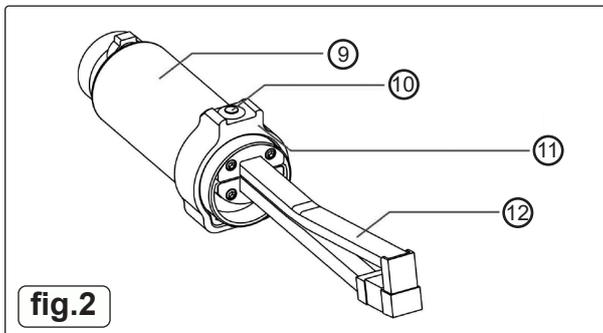


fig.2

The device is engineered to heat ferromagnetic conductive materials by focusing a high-intensity alternating magnetic field at the inductor head. Operating at a frequency of approximately 18 kHz, the alternating field induces eddy currents within the target material. These currents generate localized heat due to the Joule effect (resistive heating) within the material's structure.

The inductor itself remains cool and does not generate heat; instead, it emits a non-thermal, alternating magnetic field, ensuring energy is transferred efficiently and contactlessly to the workpiece see fig.4

### 4.1. SAFETY DEVICES

The equipment is water-cooled, with cooling applied to the electronics, transformer, and tool. It features a flow sensor that prevents operation via the control button if the water flow rate is too low. The unit also includes seven internal sensors to monitor the temperature of the induction heater and cooling water. If any temperature threshold is exceeded, the heater cannot be activated. A dedicated circuit ensures the hose package includes a protective earth connection. For safety, the equipment is fitted with a 16A fuse and an earth fault breaker.

## 5. OPERATION

### 5.1. BEFORE OPERATION

☐ **WARNING: DO NOT** place the induction heater on uneven or unstable surfaces. Instability may cause the unit to tip over, resulting in potential personal injury or significant equipment damage.

### 5.2. UNPACKING

- Inspect the packaging for any signs of damage upon receipt.
- Carefully remove the instruction manual and all packaging materials.
- **IMPORTANT:** Ensure that no packaging materials remain near the machine before powering it on, as this may pose a fire hazard. The machine is heavy, weighing about 105Kg (without water), or 145Kg (with water). To avoid the risk of personal injury, minimum need two men to move the machine off the pallet. See fig.5 on the next page.

### 5.3. COOLANT REFILL

To refill the coolant, add a mixture of clean, decalcified water and 30% propylene glycol through the tube at the back of the machine until the water level is 2–3 cm below the top of the tank. See fig.6 on the next page.

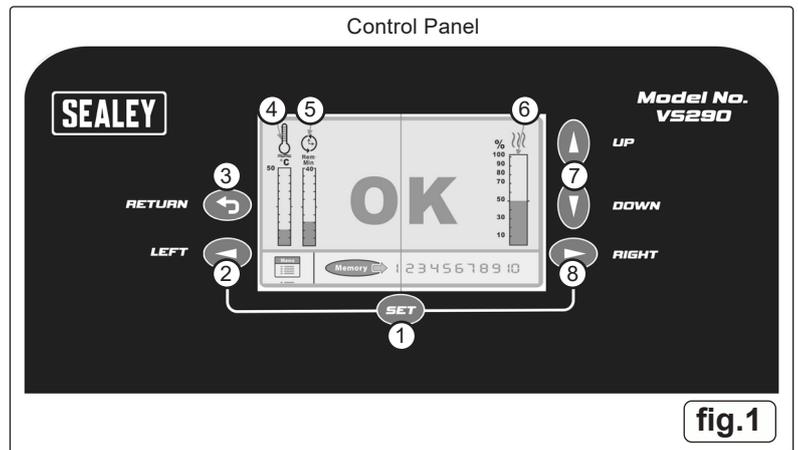


fig.1

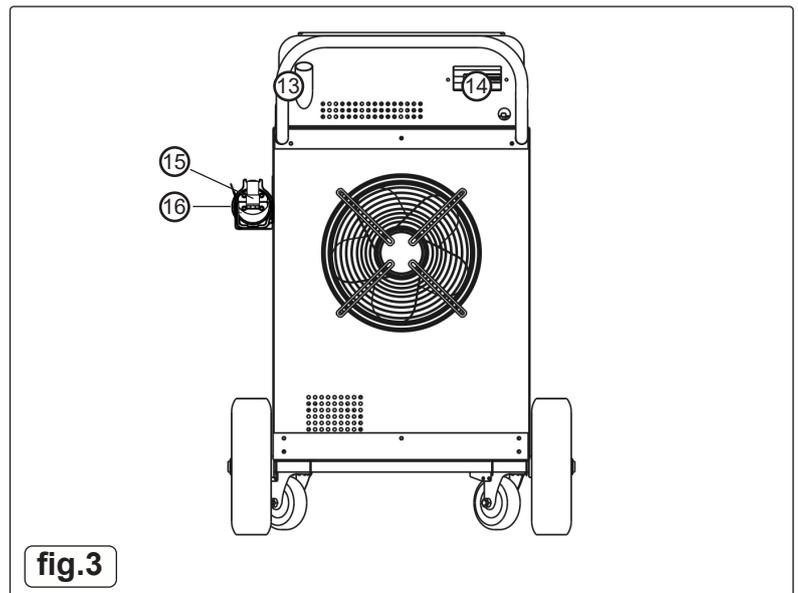


fig.3

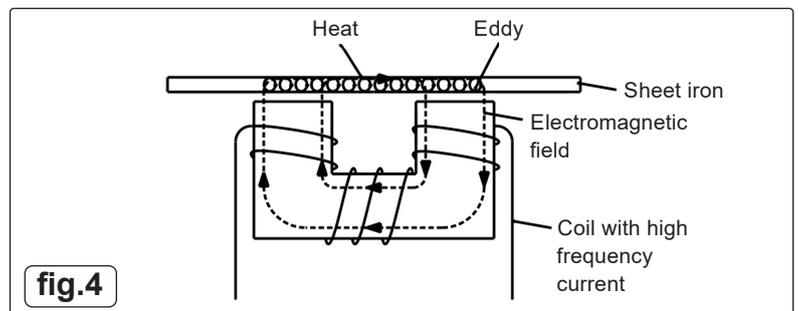
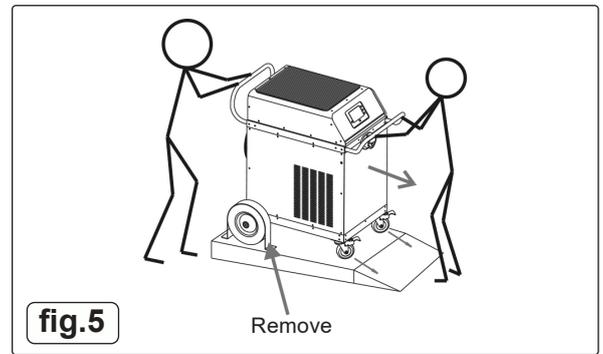
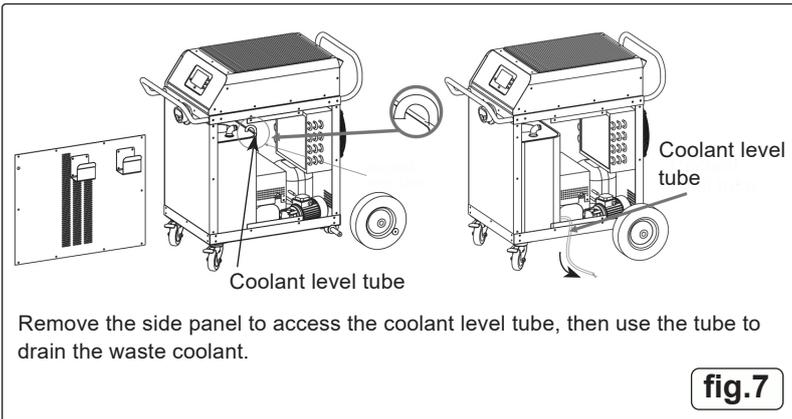


fig.4

#### 5.4. COOLANT DRAINING PROCEDURE

For repairs or replacement of used coolant, a technician should drain the coolant from the tank by following the procedures in fig.7



#### 5.5. INITIAL COOLANT FILLING

❑ **WARNING!** The machine should be filled with coolant for the first time or after the old coolant has been discharged; if a screen image message appears  on the screen at startup, this is normal and the machine can usually resume operation after one or a few restarts.

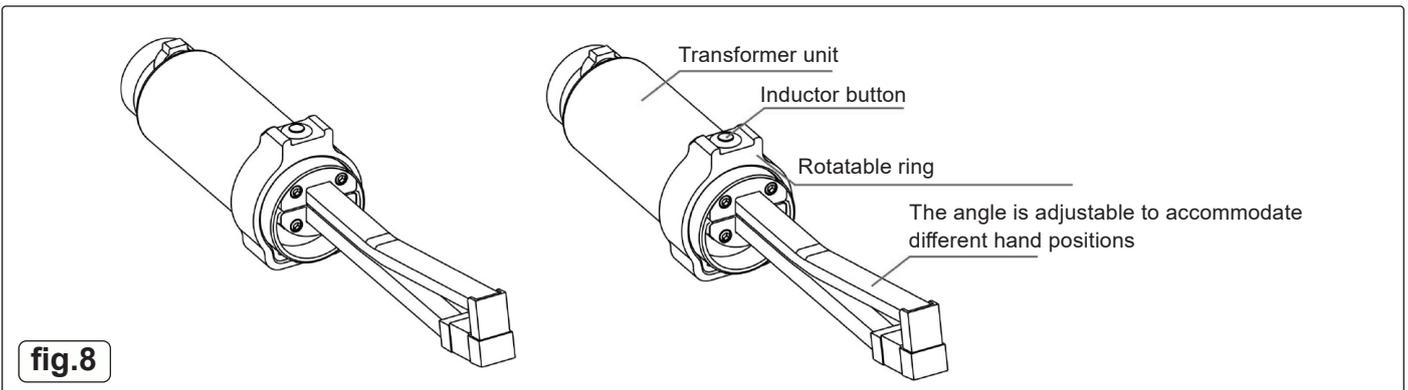
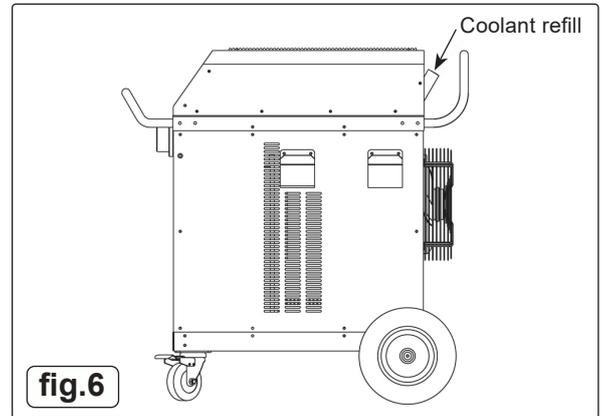
#### 5.6. READY

To prepare the machine, turn on the fuse and earth fault breaker at the back, switch on the power on the front panel to start initialization, and after about 30 seconds when the screen shows "OK," the machine is ready for operation by pressing the inductor button for induction heating.

#### 5.7. INDUCTOR BUTTON FUNCTION (fig.8)

The inductor button is attached to the transformer via a rotatable ring. During the heating process, the "OK" indication turns off, and the display changes to show that heating is in progress. Simultaneously, the remaining cycle time and the machine's overheating protection status are displayed on the left side of the screen in the form of two parallel scales.

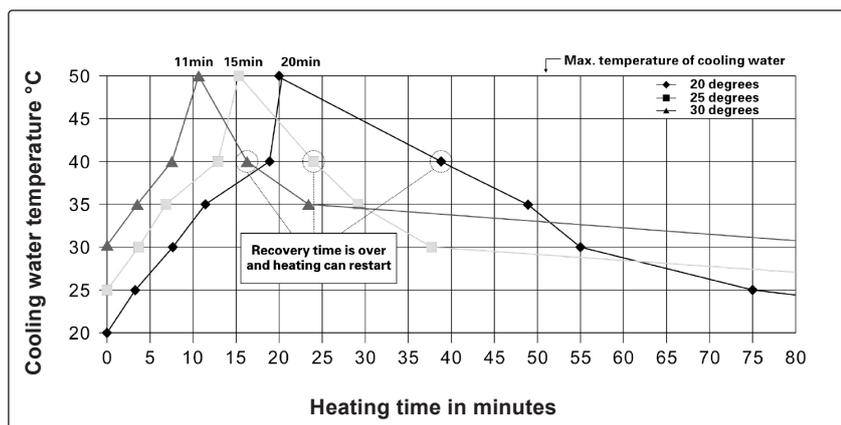
**NOTE:** Ensure proper coolant circulation is maintained during operation to prevent overheating.



#### 5.8. CYCLE TIME

The maximum cycle time for the equipment is 38 minutes at maximum heating power, followed by approximately an 8-minute break between cycles. If lower heating power is used, the cycle time increases proportionally to the reduction in output power. The cycle time is displayed on a scale on the left side of the screen and is continuously updated during operation, allowing the user to easily monitor their work.

**NOTE: CAUTION** When the coolant temperature is below 20°C and the machine is powered on, it will automatically enter "Sleep" mode after 12 minutes of inactivity to save energy and extend its lifespan. The machine will remain in this mode until either the control or inductor button is activated. To resume operation from "Sleep" mode, press the heating button twice.

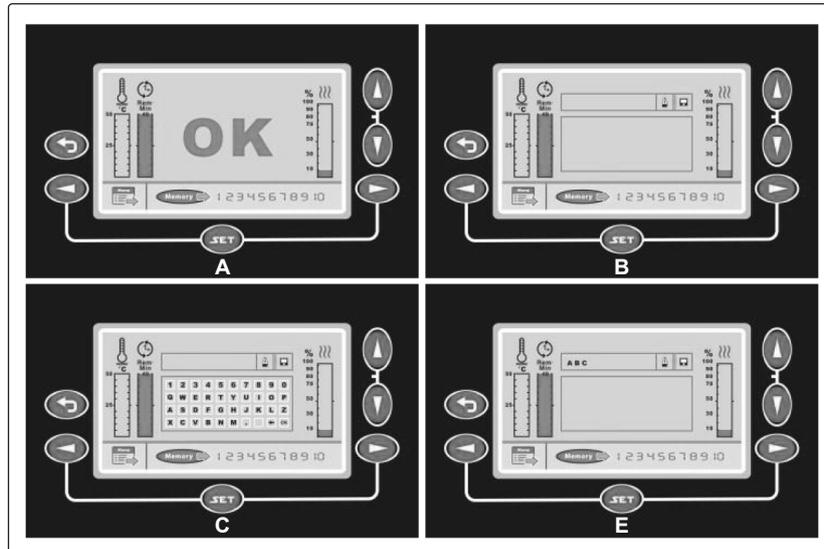


The machine is automatically set at 80% heating power. If an alternative. Heating power is required, set the arrow buttons on the right side of the screen; a scale shows the decrease or increase of the setting in steps of 5%. When the machine is switched off, the heating power setting returns to the default 80%.

### 5.9. MEMORY SETTING

The preset heating power is provided for reference only; users can adjust the power based on the heated item and required speed. For convenience, there are 10 customizable memory keys available in the manual. These keys allow users to save both the adjusted heating power and the name of the corresponding heating item.

To save the heating part name and output power percentage, follow these steps:



### 5.10. SAVING AND RECALLING MEMORY SETTINGS:

To save a heating part name and output power percentage:

1. Use the arrow keys to set your desired output power percentage (Status A).
2. Use the arrow keys to select a memory position (1–10), then press “SET” to confirm (Status B).
3. Use the arrow keys to select letters for naming the heating part, pressing “SET” after each letter (Status C).
4. To delete a letter, navigate to the delete option in Status C and press “SET.”
5. Once the name input is complete, press the confirmation button to proceed to Status E.
6. In Status E, confirm the save by selecting the save option and pressing “SET.” The setting will be stored even after the machine is turned off.

### 5.11. TO RECALL A SAVED SETTING:

1. In Status A, use the arrow keys to select a memory position (1–10), then press “SET.”
2. The saved part name and output power percentage will appear; press the inductor button to use the setting.

### 5.12. SWITCHING OFF THE MACHINE

After turning off the switch(es) on the panel and/or the back of the machine, high voltage may still remain inside for a short time, but the machine will discharge it automatically; to ensure complete discharge, turn off all switch(es) and wait at least 15 minutes.

### 5.13. USE/OVERHEATING

Controlling the heating point of the workpiece is crucial, as overheating can weaken the workpiece and shorten the inductor’s lifespan; a simple method is to monitor the colour of the heating point, ensuring it does not exceed 800°C–900°C. See fig.9

## 6. MAINTENANCE

### 6.1. MODIFICATION WARNING

✘ **DO NOT** remove covers or perform any work on the induction heater while it is connected to the mains power supply.

- The equipment must not be modified in any way without prior written approval from the manufacturer.
- The user is fully responsible for any technical failures resulting from:
  - Improper use.
  - Inadequate maintenance.
  - Accidental damage.
  - Unauthorised repairs or modifications by anyone not authorised by the manufacturer.

#### Service and Maintenance Warning

- All major servicing or maintenance must be performed by authorised service personnel.
- High-voltage risk: Internal components carry a dangerous electric charge.

#### Electrical Safety

- Always disconnect the machine from the power source before carrying out any:
  - Cleaning.
  - Maintenance.
  - Service or repair.

#### Personal Safety

- ✘ **DO NOT** wear metallic objects (e.g., watches, rings, bracelets) during operation.
  - Metal accessories may become dangerously hot due to induction fields and can cause burns.

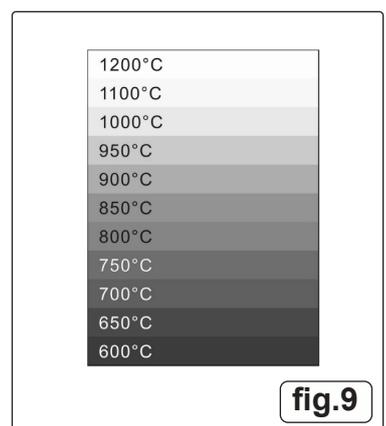


fig.9

### IMPORTANT Note on Warranty

- Any attempt by the user to interfere with the machine during the warranty period in an effort to rectify faults will void the warranty provided by the supplier.

### 6.2. INDUCTION HEATER

- Keep the unit clean by wiping it down regularly with a damp cloth and mild soapy water.
- Inspect wiring and coolant hoses to ensure they are free from damage or wear.
- If damage or coolant leakage is found:
  - Immediately switch off the machine.
  - Disconnect the power supply.
  - Contact Sealey Service Centre for assistance.

### 6.3. COOLING UNIT & PLACEMENT MAINTENANCE

- Ensure cooling vents and airflow paths (on both sides and underneath the unit) are not obstructed. See fig.10
- Clean the cooling grille and ventilation openings using a damp soapy cloth.
- Regularly verify the cooling fan is operating correctly.
- Good airflow is essential for reliable operation and to prevent overheating.

#### Checking the Coolant Level

##### - To fill the coolant:

The cooling unit is not pre-filled with coolant and must be filled with a mixture of clean, decalcified water and 30% propylene glycol; add the coolant through the tube at the back of the machine until the water level is 2–3 cm below the top of the tank. See fig.11

- **WARNING!** Only fill the reservoir with clean water, adding anti-freeze if necessary, using other substances may cause personal injury or equipment damage.

**IMPORTANT!** DO NOT use salty, brackish, or very hard water; if water quality is uncertain, use a mixture of water and anti-freeze.

**IMPORTANT!** If the induction heater is used in environments where the temperature falls below freezing, antifreeze must be used; the recommended mixture is 30% propylene glycol.

### 6.4. INDUCTOR UNIT HANDLING & MAINTENANCE

- Ensure the inductor is securely mounted in the inductor handle before operation.
- The contact surfaces between the handle and the inductor must be clean and free of oil, dirt, or debris. Use alcohol to clean these surfaces.

- × **DO NOT** use any inductor that has:

- A cracked field amplifier, or
- Signs of water leakage.

When performing maintenance or repair tasks, the inductor may become tacky due to paint residue.

This is normal and does not affect equipment function or performance.

### 6.5. REPLACING THE INDUCTOR UNIT

A replacement inductor can be ordered from Sealey Service Centre. To install the new unit, follow these steps carefully:

#### 1. Turn Off the Machine.

Ensure the induction heater is powered off and unplugged from the mains supply before beginning any work.

#### 2. Remove the Existing Inductor.

Use an Allen key to detach the current inductor unit from the handle.

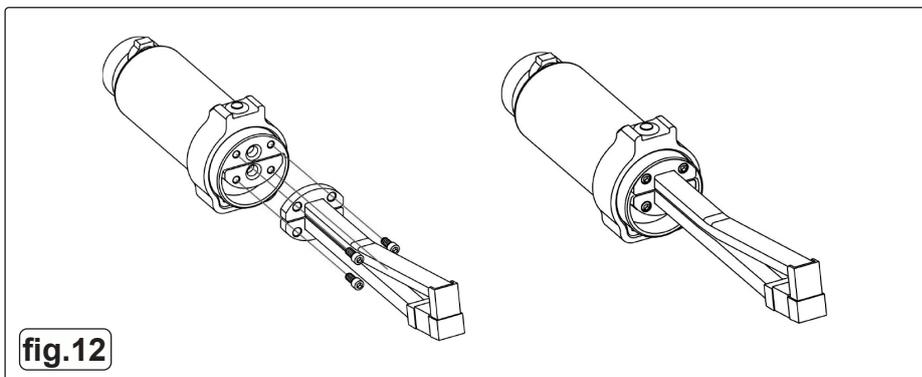
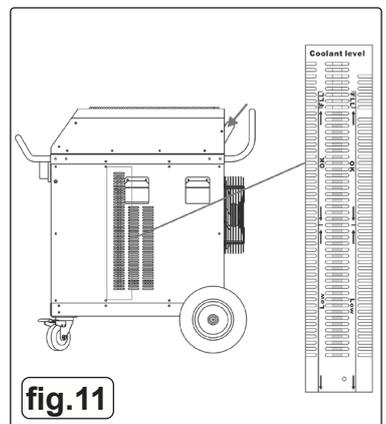
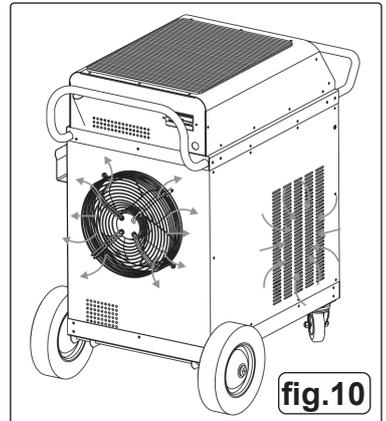
#### 3. Inspect and Clean Contact Surfaces

- Check that the terminals on both the inductor unit and the handle are clean and free of debris.
- If dirty, gently polish with soft emery cloth, then clean with alcohol.

- × **DO NOT** use grinders or wire brushes, as these may damage the contact surfaces.

#### 4. Install the New Inductor Unit fig.12

- Use only the original bolts, washers, and O-rings supplied with the new unit.
- Secure the inductor by hand-tightening the bolts.
- Ensure all components are properly seated and tightened, **DO NOT** overtighten.



#### IMPORTANT NOTE: on Securing the Inductor Unit

When replacing the inductor unit, ensure that all bolts are firmly and properly tightened.

Failure to secure the screws correctly can result in the threaded insert becoming detached and sticking to the screw. This may cause damage to the insert and potentially lead to it being pulled out during future inductor replacements.

## 6.6. EARTH FAULT BREAKER

Test the machine's earth fault breaker once a month by pressing the test button to ensure proper functioning.

### ❑ **WARNING!** Unauthorised Modifications

- ✘ **DO NOT** modify the equipment or its components without the prior written permission of the manufacturer.

The user is liable for any technical failures resulting from:

- Improper use.
  - Inadequate maintenance.
  - Damage.
  - Unauthorised repairs or modifications by any party other than the manufacturer or one specifically authorised by the manufacturer.
- All major service and maintenance must be performed exclusively by the manufacturer's authorised service personnel. Contact Sealey Service Centre.

Risk of electric shock. Unauthorised servicing may result in serious injury or equipment damage.

- ✘ **DO NOT** remove any cover plates or perform maintenance on the induction heater without first disconnecting it from the mains power supply. Risk of electric shock.

Disconnect the induction heater from the mains power supply before performing any service, cleaning, or maintenance.

Failure to do so may result in electric shock.

## 6.7. STORAGE

Store in a clean, dry, and well-ventilated area, protected from dust, moisture, and direct sunlight. Ensure it is placed on a stable surface, with coolant lines and electrical connections secured to prevent damage. Avoid exposure to extreme temperatures and corrosive substances.

## 6.8. PACKAGING AND END-OF-LIFE DISPOSAL

All packaging materials used with this equipment are recyclable. Please ensure they are disposed of through appropriate recycling channels.

The induction heater is designed with a high level of recyclability. However, some components may contain hazardous substances and must not be discarded with regular household waste.

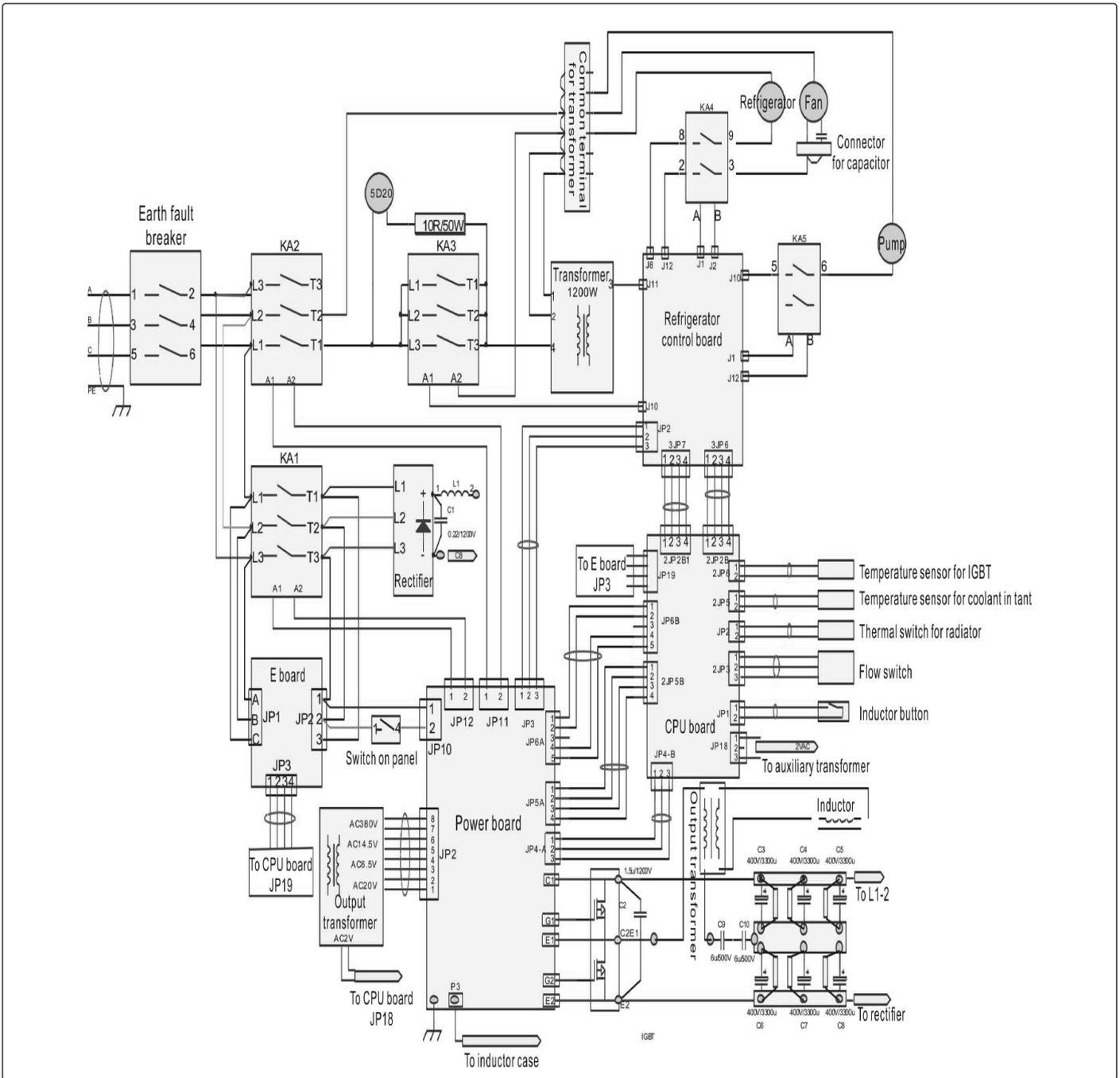
For guidance on environmentally responsible disposal, consult your local electronic waste disposal regulations.

# 7. TROUBLESHOOTING

PROBLEM	CAUSE	CORRECTIVE ACTION
Overheat, waiting for Recovery.	The machine has overheated.	1. wait for it to cool down before resuming operation. 2. The machine has overheated; wait until the cooling cycle is finished. If the fault reoccurs, contact Sealey Service Centre.
Refrigeration Failure.	Refrigeration Failure.	Check the coolant level and system components. If the issue persists, contact Sealey Service Centre.
Water Pump Failure.	Water pump.	The water pump is not functioning properly; check for blockages, coolant level, and pump connections. If the problem continues, contact Sealey Service Centre.
Inverter Circuit Failure (IGBT or Connecting PCB).	Inverter circuit.	A fault has occurred in the inverter circuit, possibly involving the IGBT or connecting PCB; discontinue use immediately and contact Sealey Service Centre for inspection and repair.
Cooling Fan Failure.	Cooling fan.	The cooling fan is not operating correctly; check for obstructions or loose connections. If the issue persists, stop using the machine and contact Sealey Service Centre.
Power Frequency Incompatibility.	Power frequency inconformity with the equipment.	The machine can only operate on a 50Hz (or 60Hz) power supply; ensure the power frequency matches the machine's requirement to avoid malfunction.
Water Flow Failure.	Insufficient or no water flow detected.	Check the coolant level, water pump, and hoses for blockages or leaks. If the issue persists, contact Sealey Service Centre.
Earthing Failure.	The machine is not properly grounded.	Check the earth connection immediately to prevent electrical hazards. Do not operate the machine until the issue is resolved.
Temperature Sensor Line Failure.	Temperature circuit error.	Check for loose connections, damage, or faulty wiring. If the problem persists, contact Sealey Service Centre for assistance.
Power Phase Loss.	A phase is missing in the power supply.	Check the power connections and ensure all phases are functioning properly. If the issue persists, contact Sealey Service Centre.
Troubleshoot icon on screen after initialization.	If the screen displays the troubleshoot icon after turning on and initialization.	Indicates a system issue. Contact Sealey Service Centre for assistance.

Inductor overheating and spark issue.	If the inductor gets hot and sparks appear between the inductor and transformer.	Turn off the machine immediately. Check for any loose connections or damage, and if the issue persists, contact Sealey Service Centre for inspection and repair.
Water leak at the inductor.	O-rings damaged or the inductor is worn out.	Order new O-rings or a new inductor from Sealey Service Centre.
Hose package water leak.	If the hose package is damaged.	Inspect it for cracks, loose fittings, or worn seals. Turn off the machine and repair or replace the damaged components. If the issue persists, contact Sealey Service Centre.
Sparks between inductor and workpiece.	Worn inductor.	Order replacement from Sealey Service Centre.
Crack formation in the inductor.	Overheated work piece has caused the field amplifier to crack.	If cracks are found in the inductor, discontinue use immediately as this can lead to malfunction or safety hazards. Inspect for damage and replace the inductor if necessary. Contact Sealey Service Centre for further evaluation or replacement.
No Heat Output from Machine.	Inductor not properly secured / Missing power phase.	If the machine does not provide heat, check the power supply, inductor connection, and heating settings. Ensure there are no error messages on the screen. If everything appears normal and the issue persists, contact Sealey Service Centre for diagnosis and repair.
Screen not lighting up.	The induction heater is not connected to the mains supply.	Connect the induction heater to the wall socket.
	No electricity at the wall socket or the main fuse has tripped.	Contact Sealey Service Centre.
	Loose connections in the plugs or wall socket.	Contact Sealey Service Centre.
	Break in the extension cable if there is one.	Contact Sealey Service Centre.
Control panel buttons not working.	The button unit is defective.	If the control panel buttons are unresponsive, check for a proper power supply, ensure the machine has fully initialised, and inspect for any visible damage or loose connections. If the problem persists, contact Sealey Service Centre for further assistance.
Abnormal Noise.	Something is lodged against the fan.	If the machine is producing abnormal noise, stop operation immediately and inspect for loose components, internal damage, or malfunctioning parts. If the source of the noise cannot be identified or resolved, contact Sealey Service Centre for diagnosis and repair.

## 7.1. ELECTRICAL DRAWINGS



### ENVIRONMENT PROTECTION

Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment. When the product becomes completely unserviceable and requires disposal, drain any fluids (if applicable) into approved containers and dispose of the product and fluids according to local regulations.



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### WEEE REGULATIONS

Dispose of this product at the end of its working life in compliance with the EU Directive on Waste Electrical and Electronic Equipment (WEEE). When the product is no longer required, it must be disposed of in an environmentally protective way. Contact your local solid waste authority for recycling information.

**NOTE:** It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice. Please note that other versions of this product are available. If you require documentation for alternative versions, please email or call our technical team on [technical@sealey.co.uk](mailto:technical@sealey.co.uk) or 01284 757505.

**IMPORTANT:** No Liability is accepted for incorrect use of this product.

**WARRANTY:** Guarantee is 12 months from purchase date, proof of which is required for any claim.

**Jack Sealey Ltd t/a Sealey Group**, Kempson Way, Suffolk Business Park, Bury St Edmunds, Suffolk, IP32 7AR UK  
**Jack Sealey (EU) Ltd t/a Sealey Group**, Farney Street, Carrickmacross, Co. Monaghan, A81 PK68 Ireland  
**Tel:** 01284 757500 • **Email:** [sales@sealey.co.uk](mailto:sales@sealey.co.uk) • **Web:** [www.sealey.co.uk](http://www.sealey.co.uk)