

PLEASE READ THESE INSTRUCTIONS CAREFULLY BEFORE INSTALLATION

INFORMATION SHEET

INSTALLATION INSTRUCTIONS

This instruction leaflet will provide you with all the information required to safely own, install and operate your **SPEEDHEAT** instant HOT WATER unit. Care has been taken in the design and manufacture of the unit to ensure total insulation of the electrical components of the unit.

SPEEDHEAT has been tested and approved in accordance with the relevant safety requirements which are available on request. **Please read these instructions carefully before attempting to install, operate the unit.** Do not attempt to service the unit yourself as this will damage the seals. Failure to comply with these instructions could result in personal injury and / or damage to the unit, and invalidate the factory warranty.

INSTALLATION

Electrical

1. The unit should be installed according to the NATIONAL WIRING code of practice, as required in every relevant country. All work carried out on a distribution board should be done by a qualified person.
2. **SPEEDHEAT** is designed to operate on a 220-240V power supply. The 3,5kW unit will draw $\pm 13A$ and the 5,0kW unit will draw $\pm 22A$.
3. Ensure that the minimum of a 2,5mm cable is used on either unit. Should the distance between the 5 kW unit and the power source be more than 4 metres, we recommend a 4mm cable be used.
4. To conform to safety regulations **SPEEDHEAT** must be connected to an isolator/breaker providing all pole disconnection of **15A for the 3,5kW** and **25A for the 5kW** unit and **via the earth leakage system**.

OPERATION

Pressure / Temperature

1. **SPEEDHEAT** will begin to operate at a minimum of 50kPa (0,5 Bar) water pressure.
2. For best results turn on the cold water and regulate the flow to achieve the temperature required. Increasing the flow will result in lower water temperature, and reducing the flow will result in higher water temperature.
3. Any adjustment of the water flow rate will alter the temperature.
4. If a storage tank is used, the **SPEEDHEAT** would require a minimum of 5 meter water head pressure to ensure a comfortable shower.
5. **Do not activate this appliance if the water inside is frozen.**

QUICK, SIMPLE FAULT FINDING CHECKS

If the unit does not get hot, check the following:

ELECTRICAL

1. Have you got power at the terminals?
2. Is the circuit breaker on and is it correct for the load
i.e. 5kW unit needs a 25 Amp Breaker.

WATER

3. Open the tap enough to hear the micro-switch switch click. Run the water for at least 15 seconds.
4. If not switching on, check your water pressure is 50 kPa or higher.

If all the above are checked and unit is still not heating, contact the manufacturer or your supplier / dealer.

SPEEDHEAT Contact Number: 0655469599

OPERATING INSTRUCTIONS

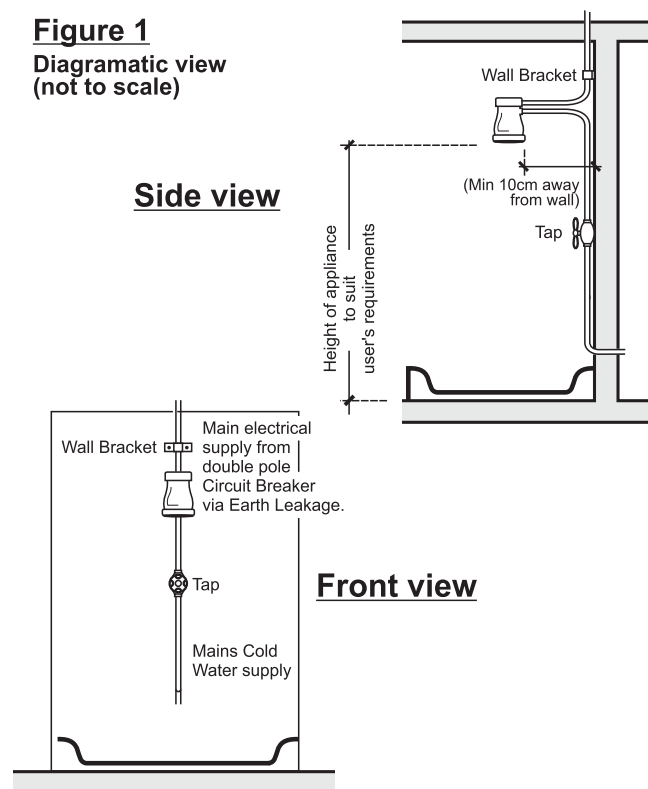
STEP 1

**OPEN THE TAP TO ALLOW
FOR A GOOD FLOW OF
WATER TO START HEATING.**

STEP 2

**SLOWLY REDUCE THE FLOW OF
WATER UNTIL THE DESIRED WATER
TEMPERATURE IS REACHED**

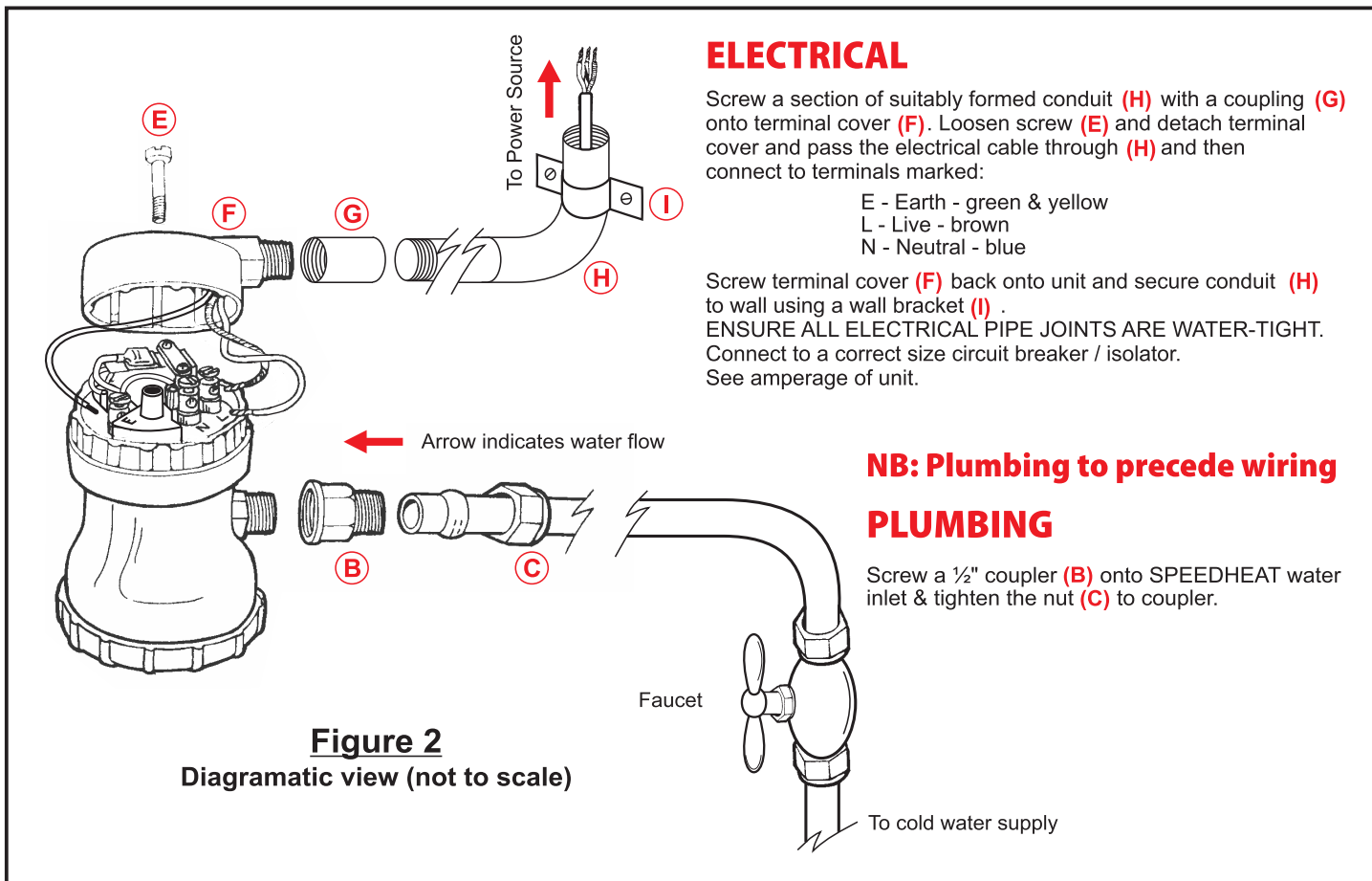
Figure 1
Diagrammatic view
(not to scale)



RATE OF FLOW TEMPERATURE CHART

Cold Water Temperature @ $\pm 20^{\circ}C$ will increase to:

Unit @ 230V	5 L / min	3 L / min	1.6 L / min
5,0kW / 22Amp	$\pm 35^{\circ}C$	$\pm 43^{\circ}C$	$\pm 59^{\circ}C$
3,5kW / 13Amp	$\pm 31^{\circ}C$	$\pm 38^{\circ}C$	$\pm 49^{\circ}C$



WARRANTY

YOUR **SPEEDHEAT** HOT WATER UNIT carries a 12 month warranty against defective materials and workmanship, from the date of purchase by the user. Any unit that should fail within the warranty period, will be repaired or replaced if returned by prepaid postage to the manufacturer or to an appointed supplier / dealer. All defective units will be fully inspected to determine 'CAUSE OF FAILURE' for the warranty to be approved.

The warranty is subject to the condition that any such defects have not been caused by:

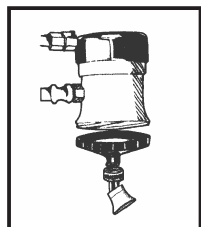
- 1) Incorrect or faulty installation
- 2) Inadequate water or power supply
- 3) Misuse, neglect or careless handling of any kind

This Warranty is in substitution for any and all other warranties.

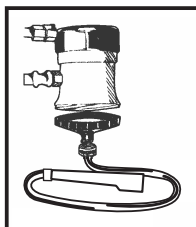
IMPORTANT NOTE

- 1) "This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety".
- 2) "Children should be supervised to ensure that they do not play with the appliance".
- 3) The Speedheat must always be mounted vertically and be securely screwed to the metal water pipe that protrudes approximately 10 cm out from the wall at the end of the water line. See figure 1. The Speedheat may not depend on the use of adhesives since they are not considered to be reliable fixing means.
- 4) "This appliance must be installed in accordance with the National wiring regulations SANS10142".
- 5) The 5kW Speedheat unit draws 22 amps and requires a qualified electrician to wire this unit direct to the DB board through a 25 amp circuit breaker and cannot be plugged into a 15 amp plug point".
- 6) The 3.5kW Speedheat draws 13 amps and therefore can be plugged into a normal 15 amp plug point provided no other device/s is/are drawing power from that circuit.
- 7) Speedheat is not an in-line heater and cannot push water to another point.

OTHER AVAILABLE ATTACHMENTS



CHROME SHOWER ROSE
(Swivel Head)



HAND SHOWER

MANUFACTURED BY:

SPEEDHEAT

Unit 2, 8 Caversham Road, Pinetown, 3610
SPEEDHEAT SERVICES - 0655469599

SALES & MARKETING - Rob Westerman - 083 305 2905

Email: rob@speedheatkzn.co.za

Web: www.speedheatkzn.co.za

MADE IN SOUTH AFRICA