



## **MS6 STORED WATER HEATER**

### **INSTALLATION & OPERATING MANUAL**

#### **IMPORTANT**

This booklet should be left with the user  
after installation and demonstration

Thank you for purchasing a quality Redring appliance. A brand of GDC group  
Limited trading as Glen Dimplex Heating & Ventilation

To enjoy your new unit at its best, please take time to read this manual thoroughly  
to familiarise yourself with all instructions, BEFORE beginning installation.

If you experience any difficulty with the installation or operation of your new water  
heater, then please refer to the “What to do if things go wrong” section in this  
manual before contacting us.

**THIS APPLIANCE CAN BE USED BY CHILDREN AGED FROM 8 YEARS AND  
ABOVE AND PERSONS WITH REDUCED PHYSICAL, SENSORY OR MENTAL  
CAPABILITIES, OR LACK OF EXPERIENCE AND KNOWLEDGE IF THEY  
HAVE BEEN GIVEN SUPERVISION OR INSTRUCTION CONCERNING USE OF  
THE APPLIANCE IN A SAFE WAY AND UNDERSTAND THE HAZARDS  
INVOLVED.  
CHILDREN SHALL NOT PLAY WITH THE APPLIANCE.**

**CLEANING AND USER MAINTENANCE SHALL NOT BE MADE BY CHILDREN**

**WATER MAY DRIP FROM THE DISCHARGE PIPE OF THE PRESSURE-  
RELIEF DEVICE AND THE PIPE MUST BE LEFT OPEN TO THE  
ATMOSPHERE**

**THE PRESSURE-RELIEF DEVICE IS TO BE OPERATED REGULARLY TO  
REMOVE LIME DEPOSITS AND TO VERIFY THAT IT IS NOT BLOCKED.**

**IF THE POWER CORD IS DAMAGED, IT MUST BE REPLACED IMMEDIATELY  
BY AN APPROPRIATELY QUALIFIED PERSON, IN ORDER TO AVOID ANY  
RISKS.**

**REDRING AFTER SALES SERVICE**

We offer a technical advisory service on the telephone to installers and other  
customers with problems in the field.

**RING 0344 879 3588 (UK ONLY)**

Or alternatively email us on:

**Customer.services@glendimplex.com**

Remember to quote the exact type of unit, as written on the front of the unit and on  
this leaflet. The model number is located on the unit.

Make a note of the number here, and be sure to quote it if you call for advice.

**Model Number: .....**

This electric water heater complies with the requirements of EN 60335-1, EN 60335-2-21.

## PURPOSE OF USE

The appliance is designed to supply hot water to household facilities equipped with a plumbing system operating with pressure not greater than 6bar.

It is designed to operate only in closed and heated premises where the air temperature is not lower than 4°C and it is not designed to operate continuously.

## TECHNICAL SPECIFICATIONS

Nominal volume	- 6litres
Nominal voltage	- 230-240V AC
Nominal power consumption	- 1500 watts
Nominal pressure	- 6bar

## ATTENTION!

***This is not the water mains pressure. This is the pressure that is rated for the appliance and refers to the requirements of the safety standards.***

Water heater type	closed accumulating water heater, with thermal insulation
Inner coating:	Glass-ceramic
Daily energy consumption	- see Annex I
Rated load profile	- see Annex I
Quantity of mixed water at 40°C	6 litres - see Annex I
Maximum temperature of the thermostat	- see Annex I
Default temperature settings	- see Annex I
Energy efficiency during water heating	- see Annex I

## IMPORTANT RULES

**DO NOT** switch the electrical supply on to the water heater until you are sure that it is filled with water.

A suitably qualified person must perform the connecting of the water heater to the water supply.

A suitably qualified electrician must perform the connecting of the water heater to the power supply, if the plug is not used. (See page 11 for colour codes)

Connecting the water heater to the electric mains via a plug must only use the plug supplied.

If the water heater will not be used for longer than 3 days and the temperature in the premises could drop below 4°C, the water in the water heater must be drained to avoid any possible damage of the appliance.

## IMPORTANT SAFETY INFORMATION

Your MS6 Heater has been designed for convenience, economy and safety of use, provided that it is installed, used and maintained in good working order and in accordance with our instructions and recommendations.

- All wiring and installation must be supervised by a suitably qualified person.
- **THIS APPLIANCE MUST BE EARTHED.**
- The installation must be in accordance with the current edition of BS.7671 (the “IEE Wiring Regulations”) and “Part P” of the “Building Regulations” in force at the time of installation. Installations outside of England and Wales must also conform to any local regulations in effect.
- This appliance is intended to be permanently connected to the fixed electrical wiring of the mains supply with its own dedicated supply OR using the plug provided.
- Ensure that the mains water supply meets the requirements listed.
- This appliance **MUST NOT** be fitted where it may be subjected to freezing conditions. **DO NOT** switch the appliance on if you suspect it of being frozen. Wait until you are sure it has thawed out.
- The unit **MUST NOT** be mounted upside down.
- The 6 bar Pressure Relief Valve (supplied) **MUST BE** fitted in the Inlet feed to the unit.
- **In ALL cases the DIELECTRIC JUNCTIONS MUST be connected to the heater before any other connection is made. This is very important as they prevent the heater against potential aggressive corrosion.**
- Isolate the mains electrical and water supply before removing the front cover of the appliance.

For safe operation, the safety pressure relief valve must undergo regular cleaning and inspection for normal functioning, the valve must not be obstructed, and for regions with hard water it must be descaled as necessary. This service is not provided under warranty maintenance.

All alterations and modifications to the water heater's construction and electrical circuitry are undertaken entirely at the purchaser's risk and are **NOT** recommended. **Any such alterations or modifications may invalidate the appliance's warranty.**

If the power cord is damaged, it must be replaced immediately by an appropriately qualified person, in order to avoid any risks

### **DESCRIPTION OF THE APPLIANCE**

The appliance consists of a body, flange, plastic control panel & safety pressure relief valve.

The body consists of a steel reservoir (water tank) and plastic housing (outer shell) with thermal insulation placed inbetween, and two threaded pipes for the cold water supply IN (marked with a blue ring) and hot water discharge OUT (marked with a red ring). The inner reservoir is steel protected against corrosion by a special glass-ceramic coating.

The flange is fitted with a heating element and a magnesium anode. The flange is fixed to the water tank with bolts.

The element heats the water in the tank and is controlled by the thermostat, automatically maintaining the preset temperature. The plastic control panel incorporates an adjustable thermostat and an indicator light.

The thermal cut-out switches off the power supply should the water temperature reach excessive values. If this device is actuated, you should call our service helpline (See page 11 for details).

The signal light on the control panel indicates the unit is heating.

The magnesium anode provides additional anti-corrosion protection to the internal tank. The Pressure relief valve protects the appliance from higher than the allowed value (6.0 bar) during heating (note: pressure will increase when temperature increases), by releasing the excess pressure through the drain outlet.

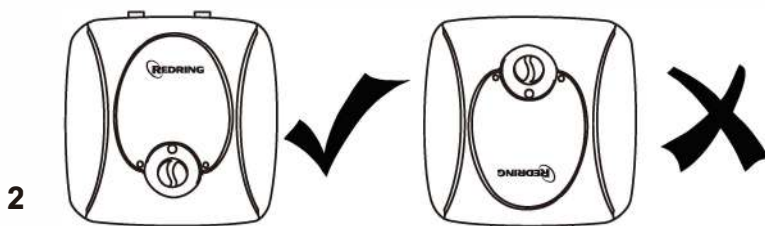
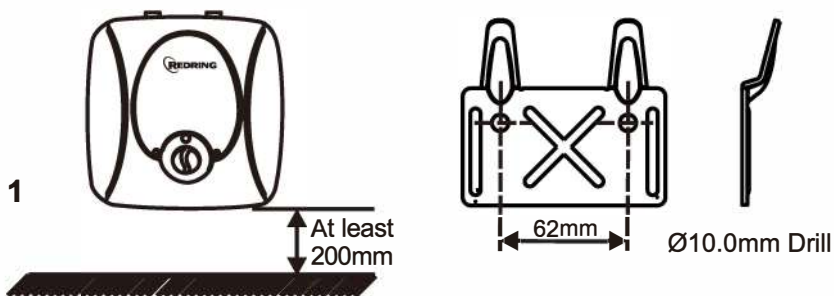
Excess water exiting into the drain during the heating process is a normal event that must be taken into consideration when the boiler is installed.

**ATTENTION! The safety valve cannot protect the appliance in the event of water mains pressure exceeding the rated pressure stated for the appliance (6bar).**

## INSTALLATION PROCEDURE

We recommend installation of the device close to the likely outlet (i.e. Tap) where hot water is used, in order to reduce heat losses. The selected installation location must be clean and dry at all times. The appliance is affixed to a wall by means of a mounting bracket which the unit hooks on.

- The unit should be installed as near as possible to the outlet points, in order to reduce heat loss along the pipes.
- This water heater should be mounted on a solid wall preferably where it is close to the power socket and water source.
- Ensure the heater is at least 200mm from the floor this will leave space for maintenance when necessary.
- Mark the wall, drill the holes (Ø10mm) and fit the bracket (62mm centres). (diagram1)



**IMPORTANT:** MS6 water heaters are designed for installation with the outlet / inlet pipes pointed upwards (to the ceiling). Under no circumstances should these units be fitted upside down, with the outlet / inlet pipes pointing towards the floor.(see diagram 2)