

# EasyStove Heat Dissipation Kit

For solid fuel stoves

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## Installation, Usage and Maintenance Instructions

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Thank you for purchasing an EasyStove Heat Dissipation Kit.



This manual is an integral part of the product and should be retained. Please read it carefully, as it provides important information regarding the installation and maintenance of the product.

## 01. GENERAL INFORMATION

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The RVR Heat Dissipation kit is the result of extensive testing of heat dissipation solutions for solid fuel stoves.

It is designed to provide heat dissipation from solid fuel stoves in situations where there is no heat load or where the electricity supply fails.

It is intended for installation on an open vented system. The kit consists of a specially sized heat exchanger and a temperature activated valve which admits cold water to cool the heat exchanger when the stove temperature exceeds 90°C.

When correctly installed, it will safely dissipate heat from the stove circuit, greatly reducing and in many cases completely eliminating “pitching” of heat and water to the expansion tank.



## WARNING

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Carefully read the instructions contained in the manual as they provide important information regarding safe installation and maintenance.

The product should only be installed and maintained by a person qualified in the design and installation of heating systems. The installation and maintenance must be performed in accordance with current standards and according to the manufacturer’s instructions.

In the case of failure or malfunction, do not attempt to repair the product yourself. Please contact RVR Energy Technology Ltd by email at [info@rvr.ie](mailto:info@rvr.ie).

Repairs must be only be carried out by a qualified technicians. Failure to comply with these requirements can compromise the safety of the device.

## SAFETY WARNINGS

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### **INCORRECT SYSTEM DESIGN HAZARD!**

System design and installation should only be undertaken by skilled and experienced professionals and in accordance with all relevant regulations. These include but are not limited to the Building Regulations, IEE regulations and the instructions provided by manufacturers of stoves and boilers. Incorrect design and installation may lead to unsafe operation resulting in injury, death or property damage.



### **BURNS HAZARD!**

The equipment may become very hot in normal operation. Do not touch the equipment or the waste water while in use.



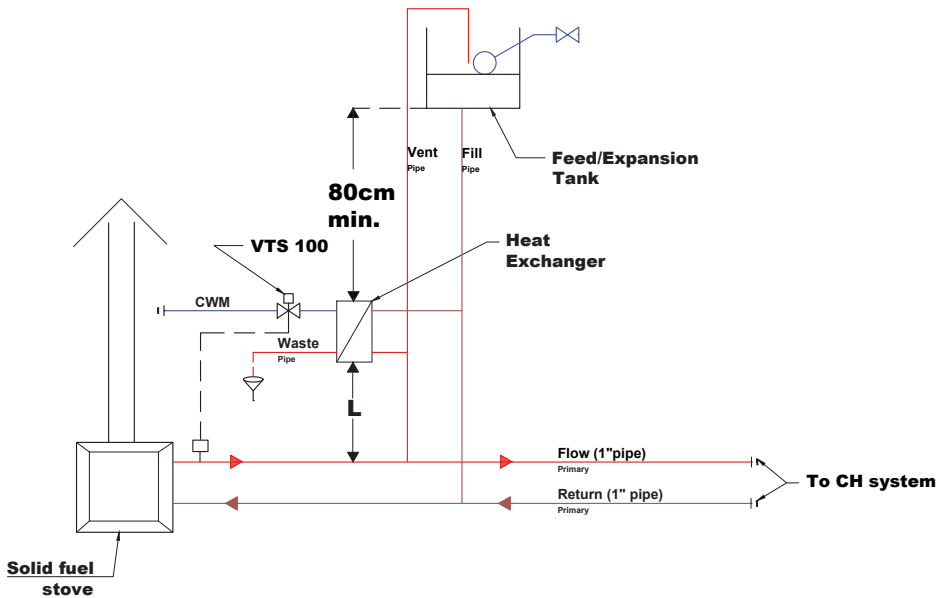
### **USAGE WARNING**

This appliance must be used only for the purpose for which it is intended. Any other use is not permitted and may be dangerous.

## 02. INSTALLATION

The kit should be installed as shown in the schematic below.

### SCHEMATIC



### IMPORTANT POINTS

The heat dissipation kit should be installed on the feed and expansion pipes. Dimension L should not be less than 500mm and the heat exchanger should be at least 800mm below the expansion tank.

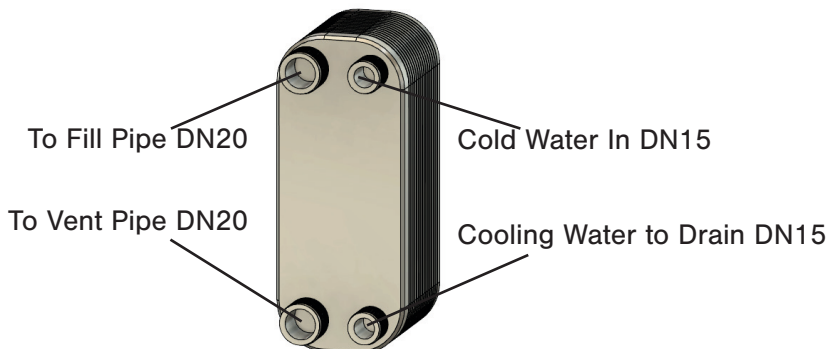
Install the heat exchanger as close as possible to the vertical feed and vent pipes.

Connect the water supply to the cold water main. If it is necessary to use another source, ensure that a sufficient volume of water is available to ensure cooling of the stove circuit in the event of power failure.

Install a Tundish on the waste water drain to ensure that any leak or valve malfunction can be detected.

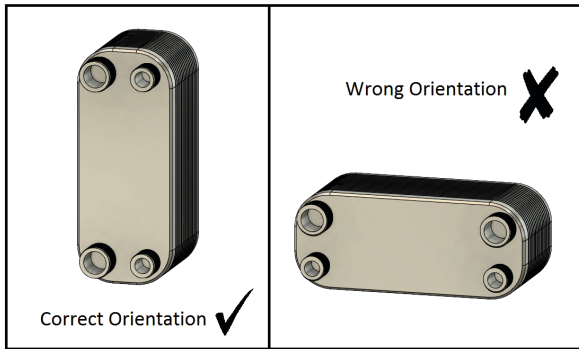
### CONNECTIONS

The heat exchanger has four connections as shown below.



## ORIENTATION

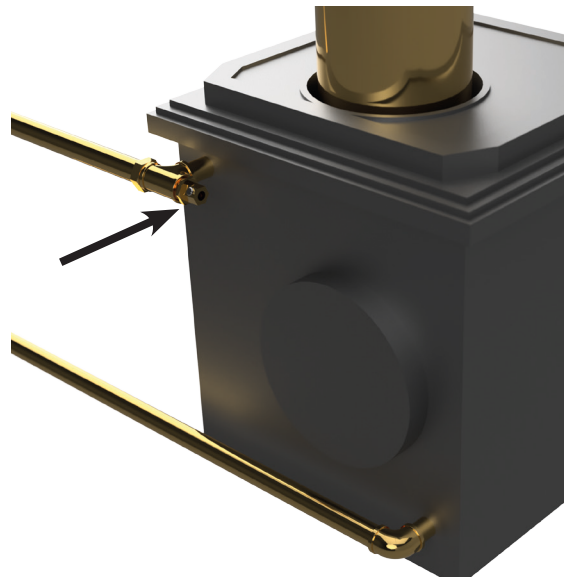
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Install the heat exchanger so that the water from the stove can move upwards through it as shown. Do not install it horizontally.

## SENSOR LOCATION

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Install the sensor of the VST100 thermal safety valve as close to the stove as possible. A tee may be installed as shown in the image. The sensor is fitted in a 150mm immersion pocket which has a G 1/2 thread.

## 03. MAINTENANCE

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Any water filters installed in the line to the safety valve should be cleaned regularly.

The operation of the VST100 safety valve should be checked annually.



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