



# Tristor™ MF

## Installation Guide

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### The Benchmark Scheme

Telford Copper and Stainless Cylinders is a licensed member of the Benchmark Scheme which aims to improve the standard of installation and commissioning of domestic heating and hot water systems in the UK and to encourage regular servicing to optimise safety, efficiency and performance.

Benchmark places responsibilities on both manufacturers and installers. The purpose is to ensure that customers are provided with the correct equipment for their needs, that it is installed, commissioned and serviced in accordance with the manufacturers instructions by competent persons and that it meets the requirements of the appropriate Building Regulations. The Benchmark Checklist can be used to demonstrate compliance with Building Regulations and should be provided to the customer for future reference.

Installers are required to carry out the installation, commissioning and servicing work in accordance with the Benchmark Code of Practice which is available from the Heating and Hotwater Industry Council who manage and promote the Scheme. Visit [www.centralheating.co.uk](http://www.centralheating.co.uk) for more information.

**The HWA Charter Statement requires that all members adhere to the following:**

- To supply fit for purpose products clearly and honestly described
- To supply products that meet, or exceed appropriate standards and building and water regulations
- To provide pre and post sales technical support
- To provide clear and concise warranty details to customers

Visit: [www.hotwater.org.uk](http://www.hotwater.org.uk)

For term and condition please refer to our website: [www.telford-group.com](http://www.telford-group.com)



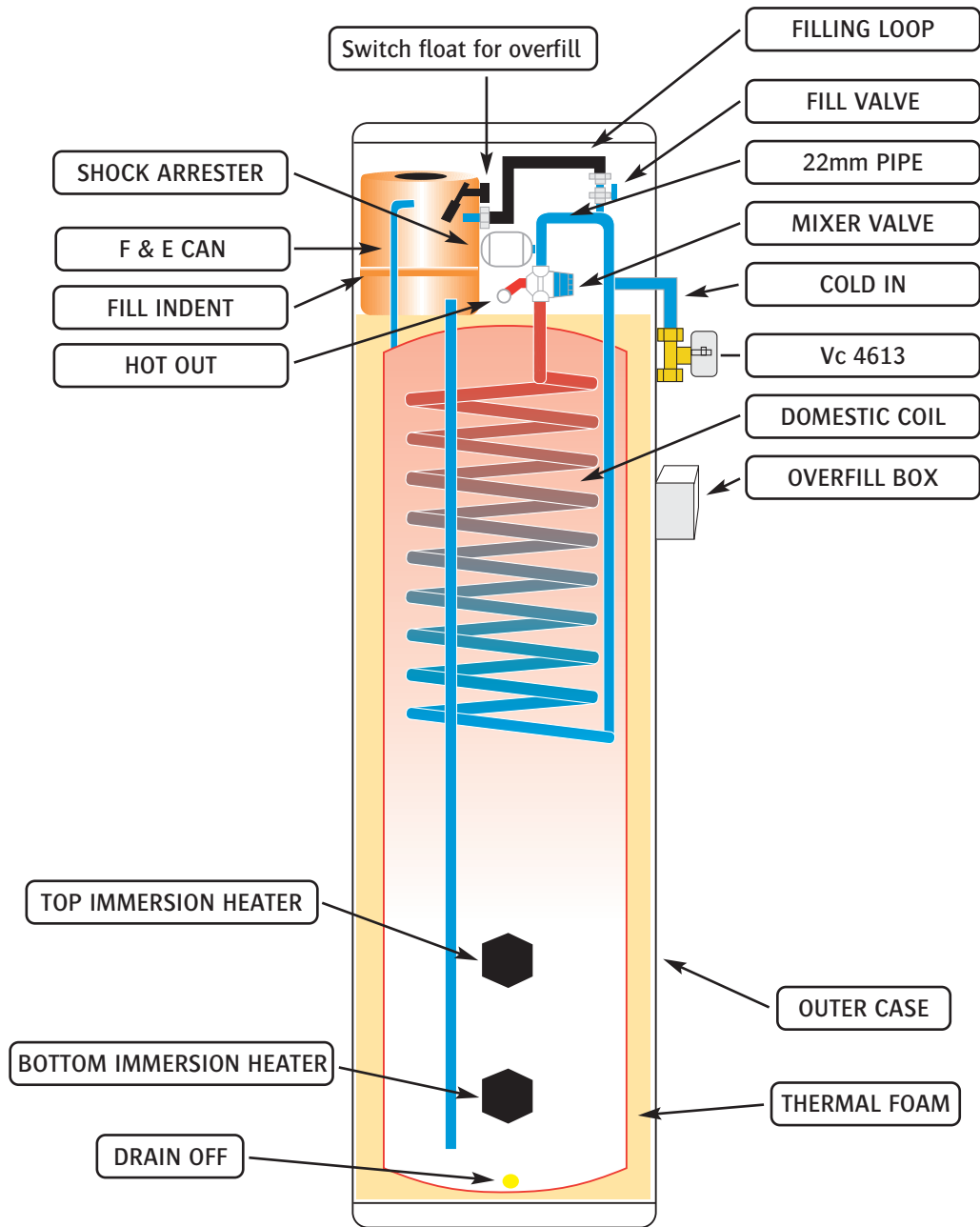
	Date	Parts Replaced	Installer Registration Number
Installed and Commissioned			
First Annual Service			
Second Annual Service			
Third Annual Service			
Fourth Annual Service			
Fifth Annual Service			
Sixth Annual Service			
Seventh Annual Service			
Eighth Annual Service			
Ninth Annual Service			
Tenth Annual Service			

**THE INSTALLER MUST SIGN THE BENCHMARK CHECKLISTS AND FILL IN THE APPROPRIATE INSTALLATION INFORMATION. COMPLETING THE COMMISSIONING AND USER INSTRUCTIONS IS A REQUIREMENT OF ADL1 OF THE BUILDING REGULATIONS. FAILURE TO DO SO MAY INVALIDATE THE WARRANTY ON THIS PRODUCT.**

**All Electrical Instalation Must be to IEE Standards**



## DIAGRAM OF TRISTOR MF



## SERVICE RECORD

It is recommended that your hot water system is serviced regularly and that the appropriate Service Record is completed.

### SERVICE PROVIDER

Before completing the appropriate Service Record below, please ensure you have carried out the service as described in the manufacturer's instructions.

**SERVICE 1** Date \_\_\_\_\_  
 Engineer Name \_\_\_\_\_  
 Company Name \_\_\_\_\_  
 Telephone Number \_\_\_\_\_  
 Comments \_\_\_\_\_  
 Signature \_\_\_\_\_

**SERVICE 2** Date \_\_\_\_\_  
 Engineer Name \_\_\_\_\_  
 Company Name \_\_\_\_\_  
 Telephone Number \_\_\_\_\_  
 Comments \_\_\_\_\_  
 Signature \_\_\_\_\_

**SERVICE 3** Date \_\_\_\_\_  
 Engineer Name \_\_\_\_\_  
 Company Name \_\_\_\_\_  
 Telephone Number \_\_\_\_\_  
 Comments \_\_\_\_\_  
 Signature \_\_\_\_\_

**SERVICE 4** Date \_\_\_\_\_  
 Engineer Name \_\_\_\_\_  
 Company Name \_\_\_\_\_  
 Telephone Number \_\_\_\_\_  
 Comments \_\_\_\_\_  
 Signature \_\_\_\_\_

**SERVICE 5** Date \_\_\_\_\_  
 Engineer Name \_\_\_\_\_  
 Company Name \_\_\_\_\_  
 Telephone Number \_\_\_\_\_  
 Comments \_\_\_\_\_  
 Signature \_\_\_\_\_

**SERVICE 6** Date \_\_\_\_\_  
 Engineer Name \_\_\_\_\_  
 Company Name \_\_\_\_\_  
 Telephone Number \_\_\_\_\_  
 Comments \_\_\_\_\_  
 Signature \_\_\_\_\_

**SERVICE 7** Date \_\_\_\_\_  
 Engineer Name \_\_\_\_\_  
 Company Name \_\_\_\_\_  
 Telephone Number \_\_\_\_\_  
 Comments \_\_\_\_\_  
 Signature \_\_\_\_\_

**SERVICE 8** Date \_\_\_\_\_  
 Engineer Name \_\_\_\_\_  
 Company Name \_\_\_\_\_  
 Telephone Number \_\_\_\_\_  
 Comments \_\_\_\_\_  
 Signature \_\_\_\_\_

**SERVICE 9** Date \_\_\_\_\_  
 Engineer Name \_\_\_\_\_  
 Company Name \_\_\_\_\_  
 Telephone Number \_\_\_\_\_  
 Comments \_\_\_\_\_  
 Signature \_\_\_\_\_

**SERVICE 10** Date \_\_\_\_\_  
 Engineer Name \_\_\_\_\_  
 Company Name \_\_\_\_\_  
 Telephone Number \_\_\_\_\_  
 Comments \_\_\_\_\_  
 Signature \_\_\_\_\_

### UNVENTED SYSTEMS ONLY

Where is the pressure reducing valve situated (if fitted)? \_\_\_\_\_

What is the pressure reducing valve setting? \_\_\_\_\_ bar

Has a combined temperature and pressure relief valve and expansion valve been fitted and discharge tested? Yes  No

The tundish and discharge pipework have been connected and terminated to Part G of the Building Regulations Yes

Are all energy sources fitted with a cut out device? Yes  No

Has the expansion vessel or internal air space been checked? Yes  No

### THERMAL STORES ONLY

What store temperature is achievable? \_\_\_\_\_ °C

What is the maximum hot water temperature? \_\_\_\_\_ °C

### ALL INSTALLATIONS

The hot water system complies with the appropriate Building Regulations Yes

The system has been installed and commissioned in accordance with the manufacturer's instructions Yes

The system controls have been demonstrated to and understood by the customer Yes

The manufacturer's literature, including Benchmark Checklist and Service Record, has been explained and left with the customer Yes

Commissioning Engineer's Signature \_\_\_\_\_

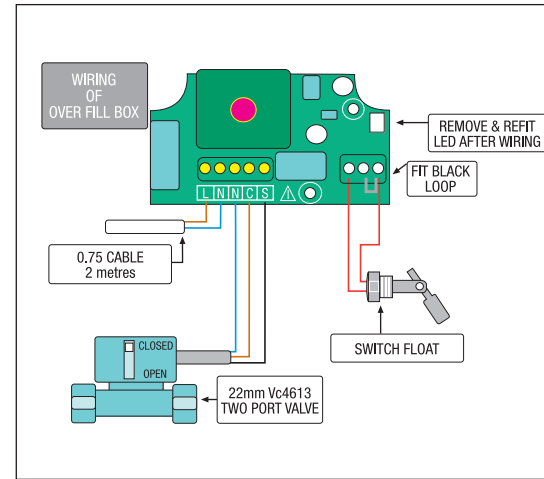
Customer's Signature \_\_\_\_\_

*(To confirm satisfactory demonstration and receipt of manufacturer's literature)*

\*All installations in England and Wales must be notified to Local Authority Building Control (LABC) either directly or through a Competent Persons Scheme.

A Building Regulations Compliance Certificate will then be issued to the customer.

Please ensure that the installer has fully completed the Benchmark Checklist on the inside back pages of the installation instructions supplied with the product and that you have signed it to say that you have received a full and clear explanation of its operation. The installer is legally required to complete a commissioning checklist as a means of complying with the appropriate Building Regulations (England and Wales).

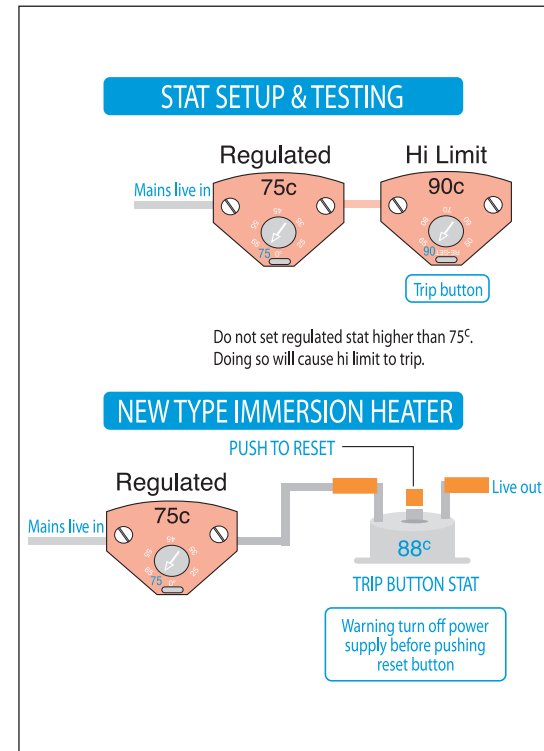


### ELECTRICAL INSTALLATION

The unit is provided with two 3Kw Immersion Heaters these must be connected to single phase 230V supplies via a suitable switched fused isolator. The control of these units will depend on the type of Tariff/Supply Agreements in place (no timer controls are supplied with the spacesaver unit).

**NOTE:** Telford Copper Cylinders does not recommend the use of timers with Thermal Store Units. We strongly advise leaving the units to run from a constant supply managed by internal thermostats, this will ensure the unit is always at temperature and ready to deliver hot water.

### ALL ELECTRICAL WORK TO BE CARRIED OUT BY AN ELECTRICIAN



### ELEMENT TEST

- Turn off power supply at consumer unit and remove fuse from fuse spur.
- Set multimeter to 200 ohms put prob on neutral and the other prob on live on immersion heater.
- The reading should be 17.5 to 19.5 tested ok if 15 to 14 ohms the element has too much resistance immersion heater will need changing.

