

# Pedestal Range

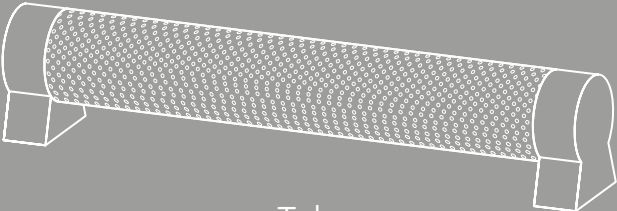
Installation, commissioning  
and user manual



Kiosk



Trafalgar



Tube

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## Introduction

This product has been assembled and prepared for easy installation.

In the event of any visible damage, please contact us on +44 (0) 1245 324560.

Please leave this Installation and User Guide with the owner of the property.

## Declaration of conformity

EC Declaration of conformity  
We, Smith's Environmental Products Limited  
1-2 Blackall Industrial Estate  
South Woodham Ferrers  
Chelmsford  
Essex CM3 5UW  
Tel: 01245 324900 Fax: 01245 324422

Declare under sole responsibility that the products:

Product name:  
**Natural Convectors**

Product range:  
**Pedestal: Kiosk, Trafalgar and Tube**

Conform to the following European Union directives and harmonised standards:  
**EN 442-2-2014**  
**EN 442-1-2014 Clause 5.3**  
**Construction Products Regulation No. 3052011**

This Declaration is made on behalf of Smith's Environmental Products Limited.

## Symbols

This manual contains information and prescriptions marked by the following symbols.



Ignoring these safety provisions marked by the symbol "caution: hazard" may endanger the safety of people.



The removal of the screws can cause the output of hot fluids under high pressure from heating system. Drain the system or close the isolating valves.



High temperature surface. Take utmost care to prevent people from getting in contact with the hot surfaces of the appliance.

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# Important safety and installation instructions

Prior to installation, read these installation and operating instructions. The installation and operation should also be in accordance with national regulations and accepted codes of good practice.



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. Children should be supervised to ensure that they do not play with the appliance.

To guard against injury, basic safety precautions should be observed, including the following:

1. Read and follow all safety instructions and all the important notices on the appliance before installing, using and maintaining the appliance. Failure to do so may cause personal injury or damage to the appliance or installation.
2. Risk of scalding. To avoid injury before any servicing operation wait until the water has cooled inside the appliance. Do not touch the fluid or the appliance when temperature is higher than 60°C.
3. Improper use. This is an appliance to be used in heating systems with clean water without abrasive particles.
4. Installation. The appliance must be mounted in a stable/fixed position in a dry, frost-free and waterproof place, with sufficient ventilation around it. Make sure that the appliance is securely and correctly installed before operating it and that there is enough room around it for maintenance operations, dismantling, checking for free inspection.

Non-observance of the safety instructions results in the loss of any claims to damages.

The indicated limit values are binding and cannot be exceeded for any reason whatsoever.

KEEP THESE INSTRUCTIONS FOR FUTURE REFERENCE.



# Application

Kiosk, Trafalgar and Tube are primarily intended for installation at floor level against a wall or window.

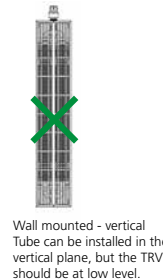
Tube may be installed in any orientation on the floor or against the wall. Natural convectors can help reduce condensation on floor to ceiling glass when position in front of them, providing a consistent blanket of warm exiting air from the emitter.

These products are designed for use on standard two-pipe pumped central heating systems.

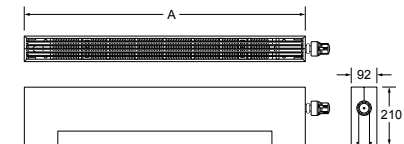
Pipe connections are 15mm and may be used as either flow or return. TRV should be at Flow end. This product is not suitable for one-pipe systems.

The heater must be installed in line with best plumbing practices and with reference to industry standards, such as the CIBSE Domestic Heating Design Guide. Isolating valves (as supplied) must be fitted to system flow and return connections. Failure to fit isolating valves may mean that the product is not serviceable in the event of failure.

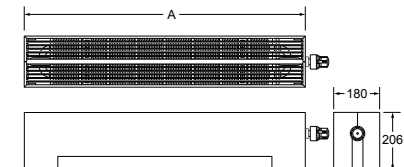
## Product mounting options



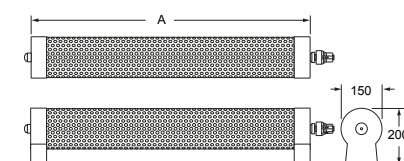
# Product performance



Model	A
Kiosk .5m	500
Kiosk 1m	1000
Kiosk 1.5m	1500
Kiosk 2m	2000



Model	A
Trafalgar .5m	500
Trafalgar 1m	1000
Trafalgar 1.5m	1500
Trafalgar 2m	2000



Model	A
Tube .5m	500
Tube 1m	1000
Tube 1.5m	1500
Tube 2m	2000

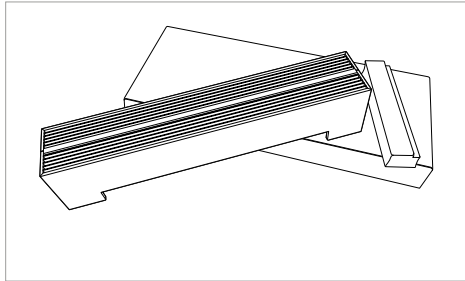
## Heat output

Product length	ΔT °C					
	20 ΔT	30 ΔT	40 ΔT	50 ΔT	60 ΔT	70 ΔT
<b>Kiosk</b>						
0.5m	22	39	60	83	109	136
1.0m	73	133	202	281	367	459
1.5m	125	226	345	479	626	783
2.0m	176	320	487	677	884	1106
<b>Trafalgar</b>						
0.5m	39	72	110	154	201	253
1.0m	133	243	373	519	681	856
1.5m	226	414	635	885	1160	1459
2.0m	320	585	898	1250	1640	2062
<b>Tube</b>						
0.5m	36	64	96	132	170	212
1.0m	88	157	237	325	421	524
1.5m	141	251	378	519	671	836
2.0m	193	344	519	712	922	1148

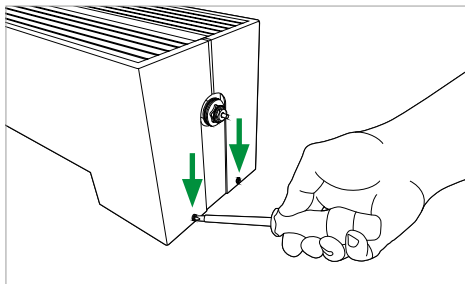
Entering ambient air temperature of 20°C  
Outputs in Watts. In accordance with EN442 - BSRIA verified

## Installation - Kiosk & Trafalgar

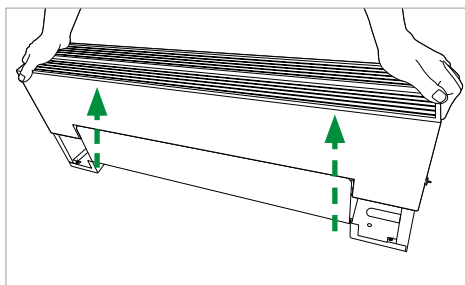
**1.** Remove product from packaging



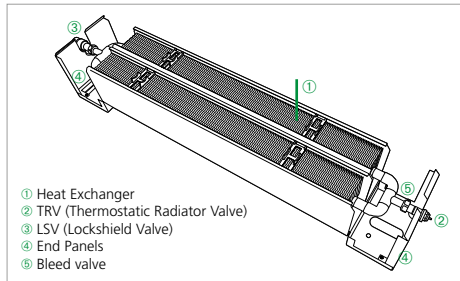
**2.** Remove x 2 screws from each end of the casing



**3.** Slide the casing up from the chassis



**4.** Position heater in required location

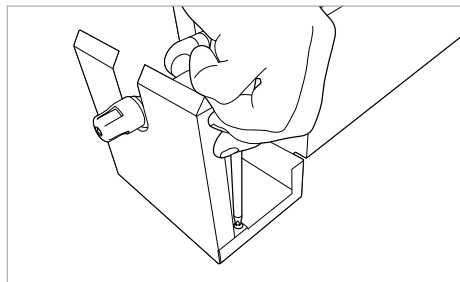


Please note:

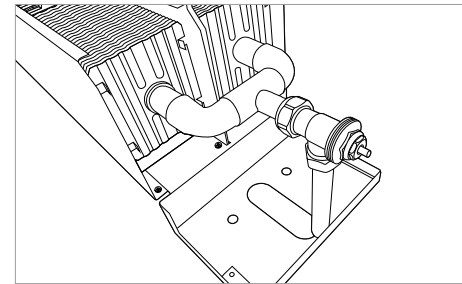
When installing a thermostatic radiator valve the following aspects must be considered to ensure that the valve performs to its optimum level.

1. The valve should be in a position where it is in contact with free air circulation within the area and is not subject to draughts as this will effect the valve's performance
2. The valve must not be installed in a position where the head is likely to be damaged or where the valve is subject to excessive heat, either at time of installation or in operating conditions
3. Ensure that the system is clean and free from debris and the installation is in accordance with good plumbing practices

**5.** Unscrew both end panels to access Flow and Return pipe unions

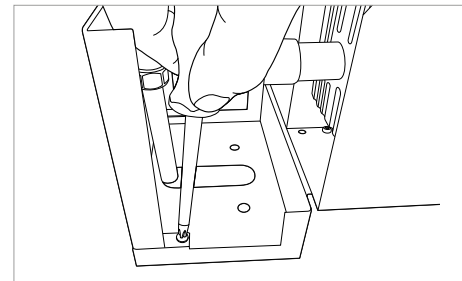


**6.** Prepare flow/return connection and connect to heating system using suitable fittings

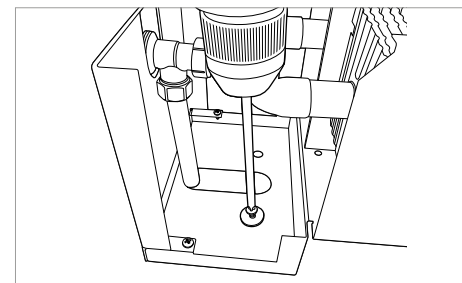


- Pipe connection is 15mm
- Flow connection should be TRV End
- Isolating valves must be fitted to flow and return pipework for servicing

**7.** Refit end panels



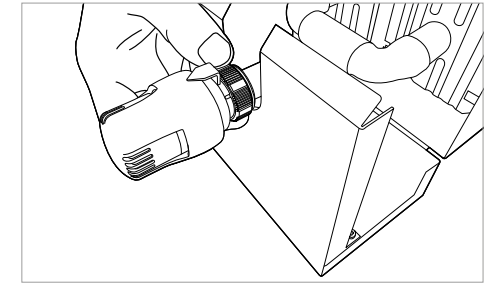
**8.** Secure product to the floor



## Commissioning

All factory fitted connections/compression joints should be inspected prior to filling the system, in case of loosening during transit

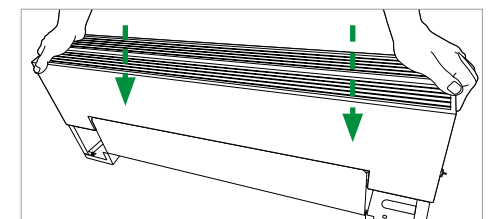
**9.** Commissioning



- Align the TRV head over the valve body with the indicator point at setting V. Ensure that the TRV head is square to the body, screw the TRV head onto the body in a clockwise direction until tight, being careful not to over – tighten the head on the body
- Turn on the heating system
- Fully open Thermostatic Radiator Valve (in the system flow) to Setting V while leaving the Lock Shield Valve (in the system return) totally closed
- Allow the system to fill the heat emitter
- Open the air vent situated on the heat exchanger
- Once the heat emitter is free of air, close the air vent
- Open Lock Shield Valve and allow the heating system to run for minimum of 1 hour
- After minimum 1-hour period, the heating system may require further bleeding. Follow best practices when purging the heating system of air

Note: It may be necessary to balance the heating system to achieve best flow and/or water temperature.

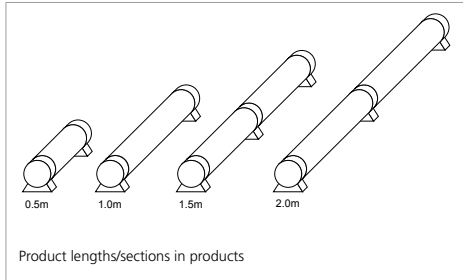
**10.** Re-fit casing



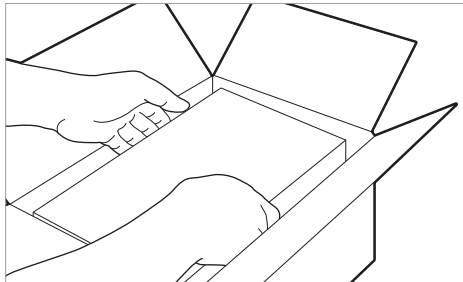
# Installation - Tube

## Standalone:

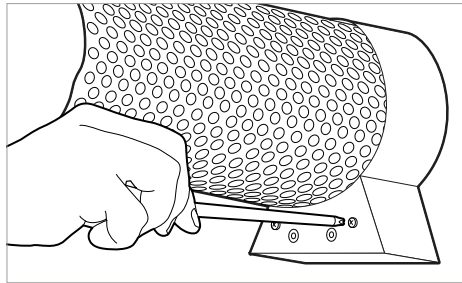
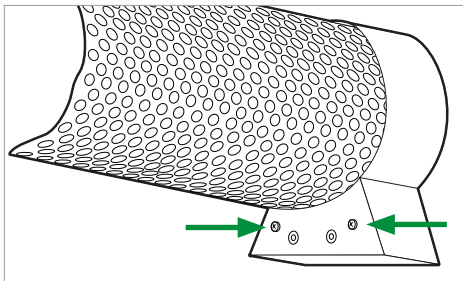
Tube is designed to be installed as standalone heat emitters. Each unit stands on its own with pipework being made through the feet in each end of the product. The heat-exchanger within the products casing is factory fitted with TRV & LSV.



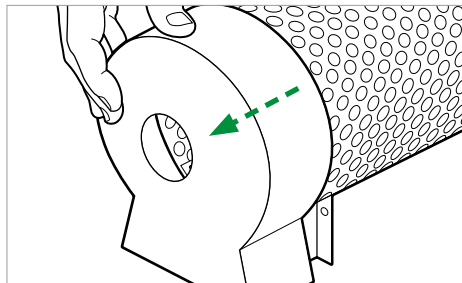
**1.** Remove product from packaging



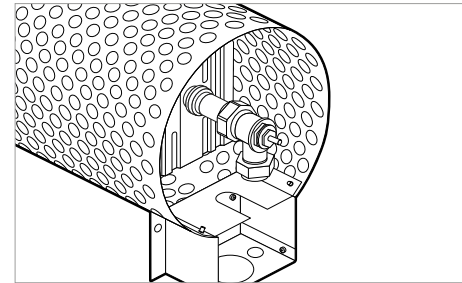
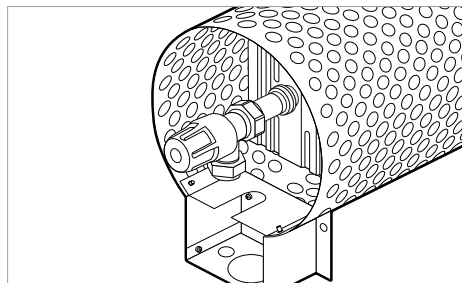
**2.** Remove x 2 screws from inside legs of the product to release the end trim



**3.** Slide the end trim away from product casing

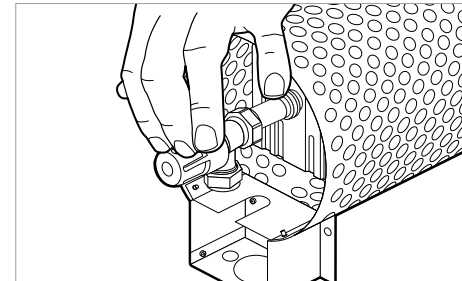


**4.** TRV and Lockshield valves are pre-fitted to the heat exchanger

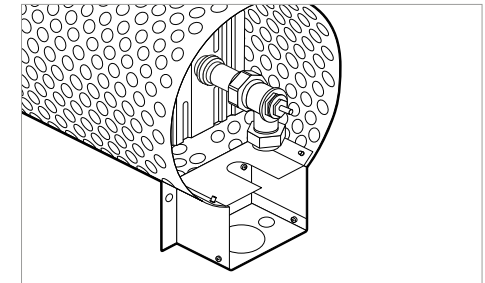
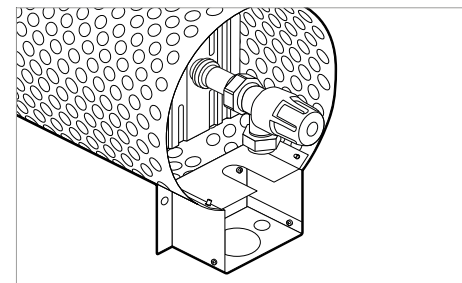


Check connection is good and undamaged from transit.

**5.** Position heater where required

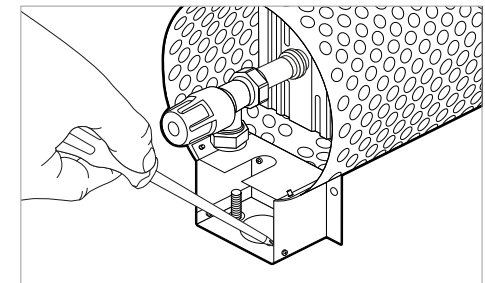


**6.** Prep flow and return connections and ready system pipework for connection

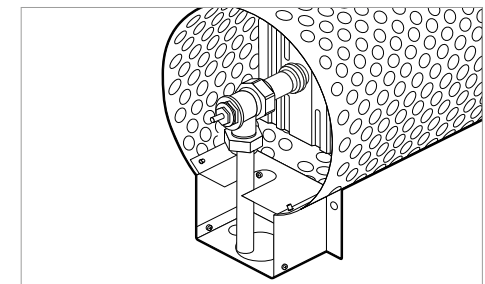


Pipe entry is through flooring surface.

**7.** Fix both ends to the floor using suitable fixings

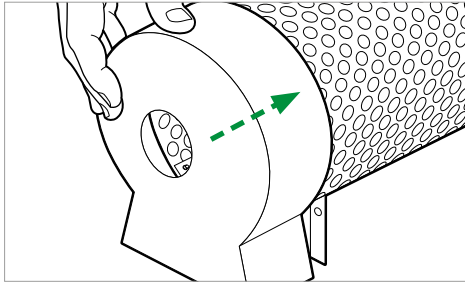


**8.** Connect system pipework to the TRV and Lockshield valves of each end of the product

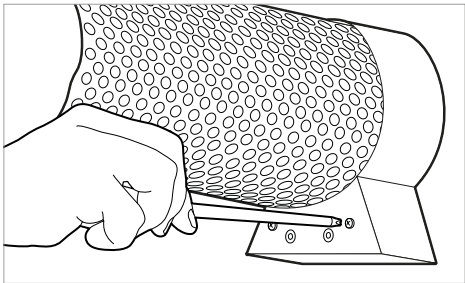
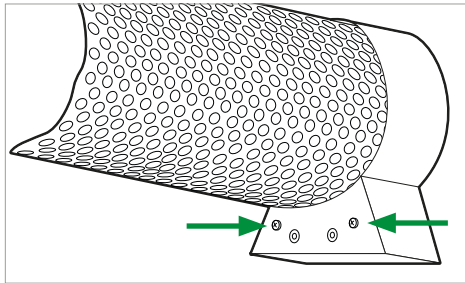


## Installation - Tube

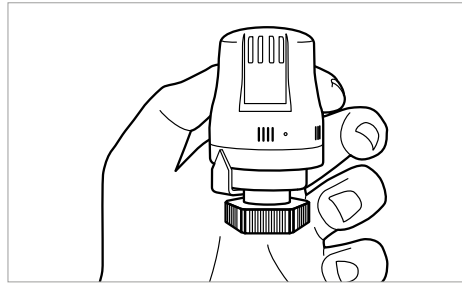
### 9. Refit end trims



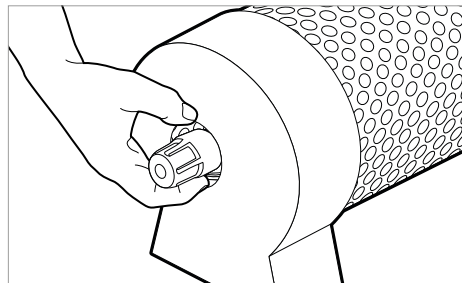
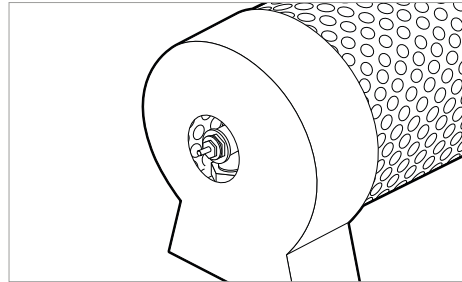
### 10. Refit retaining screws to fix the end panels



### 11. Ensure that the TRV is set on the V position



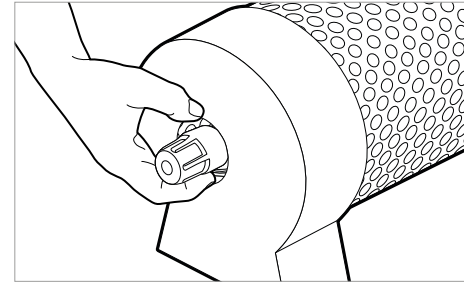
### 12. Screw the TRV onto the product



## Commissioning

All factory fitted connections/compression joints should be inspected prior to filling the system, in case of loosening during transit

### 13. Commissioning



- Align the TRV head over the valve body with the indicator point at setting V. Ensure that the TRV head is square to the body, screw the TRV head onto the body in a clockwise direction until tight, being careful not to over-tighten the head on the body
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- Allow the system to fill the heat emitter
- Open Lock Shield Valve and allow the heating system to run for minimum of 1 hour
- After minimum 1-hour period, the heating system may require further bleeding. Follow best practices when purging the heating system of air

Note: It may be necessary to balance the heating system to achieve best flow and/or water temperature.

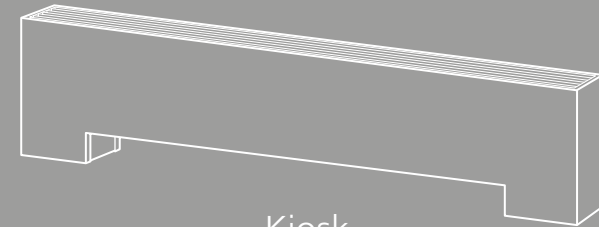
## Fault finding

In the event of any difficulty, please contact us on +44 (0) 1245 324560.  
It will be more helpful if you do not remove the product from the central heating system.

Fault	Possible cause	Checking/Solution
Lack of heat/poor heating performance	Poor flow rate in heating system	Check pump is operating correctly Bleed air from system Balance heating system
	Debris in heat exchanger	Check and clean any foreign material from heat exchanger, See Instructions for safe cleaning Remove any external restrictions from both inlet and outlet grilles
	Heat emitter valves incorrectly set	Check Thermostatic Radiator Valve (TRV) is open Check that Lock Shield Valve is open
	Air present within heating system	Ensure that heating system is completely free of air, purge air from heating system using best practices
	TRV Valve	Thermostatic Radiator Valve (TRV) head faulty, Replace
	Heat Source	Ensure boiler is on and calling for heat Check pump is operating correctly Ensure both flow and return pipe to heat emitter are of adequate temperature Ensure that heating system is completely free of air

## Pedestal Range

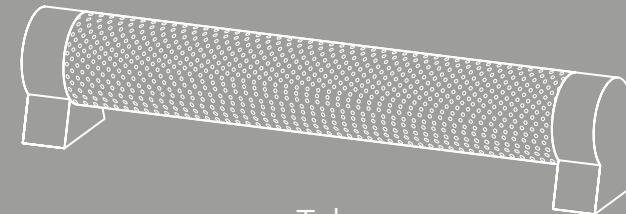
User manual



Kiosk



Trafalgar



Tube

## Important safety and installation instructions

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To guard against injury, basic safety precautions should be observed, including the following:

1. Read and follow all safety instructions and all the important notices on the appliance before installing, using and maintaining the appliance. Failure to do so may cause personal injury or damage to the appliance or installation.
2. Risk of scalding. To avoid injury before any servicing operation wait until the water has cooled inside the appliance. Do not touch the fluid or the appliance when temperature is higher than 60°C.
3. Improper use.  
This is an appliance to be used in heating systems with clean water without abrasive particles.
4. Installation.  
The appliance must be mounted in a stable/fixed position in a dry, frost-free and waterproof place, with sufficient ventilation around it. Make sure that the appliance is securely and correctly installed before operating it and that there is enough room around it for maintenance operations, dismantling, checking for free inspection.

Non-observance of the safety instructions results in the loss of any claims to damages.

The indicated limit values are binding and cannot be exceeded for any reason whatsoever.

KEEP THESE INSTRUCTIONS FOR FUTURE REFERENCE.



## How it works

These products are natural convector heaters and work by air convection currents passing through the high efficiency aluminium finned copper tube heat exchanger through which hot water passes supplied by your central heating system.

As the air heats up it increases in volume and rises which in turn draws low level room air in through the heater which is in turn heated.

## How to operate

This product is fitted with a Thermostatic Radiator Valve (TRV) to enable the user to set and control the ambient room temperature. Turning the control knob clockwise will increase the temperature setting. The indications (0, \*, I, II, III, IIII, V) on the control knob range between 5 and 28°C. In position 0 the valve will open when temperature drops to 5°C.

Once the TRV is set, it will automatically adjust the system flow (on/off) to maintain room temperature. Follow TRV instructions to maximise life expectancy.

### Tamper setting

The head can be set to a single, non-adjustable position. Lower the locking mechanism as described previously and rotate the head until the indicator is pointing to the desired setting. Rotate the locking mechanism reset mark anti-clockwise to the desired setting and push the locking mechanism up against the head until it locks into position.

To remove the setting limit, simply lower the mechanism again and rotate until the reset marks are aligned and move upwards back into position. The valve can now be adjusted through its full setting range.

### Maintenance

The valve should be opened to maximum in the summer to reduce the risk of sticking. Other suggestions would be to ensure the system is fully power flushed prior to installing the TRV. Proprietary inhibitors should be added to the system when refilling.

### Cleaning the valve head

The thermostatic head can be cleaned using a mild soap solution. DO NOT USE ABRASIVE PAD, BLEACHING AGENTS OR SOLVENTS etc as they will cause damage to the valve head.



## Fault finding

This product is covered by a free 5-year parts and labour guarantee (TRV 2 years). Please refer to the Fault finding table below for advice. In the event of difficulty, please contact us on +44 (0) 1245 324560.

It will be helpful if you do not disconnect the product from your central heating system.

Fault	Possible cause	Checking/Solution
Lack of heat/poor heating performance	Poor flow rate in heating system	Check pump is operating correctly Bleed air from system Balance heating system
	Debris in heat exchanger	Check and clean any foreign material from heat exchanger, See Instructions for safe cleaning Remove any external restrictions from both inlet and outlet grilles
	Heat emitter valves incorrectly set	Check Thermostatic Radiator Valve (TRV) is open Check that Lock Shield Valve is open
	Air present within heating system	Ensure that heating system is completely free of air, purge air from heating system using best practices
	TRV Valve	Thermostatic Radiator Valve (TRV) head faulty, Replace
	Heat Source	Ensure boiler is on and calling for heat Check pump is operating correctly Ensure both flow and return pipe to heat emitter are of adequate temperature Ensure that heating system is completely free of air

## Registering your product

Thank you for purchasing a Smith's product. It has been designed and manufactured to the highest quality standards to ensure it gives you efficient and trouble-free service for many years. To back up our commitment, included with your product is the following warranty:

### Heat Emitter 5 years (TRV 2 years) from date of purchase

This gives you the peace of mind that in the unlikely event of product failure, we will repair or replace the product completely free of charge providing the product has been installed, used and maintained in accordance with the instructions. Your statutory rights are not affected by this warranty.

It is important to register as soon as possible online at: [smithsep.co.uk/product-registration/](http://smithsep.co.uk/product-registration/). This will ensure you will receive prompt and efficient service if your product requires attention within the warranty period. If you do not register your product, you will be required to produce proof of purchase prior to receiving service.

For more details please visit our website: [SmithsEP.co.uk](http://SmithsEP.co.uk)

## Disposal

As part of the policy of continuous product improvement, Smith's Environmental Products LTD reserves the right to alter specification without prior notice.

Products with this symbol (crossed out wheellie bin) cannot be disposed as household waste. Old electrical and electronic equipment must be recycled at a facility capable of handling these products and their waste by-products. If you are purchasing replacement equipment your retailer may offer a 'take back' scheme, or will be able to give details of the nearest approved authorised treatment facility. Proper recycling and waste disposal will help conserve resources whilst preventing detrimental effects on our health and the environment.

WEEE Registered Code: WEE/ED0093VW



## After sales and spares

If you experience any problems with the use of your product, please contact our after-sales office +44 (0) 1245 324560.

For product information, customer services or sales support call us on +44 (0) 1245 324900

For the Republic of Ireland, contact MT Agencies on 01 864 3363

Sales: [sales@SmithsEP.co.uk](mailto:sales@SmithsEP.co.uk)  
General information: [info@SmithsEP.co.uk](mailto:info@SmithsEP.co.uk)

Smith's Environmental Products Ltd  
Blackall Industrial Estate, South Woodham Ferrers,  
Chelmsford, Essex CM3 5UW

[SmithsEP.co.uk](http://SmithsEP.co.uk)

@SmithsEP\_UK

#ThinkSmiths





## Happy to help

Smith's Environmental Products Ltd is one of the leading manufacturers of heating and cooling products in the UK. We are committed to achieving the highest standards and our faith is supported by a free five year parts and labour guarantee with every product\*. Our customer service is second to none and we are happy to offer any help and guidance that you might need.

## Stockists

All products are available nationally from Builders' Merchants, Plumbers' Merchants, Heating Equipment Distributors and Kitchen Equipment Distributors. In the event of difficulty, please contact us or visit our website [SmithsEP.co.uk](http://SmithsEP.co.uk) for details of your nearest stockist.

## Information and advice

Full technical specifications and list prices is available to download from our website or in hard copy from our office. Also available on our website are price lists, individual product data sheets, installation & user guides, where to buy, who to contact and a media centre.

Alternatively contact our office 9.00am to 5.00pm Monday to Friday.

\*Thermostatic Radiator Valve - 2 year warranty

As part our commitment to continuous improvement Smith's Environmental Products may change the specifications of its products without prior notification or public announcement. All descriptions, illustrations, drawings and specifications in this publication present only general particulars and shall not form part of any contract. All dimensions are in mm unless otherwise stated.

**To view the full product information download the datasheet at:**  
**[www.SmithsEP.co.uk](http://www.SmithsEP.co.uk)**

For product information, customer services or sales support call us on **+44 (0) 1245 324900**

For the Republic of Ireland, contact MT Agencies on 01 864 3363

**Sales: [sales@SmithsEP.co.uk](mailto:sales@SmithsEP.co.uk)**

**General information: [info@SmithsEP.co.uk](mailto:info@SmithsEP.co.uk)**

Smith's Environmental Products Ltd  
Blackall Industrial Estate, South Woodham Ferrers,  
Chelmsford, Essex CM3 5UW

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