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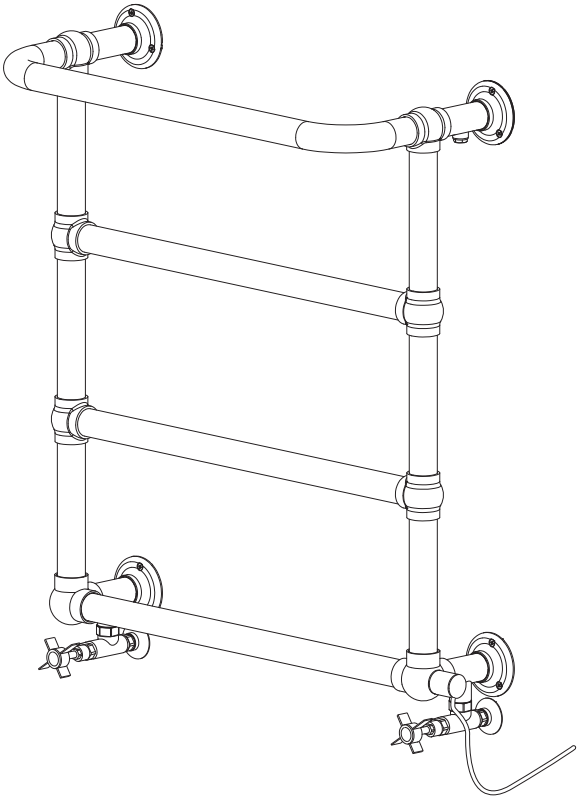
Traditional Towel Rail With Connection For Heating Element



Fitting Instructions

Please follow them carefully and
leave this manual with end user

Important Information

Before installation, please read this guide carefully.

1. **We recommend that this product is installed by a qualified tradesperson**, Victorian Plumbing Ltd. accept no liability for products incorrectly installed or any damage to the floor, walls, plumbing, heating element, radiator, or personal injury during installation.
2. Observe all local building codes & regulations.
3. **Ensure the incoming mains power supply is switched off prior to commencing the installation.**
4. **For Dual Fuel Radiators ensure the mains water supply is turned off prior to commencing the installation.**
5. Unpack the product then read these instructions before proceeding. Inspect the product for damage. If any damage is found, contact our Customer Relations team.

! IMPORTANT SAFETY INFORMATION !

1. Never use an element that shows any signs of damage.
2. Always connect the element via a 240V fused spur switch.
3. Operating temperature maximum 100°C. Please install a warning sign near the product to avoid burning and scalding accidents.
4. Ensure when fitted that the correct process is used when filling & commissioning the radiator.
5. Select the desired location for the radiator ensuring the chosen wall is both strong enough and suitable to carry the weight of the radiator when full of water/heating agent.
6. **The provided fixings are for masonry walls only,** if installing on any other surface please check that it will safely support the product and purchase suitable fixings
7. Manufactured to BS EN 442-1 Radiators and convectors.
8. The pipework must be flushed out to remove any debris which can affect the function of this product.
9. When using a radiator in a duel fuel format, it is recommended that a reputable glycol based inhibitor is added within the heating system. **Ensure the Dual Valve is in the off position while the heating element is in use.**
10. The following liquids should only be used as a heating agent: Water, water with freezing agent, glycol or the right type of oil. Installation and correct use are conditioned by meeting the manufacturer's requirements on the towel rail and heating element.
11. Filling the towel rail with too much liquid leads to exceeding of acceptable pressure and damaging of the towel rail and/or heating element.
12. **DO NOT** power up the element prior to the radiator being filled & commissioned.
13. **Children under the age of 3** should not be allowed within close proximity of the device without the supervision of an adult.
14. Be aware, all metal surfaces are hot when the radiator is turned on.
15. **This installation should only be installed by a qualified tradesperson** in accordance with the applicable regulations regarding safety and all other regulations.
16. All installations to which the device is connected should comply with regulations applicable in the country of installation and use.
17. Extensions leads or electric plug adapters should not be used to supply power to the heater.

18. The electric installation to which the heater is connected should have the right current differential and overcurrent relay (R.C.D) of 30 mA.
19. An omni-pole cut-out is required for disconnecting the device on all poles, via joints positioned at least 3mm apart.
20. **The device must not be connected while being installed.** Disconnect the power wire from the electrical circuit. Put the casing on the body of the heating element unit before plugging the device.
21. Do not open the casing.
22. The device is intended for home use only.
23. **Before installing or removing the element,** make sure it is fully isolated from the mains power supply.
24. Do not open the device. Any interference with the internal components will invalidate the warranty.
25. Regularly check the device for any damage to ensure it is safe to use.
26. The element must be electrically isolated from the mains power supply during any maintenance.

Child Safety Notices:

Please note that you are 100% legally responsible for your own child's safety at home. Once installed, the radiator can become a hazard for children as this radiator is not designed to support unreasonable extra weight, such as that of a child and the radiator becomes hot during use. We must stress that you should not allow children to climb/grab/play with the radiator or rails, as this can cause accident or injury for the child from heat, falling, or the radiator being pulled off the wall.

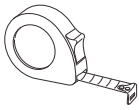
Intended use of device:

This towel rail is designed to be plumbed into the main central heating system and used as a radiator/towel rail. It can also be wired into the electric mains for summer towel warming.

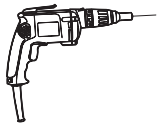
Heating elements are intended for use within a sealed radiator (not to open atmosphere).

Tools required for installation (not supplied)

Pencil



Tape Measure



Power Drill

Spirit Level

PTFE Tape

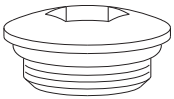
Screwdriver

Adjustable Wrench

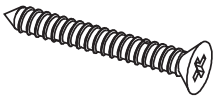
Gloves

Ensure the appropriate PPE is used during installation

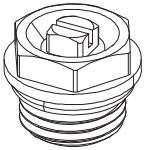
Fitting List:



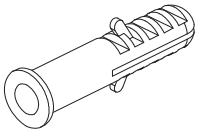
Plug x1



Screws x12



Air vent x1

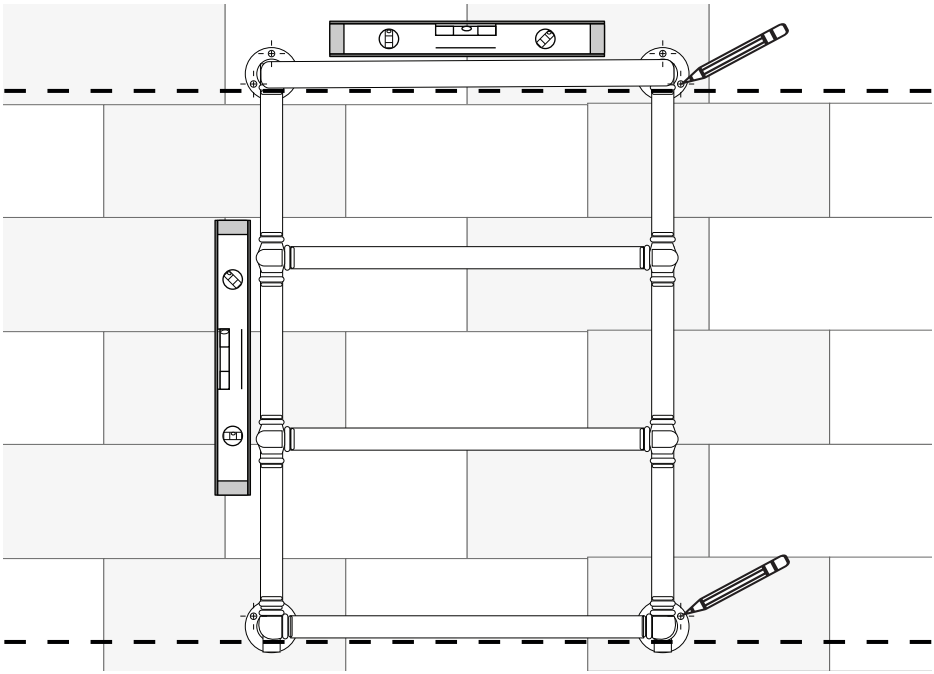


Rawl Plug x12

Mounting the Radiator:

Step 1:

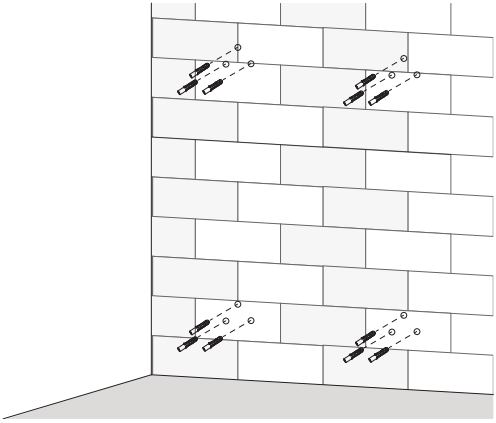
- Position the radiator on your chosen wall and using a spirit level check that the radiator is level both vertically and horizontally. Using a pencil, mark the top & bottom fixing brackets ready for drilling & securing.
- For central heating/duel fuel installation, drain down the heating system in preparation to connect the radiator.

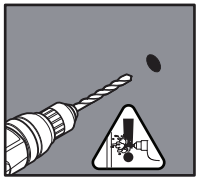


WARNING: In order to avoid a hazard for very young children, this appliance should be installed so that the lowest heated towel rail is at least 600mm above the floor.

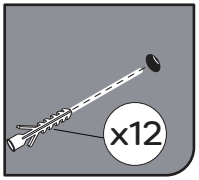
Step 2:

- Carefully drill the holes for the ‘Rawl plugs’ ensuring the correct sized masonry bit is used and insert the ‘Rawl plugs’.
- For false or studded walls, different fixings can be purchased from your local DIY store. Ensure the fixings you choose are suitable for the type of wall structure to which you are hanging the radiator, while also allowing for the weight of the radiator when both empty and filled with water/heating agent.



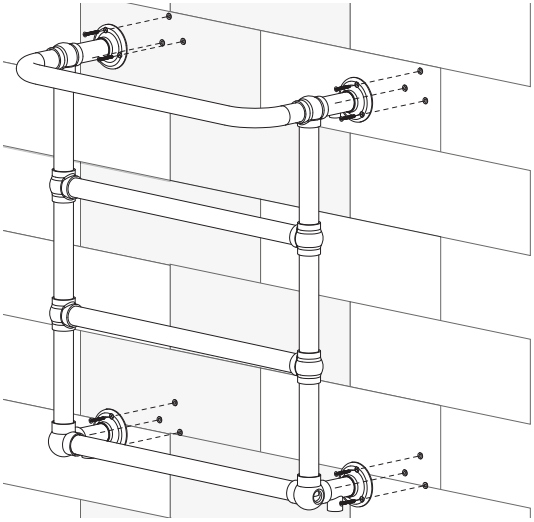


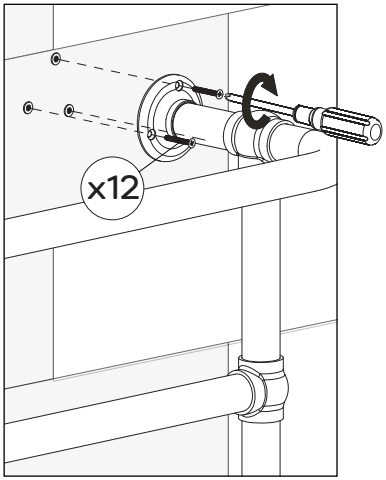
Warning:
Check the chosen wall space for any pipes/cables prior to drilling!



Step 3:

- Place the radiator back onto the wall over the ‘Rawl plugs’, secure the top and bottom fixing brackets to the wall using the ‘Screws’ provided. Ensure the radiator is level using a spirit level.



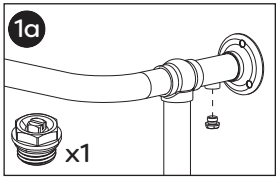


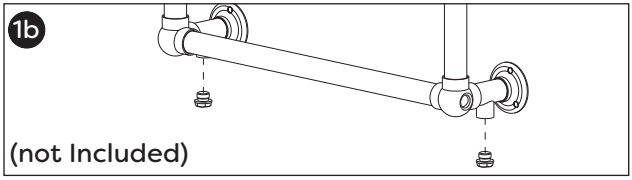
Element Installation: (Element not Included in packaging)

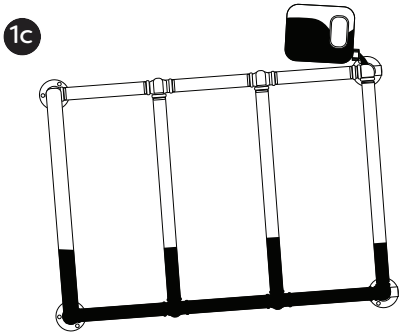
Step 1:

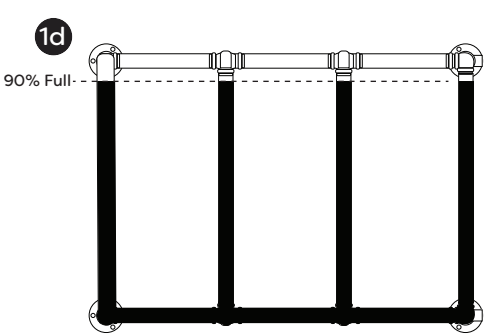
- Dismount the radiator from the wall and remove the plastic caps from underneath the radiator. Insert the 'Air Vent' into the top tapping ensuring the 'Air Vent' is in the closed position. Insert two 'G1/2" blanking plugs' (not included) to the bottom tappings of the radiator.

- Tilt the radiator to the side making sure that the side tapping is facing in an upward position. Fill the radiator with the heating agent. Put the radiator in a upright horizontal position and check the level of the liquid inside it (the radiator should be 90% filled to allow for expansion).





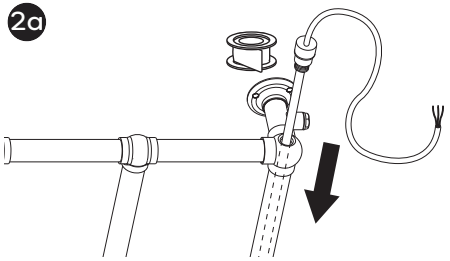


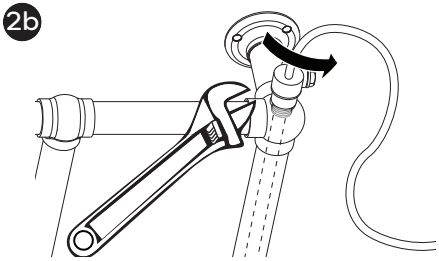


Step 2:

- Wrap PTFE tape around the thread of the element. Insert the heating element into the threaded opening at the side of the radiator. Twist the head of the heating element with an adjustable wrench. Ensure the element is positioned in such a way so that the indent in the head connection is directed either towards you or sideways.

- (**Note:** The radiator must not be resting on the heating element or any parts of the connection at any time. Ensure the connection between the radiator and heating element is tight.)

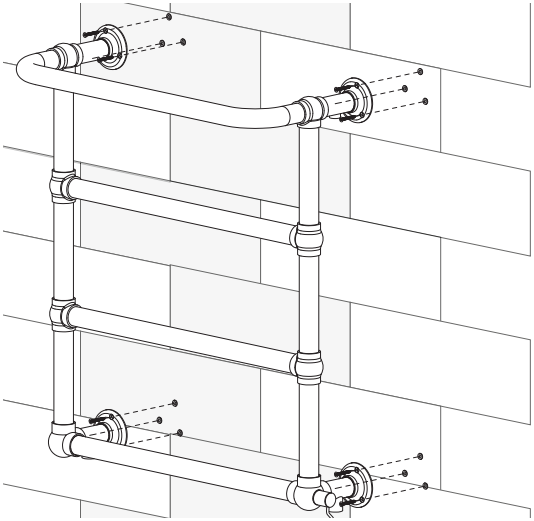


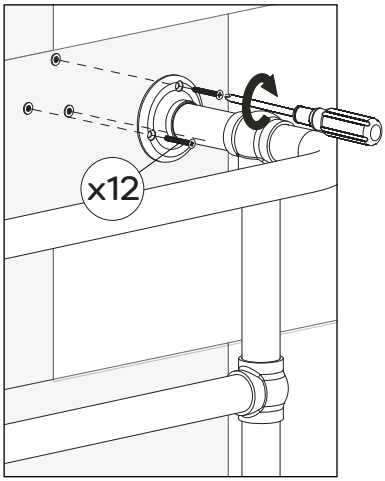


Step 3:

- Connect the element to the mains supply and test the element to ensure it is working correctly. (See 'Electrical Connection' and 'Testing the Element' for more information).

- Place the radiator back onto the wall over the 'Rawl plugs', secure the top and bottom fixing brackets to the wall using the 'Screws' provided. Ensure the radiator is level using a spirit level.



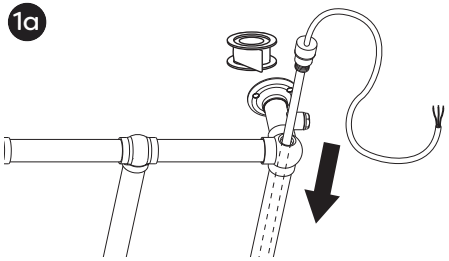


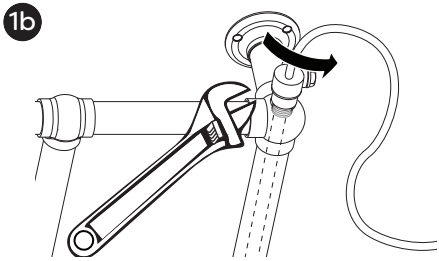
Dual Fuel Installation: **(Element not Included in packaging)**

Step 1:

Wrap PTFE tape around the thread of the element. Insert the heating element into the threaded opening at the side of the radiator. Twist the head of the heating element with an adjustable wrench. Ensure the element is positioned in such a way so that the indent in the head connection is directed either towards you or sideways.

(**Note:** The radiator must not be resting on the heating element or any parts of the connection at any time. Ensure the connection between the radiator and heating element is tight.)

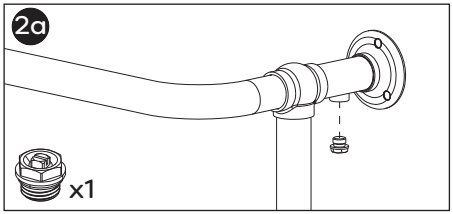


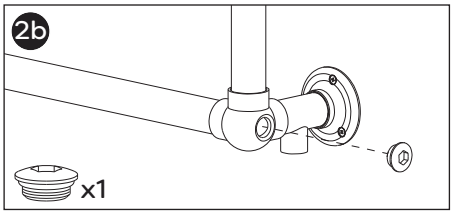


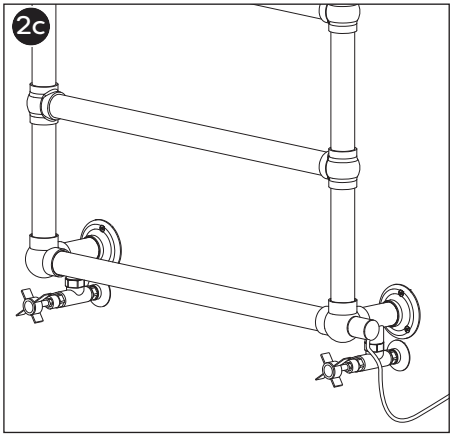
Step 2:

- Wrap PTFE tape around the 'Air Vent' thread and 'Plug' thread, then proceed to insert into the radiator tightening with an adjustable wrench. Repeat the procedure and install the radiator valves in the bottom tapping's.

- Proceed to connect the element to the mains supply (see 'Electrical Connection' for more information).



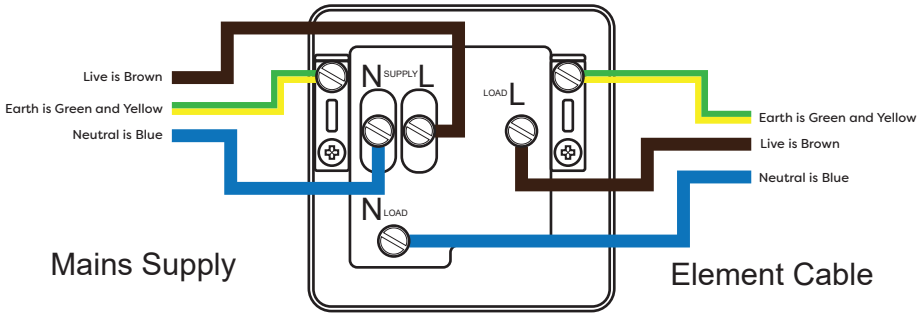




Electrical Connection:

WARNING: Before you begin, ensure the mains power supply is switched off prior to connection!

Connect the element cable and mains supply to a fused spur switch according to the wiring diagram. Ensure that there are no exposed wires upon completed installation.



Diagrams are for illustration purposes only. Your switch may superficially differ from this drawing. Refer to the instructions of you chosen switch for guidance is needed

Testing the Element:

1. Connect the device to the electricity and turn on the heating element unit.
2. Safely wipe away any excess fluid to ensure the radiator does not flood.
3. Once the radiator has reached maximum temperature wait another 5 minutes, check all joints and connections for any leaks.
4. Mount the radiator back onto the wall. The device is ready to use.

Testing the Heating (Dual Fuel Radiator):

1. Ensure the Element is switched off prior to testing.
2. Turn of the central heating, open the radiator valves and bring the radiator to full heat.
3. Once the radiator has reached maximum temperature wait another 5 minutes, check all joints and connections for any leaks.
4. Turn the radiator off. The device is ready to use.

Testing the Element (Dual Fuel Radiator):

1. Ensure the central heating is switched off prior to testing.
2. Connect the device to the electricity and turn on the heating element unit.
3. Once the radiator has reached maximum temperature wait another 5 minutes, check all joints and connections for any leaks.
4. Turn the element off. The device is ready to use.

Troubleshooting

When your radiator does not function, knowing the basic radiator troubleshooting can save you from the stress and the hassles of a non-functioning radiator. Here is a guide to solve the most common problems associated with these electric home heaters.

PROBLEM	ACTION
Radiator does not get hot across the whole Radiator.	Check the correct wattage element has been installed and that there has been no fluid loss during installation & commissioning.
Why has the radiator stopped working?	Check the heating element is functioning correctly.
Radiator is Leaking.	Check blank plugs and heating element for water tight seal.

Product Disposal:

This product should not be disposed as general waste, but should be brought to the appropriate collection point for recycling of electric and electronic devices.

Information on the appropriate point for used devices can be provided by your local authority, product distributor or from where the product was purchased.

Notes:

Notes:

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