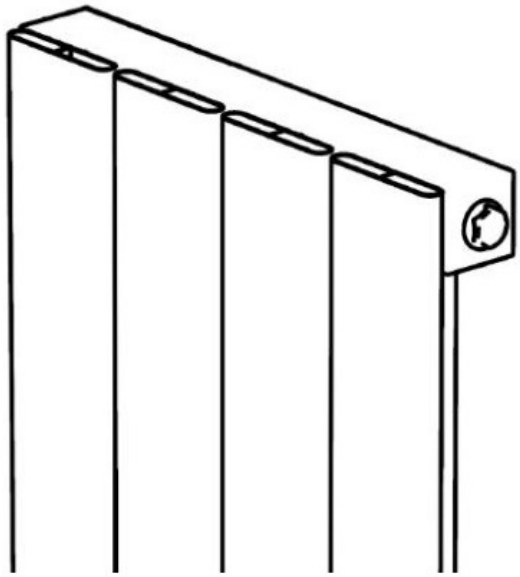
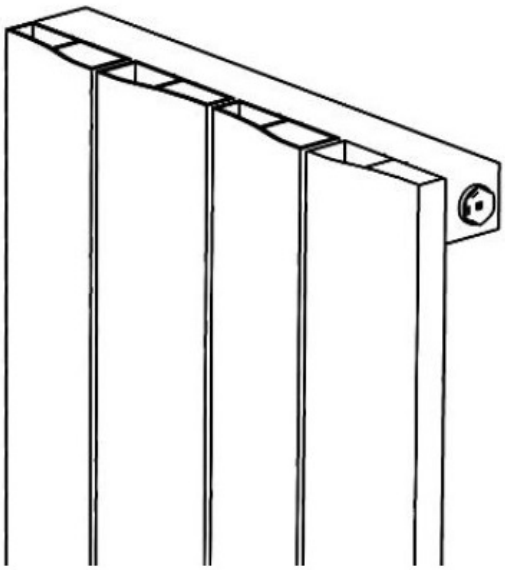
USER MANUAL





ALUMINIUM RADIATORS

Thank you for choosing buy it direct.
Please read this user manual before using this heater and keep it safe for future reference.
Visit our page, https://www.appliancesdirect.co.uk/, for our entire range of products.

CONTENTS

SAFETY INSTRUCTIONS

IMPORTANT: Carefully read the instructions before operating the unit.

- This radiator has been manufactured in line with BS EN 442-1.
- Install the radiator indoors only.
- Check the product and its parts for damage and missing parts prior to starting your installation.
- A competent person should install your radiator. Failure to do so will invalidate your warranty!
- The pipework must be flushed prior to installation to ensure no debris will enter the system, which may damage the radiator.
- A corrosion inhibitor should be used in your installation.
- Ensure the radiator is installed the correct way up and is level.
- Before installation, place a dust sheet on the floor to protect the floor and catch any small parts that may be dropped accidentally.
- When filled with water, radiators can be heavy; ensure the wall you are fixing them to will bear their weight.
- Do not allow children to sit or climb onto the radiator.
- Do not allow children to be unsupervised around the radiator when in use, as this will be hot.
- The radiator can have hard corners, so please ensure you are careful.
- Follow the instructions when mounting the radiator to avoid any hazards.
- Only use the mounting equipment provided or that of the same size and type to ensure the radiator is not too close to the wall and the brackets can support the radiator's weight.
- Clean the radiator with a soft, damp cloth and a mild solution of soapy water.
- Do not use any abrasives, bleach or chlorine to clean the radiator.
- Do not empty the radiators for periods of non-use as this may cause corrosion.
- Illustrations in this manual may differ from the final product due to constant product development and improvement. There may also be slight variations between the different models covered in this manual.
- **IMPORTANT:** All technical data is on the radiator box.

TOOLS REQUIRED


Adjustable Spanner


Screwdrivers


Drill


Pencil


Spirit Level


Rubber Mallet


Tape Measure


Clean Cloth

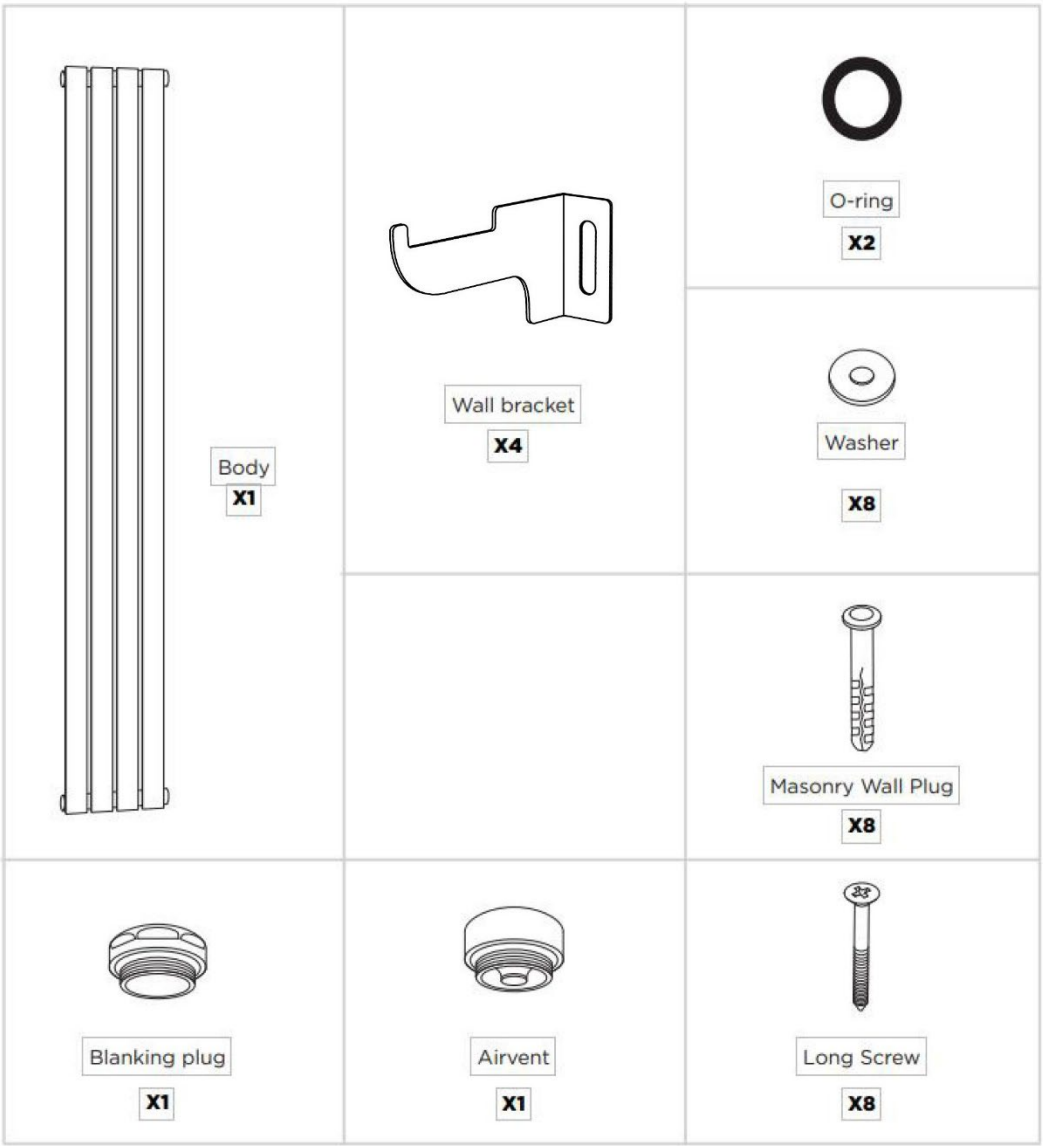

Gloves


PTFE Tape

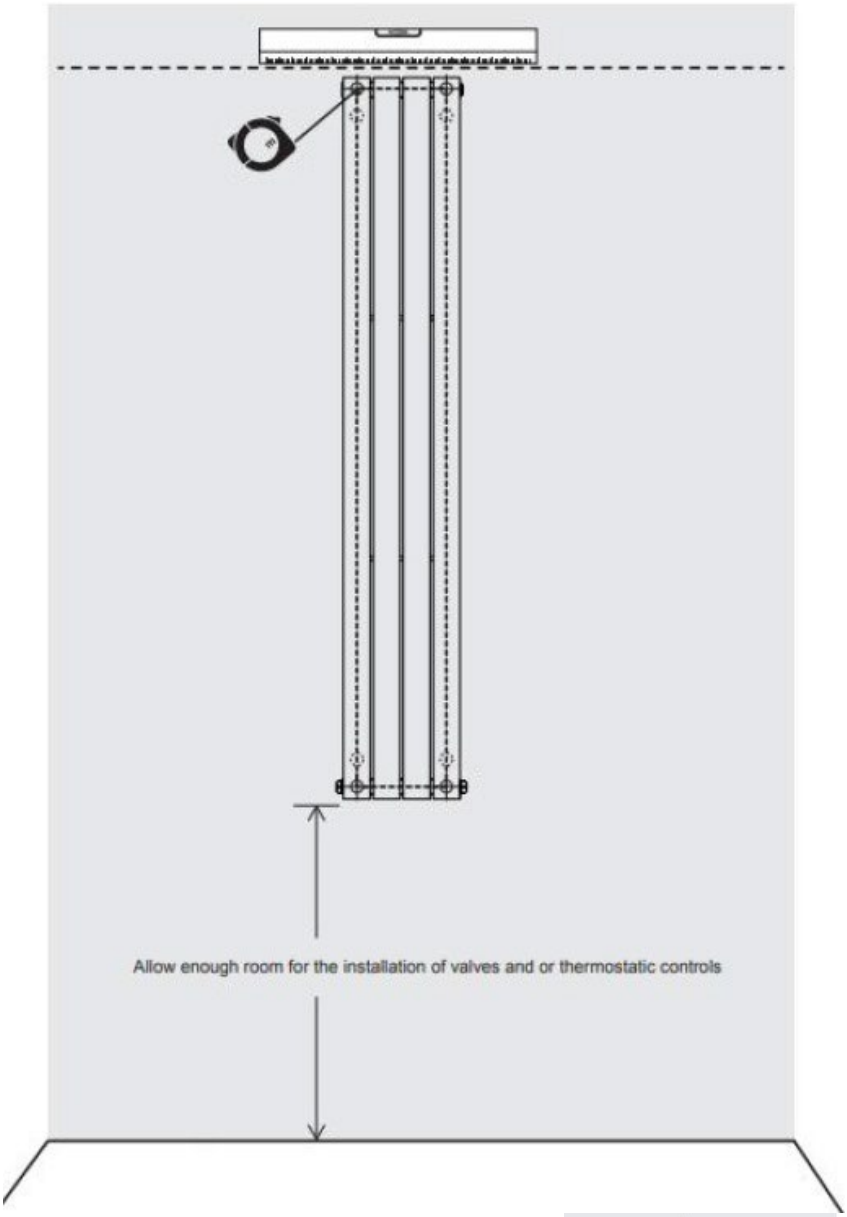
INSTALLATION

- Please ensure a competent or qualified professional installs the radiator and does any required pipework connections.
- Turn the water off from the main valve.
- Bleed the radiator system to ensure no debris will flow into the new radiator.
- Mount the radiator as per the instructions in this manual.
- Connect the radiator using a suitable connector for your desired placement. Use PTFE tape on the Male connection threads. First, twist the tape into a smaller string and wrap it around the threads. Then, wrap a final flat piece of PTFE tape over this. A sealant could also be used at the professional's discretion.
- Turn the water back on from the main valve.
- Repressurise the system, leaving the air vent open on the new radiator to ensure it fills with water. Check for leaks.

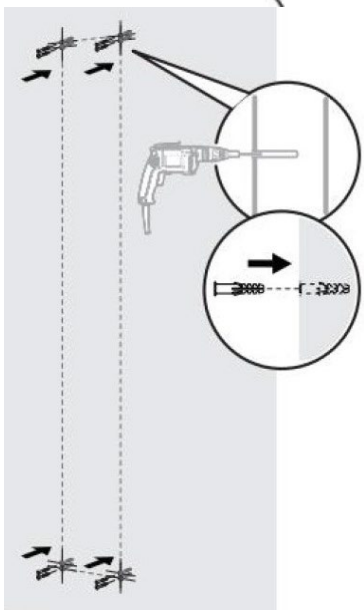
IMPORTANT: The installation parts are for solid stone/brick walls only. You will need to purchase different equipment if you are installing this onto a plasterboard partition wall. The plasterboard partition wall must be suitable for the installation of a radiator, i.e. reinforced to ensure it is capable of supporting the weight of the radiator.

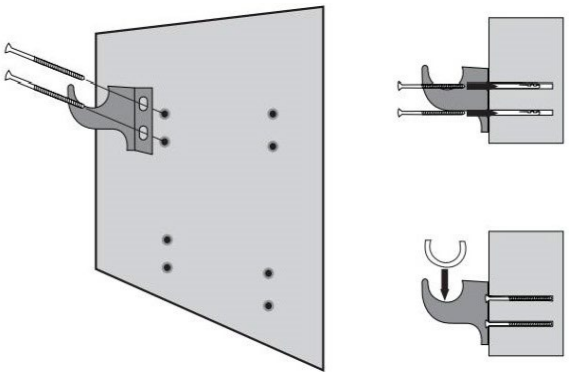


1. Place the radiator in your desired position, use the spirit level to ensure this is level, and then mark the four points for the brackets.

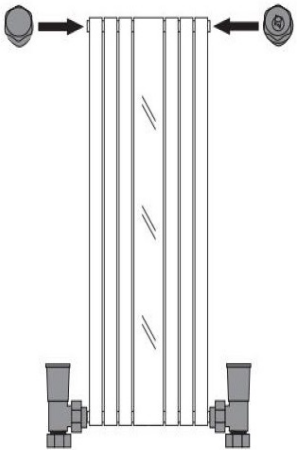


2. Drill the eight holes for the brackets and insert the wall plugs.

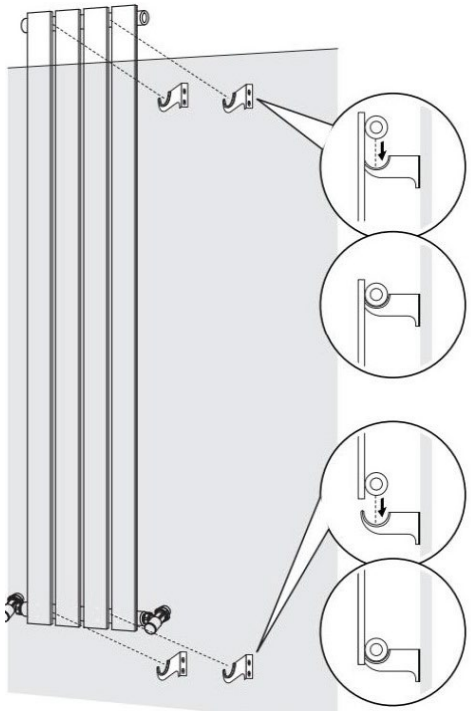




3. Fix the brackets to the wall using the screws. Then, insert the silicon gaskets into the hook on the brackets.



4. Wrap PTFE tape around the blanking plug and bleeder valve. Then screw the blanking plug and air vent into the top of the radiator and tighten with a spanner. Apply PTFE to the bottom valves, as explained earlier.



5. Mount the radiator onto the brackets, then connect the radiator to the household system.

OPERATION

Aluminium radiators are an excellent choice for modern heating solutions due to their lightweight nature and high resistance to corrosion. Their lightweight nature makes them easier to install and reposition if necessary.

PERFORMANCE

- **Heat Transfer:** Aluminium radiators are exceptionally efficient at transferring heat compared to steel radiators. They heat up quicker, which, in turn, heats your room quicker. This efficiency translates to lower running costs, as they require less energy to achieve the desired temperature.
- **Heat Retention:** While steel radiators retain heat better and can keep a room warm for longer periods after the heating is turned off, aluminium radiators excel in rapid heat distribution. Their heating performance (delta T50) in BTU/W is superior to that of similarly sized steel radiators. This makes them ideal for use with gas boilers in eco mode or heat pump systems, as they can radiate more heat quickly at lower temperatures.
- **Responsiveness:** Aluminium radiators respond faster to changes in the thermostat. This responsiveness ensures that rooms are heated to the desired temperature rapidly, further enhancing their suitability for energy-efficient systems like heat pumps.

CAN I MIX STEEL AND ALUMINIUM RADIATORS IN A CENTRAL HEATING SYSTEM?

Yes, you can mix steel and aluminium radiators in a central heating system, but there are a few important considerations to keep in mind:

- **Balancing the System**: Since steel and aluminium radiators have different heat conductivities, you may need to adjust the flow rates to ensure even heating throughout your home. This can be done using Thermostatic Radiator Valves (TRVs) to control the heat output of individual radiators. Please use a professional installer to balance the system accordingly.
- **Heat Output and Sizing:** Ensure that the combined heat output of all radiators in a room meets the space's heating needs. You can use a BTU calculator to determine the required heat output and balance the system accordingly.
- **Corrosion Prevention**: While aluminium radiators do not corrode, mixing different metals can sometimes lead to galvanic corrosion. To prevent this, it's important to use a good-quality inhibitor in your central heating system. It is recommended to use known brands, with a long history of good reviews.
- **System Compatibility:** Your central heating system or boiler should be able to accommodate a mixture of materials. Most modern systems are designed to handle different types of radiators without any issues.

BENEFITS OF CHOOSING ALUMINIUM RADIATORS

By choosing aluminium radiators, you can benefit from faster heating times, smaller radiators, lower running costs, and optimal performance with modern heating solutions such as highly rated gas boilers or heat pumps.

CLEANING AND MAINTENANCE

Wipe the radiator regularly with a soft, damp cloth and a mild soapy water solution.
Do not use any abrasives, bleach or chlorine when cleaning. Do not scrub with anything hard, as this will damage the coating.

TROUBLESHOOTING

FAULT	POSSIBLE CAUSE	REMEDY
Cold spots on the radiator.	Water is not following properly.	Ensure there is no trapped air inside the radiator by bleeding the system. Ensure the valve is fully open to allow free-flowing water.
Leak	The valve nut is loose. The Bleeder valve is open.	Tighten the valve nut. Close the bleeder valve.
Whistling or whooshing sound.	The radiator isn't level.	Complete a full re-installation of the radiator using a spirit level.
Clanking sound.	Positioning of the radiator doesn't allow for pipe expansion.	

Buy It Direct UK SUPPORT

For any issues unrelated to your central heating system, call 0330 390 3061 or complete the online form.
Office hours: 9 AM - 5 PM, Monday to Friday

https://www.appliancesdirect.co.uk/

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