

## Technical Specifications

Materials	Cast iron.
Connections	½" flow and return bottom opposite end.
Test pressure	10.3 Bar
Testing authority	EN442
Maximum operating pressure	6 Bar
Maximum working temperature	110°C
Packaging	Paper pulp channels, corrugated cardboard & polythene sleeve.

**PLEASE NOTE:** Systems using micro bore pipework must have adequate pressure and flow rates for the number and style of radiators on the system.

## Terms & Conditions

All products must be inspected once removed from the packaging and The Radiator Company notified within 28 days of delivery of any scratches, blemishes or other damage. The Radiator Company will then replace the radiator.

Imperfect radiators should therefore not be fitted and The Radiator Company will not accept responsibility for replacement of scratched or damaged radiators once they have been fitted. This includes any consequential loss or cost of fitting.

If The Radiator Company are not notified within 28 days of the date on the signed delivery note then it will be deemed that The Radiator Company have fully complied with its obligations and claims will not be considered.

Failure to comply with any of the above may invalidate any claims.

We recommend that after you check the product on delivery that it is stored in its packaging to prevent damage prior to installation. The Radiator Company cannot accept responsibility for items damaged after delivery.

## Guarantees & Liabilities

As we are not the manufacturers of this product we will take all reasonable endeavours to make over to you the benefit of any warranty or guarantee given by the manufacturer, which is usually five years on most of our range. (Copies of specific guarantees for any of our products are available on request).

The guarantees in all cases are subject to the products being installed in accordance with British and or European standards as well as these fitting instructions. The guarantees in all cases are restricted to the free of charge replacement or repair of the failed product only. Our liability will under no circumstances extend beyond the repair or replacement of the product supplied by us. Claims for either labour in replacement or damage to property are not admissible. Any goods that are returned, in the event of a problem, will belong to The Radiator Company.

**Please Note: We strongly recommend flushing the heating system post installation of new radiators and then adding the correct quantity and type of inhibitor for use with your radiator and system to prevent corrosion. Damage caused to systems not protected by a suitable inhibitor will not be covered by manufacturer's guarantee.**

## Fittings Instructions



This "school house" design is perfectly suited to Victorian or older properties where a modern alternative would look out of place.

Please read these instructions and terms and conditions carefully prior to installation. Failure to do so may invalidate the warranty.

The Radiator Company  
Units 13 - 14 Charlwoods Road  
East Grinstead  
West Sussex  
RH19 2HU

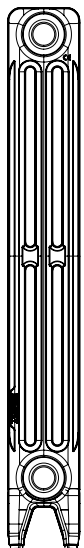


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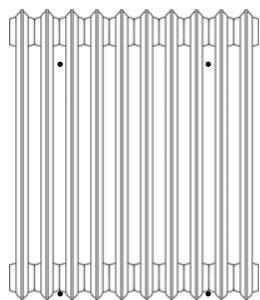
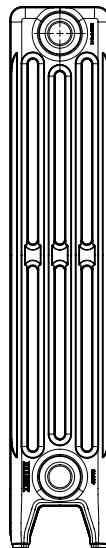
## Aston Diagrams

Aston with footed ends as standard

3 Column



4 Column



• = typical fixing positions

## Pipe Centres

Pipe centres left to right = 58.5mm x total number of sections + 25mm for bushes + valves.

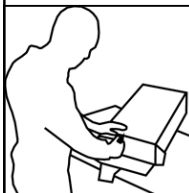
Pipe centres from wall

3 column = 84mm - 99mm

4 column = 103mm - 118mm

## 1 Inspect

The Radiator Company prides itself on selecting products from manufacturers who exercise tight quality control measures. We only select models with excellent standards of welding and brazing, as well as high quality finishes. All of our products are well packaged and should reach you in perfect condition. Just in case however, we offer a 10 year no quibble guarantee for all cast iron radiators.



Please carefully unpack and inspect this radiator and all fittings. The Radiator Company must be notified of any shortages or damage within 28 days of delivery. For further information please see terms and conditions on back page.

## 2 Contents

For radiators up to 10 sections you should have

- 1 Radiator
- 4 Bushes ( pre-installed with 4 x 0.5" BSP holes)
- 1 Blanking plug
- 1 Air vent

Plus either

- 2 Wall brackets & wall ties

For radiators over 10 sections you should have

- 1 Radiator
- 1 Joining key, if requested
- 2 Nipples per join in sealed bag
- 2 Gaskets per join in sealed bag
- 4 End bush gaskets in a sealed bag

All bushes will be screwed hand-tight into the radiator.

Plus either

- Wall brackets & wall ties

## 3 Joining Sections If Required

If you require joining sections, please see the separate instructions provided.

## 4 Fitting Bushes IMPORTANT NOTE

Cast Iron radiators have specific left and right hand threaded bushes and these can be easily damaged if forced or incorrectly fitted (this will inevitably cause leaks). **Bushes require a dry fit connection only; you must not use any Compound materials** (e.g. Jet Blue) or **Plumbers Hemp**. If you choose you may use up to 4 turns of PTFE tape to help seal the threads (the tape should be applied in the direction of the thread and no more than this amount should be used as this may cause leaks to occur)

## 5 Marking Wall Ties & Wall Brackets

Wall mounted radiators can either sit on, or hang from the wall brackets. It is essential that the positions for these brackets are accurately measured and level as there is no allowance for any vertical or horizontal adjustment once fitted.

Wall brackets are typically positioned one section in from either end with extra wall brackets spaced equally throughout if supplied.

## 6 Fixing Wall Ties & Wall Brackets

With the positions accurately marked drill and fix the wall ties or wall brackets. Wall brackets must only be used in masonry with the supplied wall plug.

Wall ties can be screwed into wood or used in masonry with a suitable wall plug.

## 7 Commission

In accordance with Part L1 2006 of the Building Regulations and BS7593:1992 code of practice for the treatment of hot water and central heating systems, we strongly recommend flushing the heating system post installation of new radiators and then adding the correct quantity and type of inhibitor for use with your radiator and system to prevent corrosion. Damage caused to systems not protected by a suitable inhibitor will not be covered by manufacturer's guarantee.

# Cast Iron Joining Instructions

**Please note:** that after manufacture these radiators are pressure tested and cleaned inside, they may, therefore, contain a small amount of water. If handling on a finished floor ensure that adequate protective material is in place before working on the radiators.

A minimum of two people are required to join these sections to ensure safe handling of the radiators and to facilitate an effective water tight seal.

You will need: two nipples, 2 gaskets per join, appropriate size joining key, extension rod for extra torque, bushes and gaskets.

**Cast Iron radiators have specific left and right hand threaded bushes and these can be easily damaged if forced or incorrectly fitted (this will inevitably cause leaks). Bushes require a dry fit connection only; you must not use any Compound materials (e.g. Jet Blue) or Plumbers Hemp. If you choose you may use up to 4 turns of PTFE tape to help seal the threads (the tape should be applied in the direction of the thread and no more than this amount should be used as this may cause leaks to occur)**

Please watch our how to assemble videos online via our website;  
<https://www.theradiatorcompany.co.uk/videos/>

1. To facilitate the joining process the radiator sections must be raised off the ground, (on a firm flat surface) to allow the joining key to turn freely. The radiators should not be placed upright or on end when joining.

2. Before joining the radiators together please remove the plastic bungs.

3. Position all sections to be joined the correct way up; place the end with a rough casting finish along the join at the bottom and the end with the smooth cast finish at the top. The radiators also need to be the correct way round; ensure the same trade mark or manufacturers stamp are all facing the same way. (Image 1 & 2)

4. Clean the surfaces to be joined using a small blade or similar to remove any dirt or deposits from the face and screw thread.

5. The radiator sections and joining nipples have one left and one right hand thread (image 3) the Nipples must be inserted correctly to avoid cross threading. The end of the nipple with the left hand thread has a serrated edge; the end with the right hand thread has a smooth edge.



# Cast Iron Joining Instructions

6. Fit a yellow paper joining gasket over each nipple; push them carefully onto the nipple, making sure they do not tear, until they sit in the groove in the middle of the nipple. (image 4)

7. Having identified the correct insertion direction, using 1 hand turn only screw in a pair of nipples into the end of one radiator (screwing the nipple in further at this stage may cause problems obtaining a water tight seal.) (Image 5)

8. Offer up the second radiator, making sure that the two nipples enter the second section evenly.

9. Measure the distance required for the key to identify how far in you need to place the key and then insert the key through the open end of the water way to locate the lug within the first nipple to be joined. (Image 6)

10. The two nipples should now be tightened alternatively to keep the radiators parallel. The key should be kept in a central position in the waterway whilst turning. Tighten the first nipple with 2 turns only, pulling the two sections together. Repeat the process alternating between nipples, until both sections are joined hand tight.

11. Once the joins have been hand tightened both will need extra torque applied to make a water tight seal. To obtain this use a metal extension rod to apply greater leverage. (image 7)

12. Once the joins are satisfactorily tightened you can fit the blanking plugs, bushes and gaskets. Please note these items are also left and right handed to avoid cross threading.

