

## Technical Specifications

Materials	Mild Steel.
Connections	½" flow and return.
Test pressure	13 Bar
Testing authority	EN442
Maximum operating pressure	8 Bar
Maximum working temperature	95°C
Packaging	Wrapped in polyethylene with polystyrene protectors.

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

Steel products can be cleaned using a soft damp cloth with a non abrasive cleaning product.

## 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.

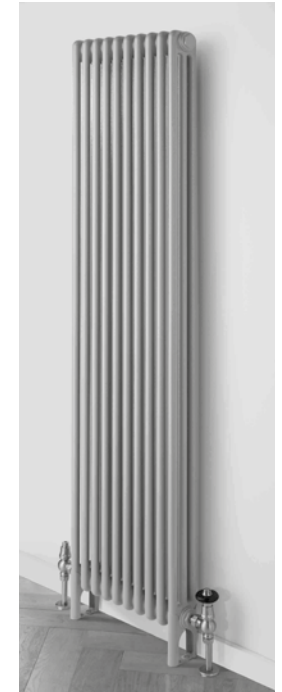
## Guarantees & Liabilities

This product is guaranteed for 10 years. 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.

 THE  
RADIATOR  
COMPANY

Ancona®  
made to order

## Fittings Instructions



The Ancona® range is incredibly versatile with literally hundreds of possible sizes, in a choice of three mounting options and any one of over 180 colours and exclusive special finishes.

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

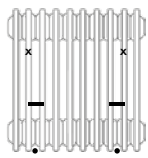


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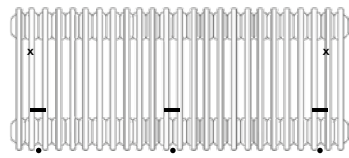
## Diagrams of Ancona®

### Bracket Positions

Up to 20 sections



20 sections and over



— = typical position for standard wall brackets

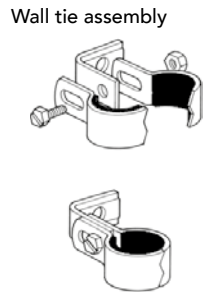
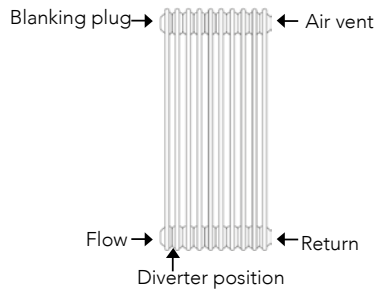
x = typical wall tie positions

• = typical position for cast feet

Wall ties/ Brackets should be logically positioned to prevent Ancona from falling away from the wall, usually in line with either wall brackets or feet.

If more than 3 brackets or feet have been supplied these should be spaced evenly.

### Ancona orientation



## Pipe Centres

### Pipe Centres for Anconas with Standard Wall Brackets & Cast Feet

Pipe centres left to right = width of radiator + 24mm for bushes + valves

Pipe centres from wall

2 Column	= 64mm to 74mm
3 Column	= 82mm to 92mm
4 Column	= 102mm to 112mm
5 Column	= 120mm to 130mm
6 Column	= 140mm to 150mm

### Pipe Centres for Anconas with Stud Wall Brackets

Pipe centres left to right = width of radiator + 24mm for bushes + valves

Pipe centres from wall

2 - 3 Column	= 70mm to 80mm
4 - 5 Column	= 95mm to 130mm
6 Column	= 129mm to 148mm

### Pipe Centres for Ancona with Welded Feet

Ancona supplied with Welded Feet can be securely fixed to the floor, therefore allowing it to be positioned anywhere in the room. If you wish to secure the model just using Wall Ties, the pipe centre dimensions will be the same as if using Cast Feet or Wall Brackets.

## 1 Unpack & 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 minimum 5-year no quibble guarantee for all radiators and towel rails.

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

You should have:

- 1 Radiator
- 1 Diverter
- 4 Bushes
- 1 Manual Airvent
- 1 Blank Plug

Plus your chosen mounting option:

- Standard Wall Brackets
- Stud Wall Brackets
- Cast Feet
- Welded Feet

**PLEASE NOTE: We will supply the correct number of brackets and wall ties with each order; prices for extra brackets / feet & wall ties are available on request.**

You will need:

- Tape measure
- Electric drill and bits
- Spirit level
- Suitable screws and plugs

Plus additional mounting options if ordered

## 3 Orientation

Steel Multi Column radiators have specific left & right hand threaded bushes & these can be easily damaged if forced or incorrectly fitted (this will inevitably cause leaks).

If your radiator is delivered as a complete unit (up to 40 sections) it will be supplied with four factory fitted bushes. At the top should be the blanking plug and the ½" air vent bush. At the bottom are two ½" bushes for flow and return connections. A diverter is fitted within the first two sections in the lower water way directly below the blanking plug end. The flow must be connected to this side (please see diagram left).

Any radiator that requires joining will be supplied with a set of 4 bushes which will require fitting into the positions described above. 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). The bushes with a left hand thread are identified with a red sticker with the letter L.

If looking directly at the front of the radiator, the two bushes with an 'L' sticker on them are positioned on the left and turned anti-clockwise. The two bushes with no stickers are positioned on the right and turned clockwise. It is best to leave the sticker on the bushes until you have fitted the radiator and are ready to install the valves and air vents.

## 4 Mark Bracket Positions

All wall brackets are typically positioned two or three sections in from either end (please see diagram left).

The standard wall bracket is a clamp style (pictured right) with a separate mounting plate that is fixed to the wall.



When securing the brackets to the radiator wrap masking tape around your screwdriver to reduce the risk of damaging the paint finish.

Fit the wall brackets and wall ties on to the back of the radiator two sections in from each end.

Standard wall bracket

For standard wall brackets fix the clamp bracket and the complete wall tie to the radiator and mark their positions on the wall.

**PLEASE NOTE:** It is essential that all brackets are level to ensure a vertical alignment for connecting the pipework.

## 5 Fix Wall Brackets / Feet

Drill holes and fix the wall plates for the bracket ensuring they are all level. Hang the radiator clamp brackets onto the wall plates, then using a long screwdriver secure the wall ties to the wall.

If using solid wall brackets use a rubber mallet to insert the brackets to prevent damaging the paint finish. For welded feet and cast feet fix the wall ties in place on the top of the radiator and place the radiator in situ, mark the wall ties position, fix the wall plates, then position the radiator and secure the wall ties to the wall plates.

**PLEASE NOTE:** It is essential that all brackets are level to ensure a vertical alignment for connecting the pipework.

## 6 Hang Radiator & Commission

With all bracket positions fixed, the radiator is placed in its final position and secured for valve and pipe work connections. Please ensure the flow is connected to the correct end nearest the diverter (please see diagram left).

When commissioning your radiator on an indirect/closed system we recommend using a suitable quality & quantity of mixed metal inhibitor to protect against scale & corrosion.

Damage caused to systems not protected by a suitable inhibitor will not be covered by manufacturer's guarantee.

**Please Note:** 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.