

# MALVERN

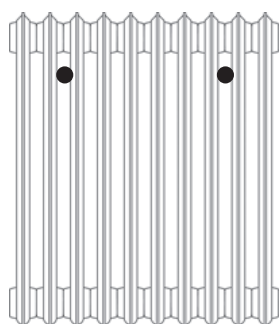
## Fitting Instructions

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



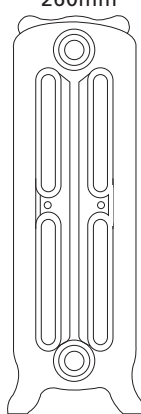
## Drawings

Footed ends as standard



● = typical position for wall ties (two sections in)

3 column  
260mm



2 column  
200mm



PLEASE NOTE: after manufacture these radiators are pressure tested and cleaned inside with water, as a result they may, therefore, contain a small amount of residual water which may be subject to discoloration. This will not adversely affect the performance of the radiator once installed. If handling on a finished floor ensure that adequate protective material is in place before working on the radiators.

## Pipe Centres

Pipe centres left to right	=	2 column = 76mm x total number of sections + 24mm for bushes + valves 3 column = 78mm x total number of sections + 24mm for bushes + valves
Pipe centres from wall	=	2 column = As a free standing radiator pipe centres depend on final position 3 column = As a free standing radiator pipe centres depend on final position

## 1. Unpack & Inspect

This product should have reached you in perfect condition. Please carefully unpack and inspect this radiator and all fittings. Your point of purchase must be notified of any shortages or damage within 28 days of delivery. For further information please see terms and conditions overleaf.

## 2. Contents

You should have:

- 1 Radiator
- 3 Bushes (gaskets are fitted on the bushes)
- 1 Blanking plug
- 1 Air vent

You will need:

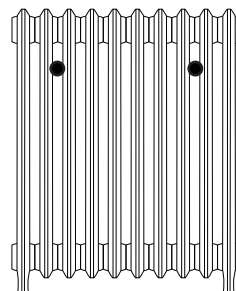
- Tape measure
- Electric drill and bits
- Spirit level
- Airvent key
- Wall Ties (if not specified)
- Spanner for valves and vents

## 3. 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)

## 4. Marking Wall Ties

When placing the radiator in place for installation, consideration needs to be taken for the width of the feet as this will affect how far the radiator will sit from the wall/skirting board.



### Wall Tie Installation

With the radiator in place, mark the positions for the wall ties, which can be placed on the second section in from the side (shown left)

● = Wall Tie Positions

Double check the markings then move the radiator out of the way, then using a suitable drill bit and plugs, fix the wall ties to the wall. Wall ties can be screwed into wood or used in masonry with a suitable wall plug.

## 5. 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.**

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## Technical Specifications

<b>Materials</b>	Cast Iron
<b>Connections</b>	½" flow and return bottom opposite end
<b>Test pressure</b>	12 Bar
<b>Testing authority</b>	EN442
<b>Maximum operating pressure</b>	6 Bar
<b>Maximum working temperature</b>	120°C
<b>Packaging</b>	Supplied wrapped in bubble wrap and strapped on a pallet

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

## Guarantees & Liabilities

This product is guaranteed for 20years. 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 us.

## Terms & Conditions

All products must be inspected once removed from the packaging and your point of purchase notified within 28 days of delivery of any scratches, blemishes or other damage. Your point of purchase will then agree appropriate action.

Imperfect radiators should therefore not be fitted and your point of purchase 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 your point of purchase are not notified within 28 days of the date on the signed delivery note then it will be deemed that they have fully complied with their obligations and claims will not be considered.

Failure to comply with any of the above may invalidate any claims. Your point of purchase recommend that after you check the product on delivery that it is stored in its packaging to prevent damage prior to installation, they cannot accept responsibility for items damaged after delivery.