

# LACQUER MULTI COLUMN Fitting Instructions

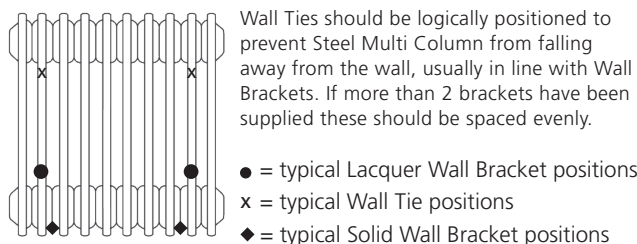
## Steel Multi Column Radiator, Horizontal and Vertical

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

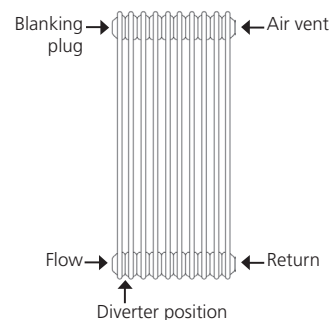
### Drawings

The correct number of Lacquer Wall Brackets (which act as wall ties with solid wall brackets and slip on welded feet) are supplied with each order; extra can be ordered if required.

**Fig 1 - Bracket Positions**

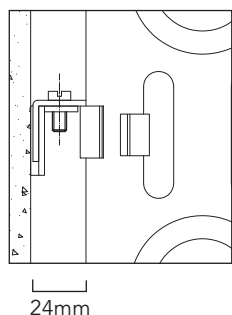


**Fig 2 - Multi Column Orientation**



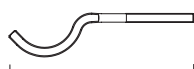
The correct number of Lacquer Wall Brackets (fig 3) which act as wall ties with Solid Wall Brackets (fig 4) and Slip on Feet (fig 5) are supplied with each order; extra can be ordered if required.

**Fig 3 - Lacquer Wall Brackets**



**Fig 4 - Solid Wall Brackets**

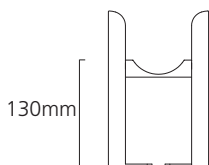
Radiators should preferably sit on solid wall brackets to make them less visible.



Bracket lengths	
4 Column	= 211mm
2 Column	= 173mm
3 Column	= 192mm
5 Column	= 230mm
6 Column	= 249mm

**Fig 5 - Slip on Feet**

Fit onto sections, we recommend one on either end and the remainder evenly spaced.



### Pipe Centres

Pipe centres left to right = width of radiator plus valves

Pipe centres from wall =

Mounting Option	2 Column	3 Column	4 Column	5 Column	6 Column
Lacquer Wall Brackets	56mm	74mm	93mm	112mm	131mm
Solid Wall Brackets	56mm	74mm	93mm	112mm	131mm
Slip on Feet	56mm	74mm	93mm	112mm	131mm

# 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.

## 2. Contents

You should have:

- 1 Radiator
- 1 Manual Airvent
- 1 Blank Plug

Your chosen mounting option out of the following;

- 2 Lacquer Wall Brackets (up to 30 sections)
- 3 Lacquer Wall Brackets (31-40 sections)
- 2 Solid Wall Brackets & 2 Wall Ties (up to 30 sections)
- 3 Solid Wall Brackets & 3 Wall Ties (31-40 sections)
- 2 Slip on Feet & 2 Wall Ties (up to 30 sections)
- 3 Slip on Feet & 3 Wall Ties (31-40 sections)

You will need:

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

## 3. Orientation

Multi Columns are 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 **fig 2** overleaf).

## 4. Mark Bracket Positions

Wall brackets are typically positioned two or three sections in from either end (please see **fig 1** on other page). When using solid wall brackets the radiator should sit on those as this makes them less visible when fitted.

The lacquer wall bracket is a clamp style 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 / wall ties on to the back of the radiator two sections in from each end.

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

## 5. Fix Wall Brackets / Feet

For lacquer wall brackets fix all clamp brackets to the radiator and mark their positions on the wall. Drill holes and fix the wall plates for the brackets ensuring they are all level. Hang the radiator clamp brackets onto the wall plates, then using a long screwdriver secure the wall brackets to the wall plate. If using solid wall brackets use a rubber mallet to insert the brackets to prevent damaging the paint finish. For slip on 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 & Commission

With all bracket positions marked and / or fixed, the radiator is placed in its final position for valve and pipe work connections. Please ensure the flow is connected to the correct end nearest the diverter (please see Drawing 2 on other page).

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.**

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## Technical Specifications

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

## 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 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.