

# FLAT PANEL Vertical Fitting Instructions

Steel Flat Panel Radiator  
Type 21(P+) Vertical

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



## Vertical Brackets drawing

Top adjustable section of the bracket



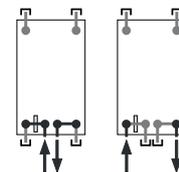
Protruding section must be at the bottom



Please note: Flat Panel Type 21 Vertical has Underneath Valve Connection

## Pipe Centres

Pipe centres left to right	=	50mm / width minus 56mm
Pipe centres from wall	= =	65mm
Depth from wall	= =	106mm



## 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 on reverse.

## 2. Contents

You should have:

- 1 Radiator
- 2 Wall Brackets
- 1 Manual Airvent
- 1 Blanking Plug
- Screws and Raw Plugs

You will need:

- Tape measure
- Electric drill and bits
- Spirit level
- Airvent key
- Appropriate wall fixings
- Spanners for airvents / valves

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

## 3. Installing radiator

Radiators are supplied with 2 brackets. These brackets are fitted with protruding section at the bottom. It is important to fit the top adjustable section of the bracket before fitting to the wall.

1. Position radiator against the wall in desired position. Lightly mark position of edges of radiator on the wall. Move radiator and mark 90mm inside the marks. Using a spirit level draw 2 vertical lines the height of the radiator.
2. Offer up bracket to wall at desired height (min 150mm from floor) and mark bracket fixing positions on the drawn vertical line.
3. With a spirit level mark these fixing positions across to the other line.
4. Fit adjustable top section to brackets, do not fully tighten (note: you will not be able to fit this when bracket is fixed to the wall).
5. Drill holes and fix both brackets.
6. Offer up radiator to rest on bottom section of the brackets. Adjust top of bracket to lock the bracket onto the radiator.

## 4. Commission Radiator

**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.**

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## Technical Specifications

<b>Materials</b>	Steel
<b>Connections</b>	½" flow and return.
<b>Test pressure</b>	13 Bar
<b>Testing authority</b>	EN442
<b>Maximum operating pressure</b>	10 Bar
<b>Maximum working temperature</b>	110°C
<b>Packaging</b>	Corrugated cardboard, plastic reinforcing corner covers, polyethylene shrinking foil.

**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. 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.

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 we 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 we are not notified within 28 days of the date on the signed delivery note then it will be deemed that we have fully complied with our 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, we cannot accept responsibility for items damaged after delivery.