

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.

PLEASENOTE: 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 Radiators 4u notified within 28 days of delivery of any scratches, blemishes or other damage. Radiators 4u will then replace the radiator.

Imperfect radiators should therefore not be fitted and Radiators 4u 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 Radiators 4u are not notified within 28 days of the date on the signed delivery note then it will be deemed that Radiators 4u 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. Radiators 4u 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 Radiators 4u.

Trade Essentials Raw®



The Trade Essentials Raw® 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.

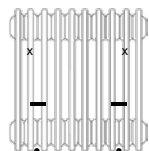


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Diagrams of Trade Essentials Raw®

Suggested Bracket Positions

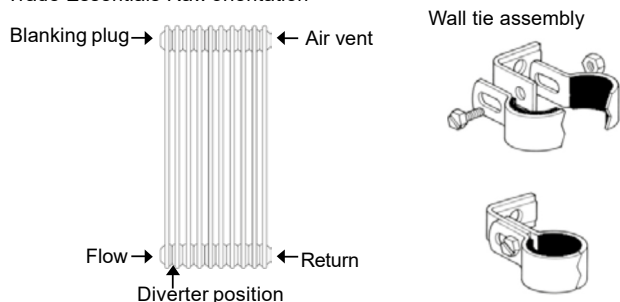


- = typical position for standard wall brackets
- x = typical wall tie positions
- = typical position for cast feet

Wall ties/ Bracketsshould be logically positioned to prevent Trade Essentials Raw from falling awayfrom the wall, usually in line with either wall brackets or feet.

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

Trade Essentials Raw orientation



Pipe Centres

Pipe Centres for Trade Essentials Raws 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 Trade Essentials Raws 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 Trade Essentials Raw with Welded Feet

Trade Essentials Raw supplied with Welded Feet can be securely fixed to the wall 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

Radiators 4u 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. Radiators 4u 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 Divertor
- 4 Bushes
- 1 Manual Air vent
- 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.

Technical Specifications

Materials	Mild Steel.
Connections	1/2" 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.

PLEASENOTE: 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 Radiators 4u notified within 28 days of delivery of any scratches, blemishes or other damage. Radiators 4u will then replace the radiator.

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Trade Essentials Raw[®]

Fittings Instructions



The Trade Essentials Raw[®] Bare Metal Lacquer finish is hand finished and so each radiator is unique.

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



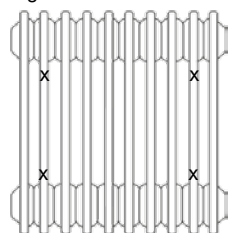
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Diagrams of Trade Essentials Raw®

The correct number of Universal Wall Brackets (which act as wall ties too) are supplied with each order; extra can be ordered if required.

Fig 1 - Bracket Positions



Universal Wall Brackets should be logically positioned to prevent Steel Multi Column radiators from falling away from the wall. If more than 4 brackets have been supplied these should be spaced evenly.

x = typical positions for Universal Wall Brackets (which also act as Wall Ties)

The correct number of Universal Wall Brackets (fig 3) which also act as wall ties with Welded Feet (fig 4) are supplied with each order; extra can be ordered if required.

Fig 2 - Multi Column Orientation

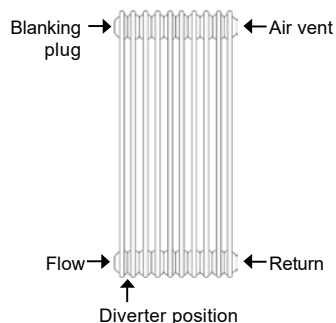


Fig 3 -

Universal Wall Brackets

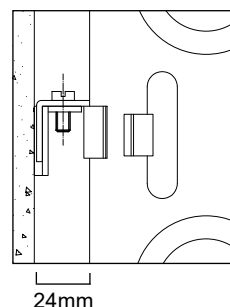
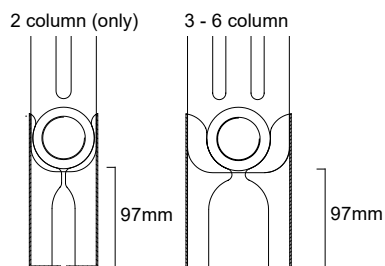


Fig 4 - Welded Feet



Trade Essentials Raw® Lacquer Made to Order radiators with Welded Feet are supplied with the correct number of feet (see 'Contents') additional welded feet cannot be ordered.

Pipe Centres

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

Pipe Centres for Universal Wall

Brackets & Slip on Feet

Pipe centres from wall

2 Column = 56mm

3 Column = 74mm

4 Column = 93mm

5 Column = 112mm

6 Column = 131mm

Pipe Centres for Welded Feet

Trade Essentials Raw's supplied with

Welded Feet can be securely fixed

to the floor, therefore allowing it to

Be positioned anywhere in the room.

1 Unpack & Inspect

All of our products are well packaged & 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 & inspect this radiator & all fittings. Radiators 4u 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

Universal Wall Brackets (wall ties)

We will supply the correct number of universal wall brackets and wall ties with each order; prices for extra brackets & wall ties are available on request

Welded Feet (supplied as per the table below)

No. of Sections	No. of Feet & Wall Ties (Universal Wall Brackets)
Up to 20	2 Feet & 2 Wall Ties (Universal Wall Brackets)
21-39 (odd number of sections)	3 Feet & 3 Wall Ties (Universal Wall Brackets)
22-50 (even number of sections)	4 Feet & 4 Wall Ties (Universal Wall Brackets)
41-49 (odd number of sections)	5 Feet & 5 Wall Ties (Universal Wall Brackets)

Plus 1 Airvent with every radiator plus any additional Universal Wall Brackets if extra have been 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.

3 Orientation continued

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

Universal Wall brackets are typically positioned two or three sections in from either end (please see fig 1). The Universal 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 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 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 fig 2).

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.