Sectional Radiators

Assembly Guide

Positioning radiator sections to be assembled

1. Refer to build guide provided to ensure you have all the correct pieces of the radiator to be joined together.
2. Place the radiator pieces on to a clean flat surface, raised from the floor to ensure any feet are clear from catching the floor.
3. Each radiator is constructed with left and right hand threads on opposing sides. The radiators join together using a dual-threaded nipple that pulls each piece of radiator together.

   The caps placed in the ends of the radiator will indicate thread orientation and which pieces of radiator are to be joined together.

   Red – RIGHT, clockwise to tighten.

   Blue – LEFT, anticlockwise to tighten.

   Place the radiator pieces with RED facing BLUE, these are the pieces that will join together (Figure 1).

   The ends of the radiator will be capped with either a clear or black plug (Figure 2).
4. Remove all caps for the radiators to be joined.

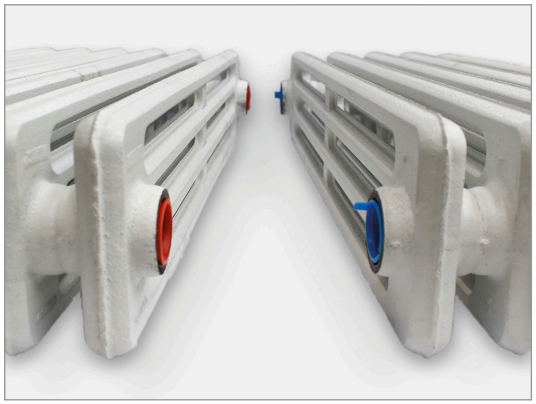


Figure 1

Figure 2

Joining the radiator

1. Ensure the faces to be joined are clean and free of dirt.
2. Place a gasket centrally over both nipples (Figure 4).
3. Insert a nipple with a quarter turn into one of the pieces of radiator to be joined (Figure 3).
4. NOTE - Smooth side of nipple should insert RED capped side (right hand thread), ridged side of nipple should insert BLUE capped side (left hand thread) (Figure 5).
5. Do not apply any joining compounds or paste to the nipple or face of the radiator joint.

Figure 3

Figure 4

Figure 5

Continued on back page

Sectional Radiators

Assembly Guide

Joining the radiator

6. Pull both pieces of radiator together making sure the nipple is now inside each piece (Figure 6).
7. Lay the joining key over the top of the radiator so the head is in line with the central part of the nipple. Mark the key shaft at the end of the radiator, this will guide you to the depth required to catch the internal lugs of the nipple once inserted (Figure 7).
8. Slide the key into the open side of radiator until you reach the key mark made on the shaft.
9. Pulling both pieces of radiator together, beginning rotating each nipple by one turn at a time. Ensure the radiator joins gradually without one side tightening more than the other, until both pieces of radiator meet.
10. Using a large adjustable spanner, tighten the sections together using some body weight to ensure a good connection, being mindful of the gasket so it does not bulge.

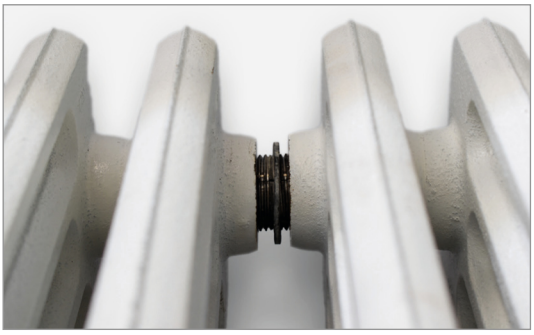


Figure 6

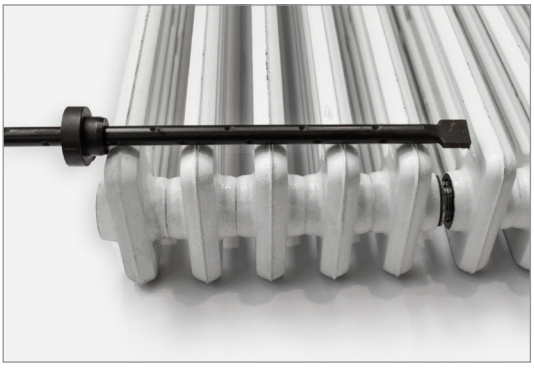


Figure 7

Install reducing bushes

1. Each radiator is supplied with a reducing kit to install at the 4 open ends of the radiator (Figure 8).
2. Attach a gasket to each reducing bush, then fit them into the ends of the radiator, hand tight, being mindful of the thread orientation.

   Reducing bushes marked with ‘L’ or ‘S’ fit onto the left (smooth) side of the nipple, by turning anticlockwise. Reducing bushes marked with ‘R’ or ‘D’ fit onto the right (ridged) side of the nipple by turning clockwise (Figure 9).

Figure 8

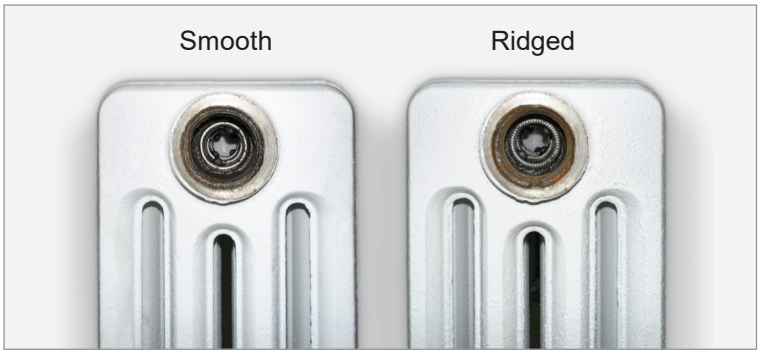


Figure 9

Website: www.radiators4u.co.uk
Telephone Number: 02394 216 216
Sales: eq@radiators4u.co.uk
Customer Services: cs@radiators4u.co.uk

Radiators 4u
Unit 4 - Victory Trading Estate
Kiln Road
Portsmouth - PO3 5LP

Build Guide

Gaskets & Nipples	Radiator Length	= Position of Assembly Join(s)	= Middle sections
2 of each	18 Section	1 2 3 4 5 6 7 8 **9** **10** 11 12 13 14 15 16 17 18	8 8
2 of each	19 Section	1 2 3 4 5 6 7 8 9 **10** **11** 12 13 14 15 16 17 18 19	9 8
2 of each	20 Section	1 2 3 4 5 6 7 8 9 10 **11** **12** 13 14 15 16 17 18 19 20	10 8
2 of each	21 Section	1 2 3 4 5 6 7 8 9 10 **11** **12** 13 14 15 16 17 18 19 20 21	9 9
2 of each	22 Section	1 2 3 4 5 6 7 8 9 10 **11** **12** 13 14 15 16 17 18 19 20 21 22	6 3 3 6
2 of each	23 Section	1 2 3 4 5 6 7 8 9 10 11 **12** **13** 14 15 16 17 18 19 20 21 22 23	10 10
2 of each	24 Section	1 2 3 4 5 6 7 8 9 10 11 **12** **13** 14 15 16 17 18 19 20 21 22 23 24	7 3 3 7
2 of each	25 Section	1 2 3 4 5 6 7 8 9 10 11 12 **13** **14** 15 16 17 18 19 20 21 22 23 24 25	11 11
2 of each	26 Section	1 2 3 4 5 6 7 8 9 10 11 12 13 **14** **15** 16 17 18 19 20 21 22 23 24 25 26	7 5 3 7
2 of each	27 Section	1 2 3 4 5 6 7 8 9 10 11 12 13 14 **15** **16** 17 18 19 20 21 22 23 24 25 26 27	12 1 11
2 of each	28 Section	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 **16** **17** 18 19 20 21 22 23 24 25 26 27 28	8 6 2 8
2 of each	29 Section	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 **17** **18** 19 20 21 22 23 24 25 26 27 28 29	13 2 11
4 of each	30 Section	1 2 3 4 5 6 7 8 9 **10** **11** 12 13 14 15 16 17 18 19 **20** **21** 22 23 24 25 26 27 28 29 30	9 8 9
4 of each	31 Section	1 2 3 4 5 6 7 8 9 **10** **11** 12 13 14 15 16 17 18 19 **20** **21** 22 23 24 25 26 27 28 29 30 31	9 5 4 10
4 of each	32 Section	1 2 3 4 5 6 7 8 9 **10** **11** 12 13 14 15 16 17 18 19 **20** **21** 22 23 24 25 26 27 28 29 30 31 32	9 1 8 10
4 of each	33 Section	1 2 3 4 5 6 7 8 9 10 **11** **12** 13 14 15 16 17 18 19 20 **21** **22** 23 24 25 26 27 28 29 30 31 32 33	10 5 4 11
4 of each	34 Section	1 2 3 4 5 6 7 8 9 10 **11** **12** 13 14 15 16 17 18 19 20 21 **22** **23** 24 25 26 27 28 29 30 31 32 33 34	10 1 8 11
4 of each	35 Section	1 2 3 4 5 6 7 8 9 10 11 **12** **13** 14 15 16 17 18 19 20 21 22 **23** **24** 25 26 27 28 29 30 31 32 33 34 35	11 5 5 11
4 of each	36 Section	1 2 3 4 5 6 7 8 9 10 11 **12** **13** 14 15 16 17 18 19 20 21 22 23 **24** **25** 26 27 28 29 30 31 32 33 34 35 36	11 10 11
6 of each	37 Section	1 2 3 4 5 6 7 8 9 **10** **11** 12 13 14 15 16 17 18 **19** **20** 21 22 23 24 25 26 27 **28** **29** 30 31 32 33 34 35 36 37	9 8 9 8
6 of each	38 Section	1 2 3 4 5 6 7 8 9 **10** **11** 12 13 14 15 16 17 18 19 **20** **21** 22 23 24 25 26 27 28 29 **30** **31** 32 33 34 35 36 37 38	9 2 7 5 4 7
6 of each	39 Section	1 2 3 4 5 6 7 8 9 **10** **11** 12 13 14 15 16 17 18 19 **20** **21** 22 23 24 25 26 27 28 29 **30** **31** 32 33 34 35 36 37 38 39	9 9 10 8
6 of each	40 Section	1 2 3 4 5 6 7 8 9 **10** **11** 12 13 14 15 16 17 18 19 **20** **21** 22 23 24 25 26 27 28 29 **30** **31** 32 33 34 35 36 37 38 39 40	9 3 6 6 3 9

Radiator Types

Classic

Model	Maximum deliverable length
33/4	20
46/4	20
61/4	20
80/4	20
95/4	17

Royal Georgian

Model	Maximum deliverable length
43/2	20
58/2	20
68/2	20
97/2	17
28/4	20
42/4	20
60/4	17
70/4	17
90/4	17
42/6	17
60/6	17

Cast Iron Radiator

Installation Guide

ATTENTION: The connection of this radiator to a central heating system should be carried out by a suitably competent person who is familiar with current regulations.

READ THIS GUIDE BEFORE STARTING INSTALLATION

Handling Advice

Please consider manual handling guidelines when handling the product and ensure the risk of injury to yourself/others or any damage is minimised. Please also carefully read the lifting instructions below.

Assembly Advice

Radiators over a certain length are supplied in multiple lumps for ease of handling. Please refer to the sectional radiator assembly guide provided separately.

Water Treatment

These products are for use on closed heating systems only; they are not suitable for installation on secondary HWS circuits.

On completion of the installation the entire system MUST be thoroughly cleaned and flushed to remove debris/ flux residues etc. If a chemical cleanser is used, it must be thoroughly flushed from the system. Following this, the system MUST be dosed with a good quality water treatment to prevent corrosion. System design, flushing and dosing must be in accordance with BS 7593:2019 and BS EN 12828:2012. Alternatively, the system should be compliant with the criteria defined in VDI 2035.

IMPORTANT: Failure to observe these requirements will render the guarantee on the product void. Corrosion inhibitor must be used in accordance with the manufacturer's instructions and recommendations and should take into account the particular metals within the system.

Cleaning & Aftercare

The external surface of the radiator should be cleaned with mild detergent. No solvents or abrasives should be used.

Painting

Radiators supplied in a 'primer' finish must be coated. Paint types including oil-based, cellulose, 2-pack acrylic and stove enamel are all acceptable. These radiators may have been supplied factory painted in your choice of colour. If so, no further painting or surface treatment is necessary or recommended. Always consult the paint manufacturers guidance & instructions.

Do not powder-coat this product.

Operating Pressure

Maximum 6 bar

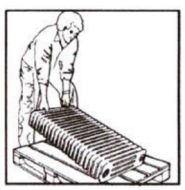
Warranty & Further Information

Our Classic Cast Iron radiators have been designed, manufactured and tested to ensure a long-lasting use. They are guaranteed to be free from material and manufacturing defects for 10 years from date of purchase. Should you require any further information, help or advice, or have any difficulty with these products or their installation and use, please contact our office on:

Telephone Number: 02394 216 216
Sales: eq@radiators4u.co.uk
Customer Services: cs@radiators4u.co.uk

Lifting Instructions

Due to their sectional construction, cast iron radiators must be lifted in the vertical position to prevent any flexing.



DO NOT!
Lift from one end ✗

DO NOT!
Carry radiators flat ✗

ALWAYS!
Lift in centre ✓

ALWAYS!
Keep sections vertical ✓

Continued on back page

Cast Iron Radiator

Installation Guide

Bushes & Washers

Each radiator is supplied with a bush & washers for each of the 4 connections:

- Two ½"BSP threaded bushes for the connection of radiator valves
- One bush for the air vent
- One blank bush

If the bushes are supplied loose they must be fitted to the radiators before installation, please refer to the Sectional Radiators assembly guide.

Use only the gaskets supplied for sealing the bushes, air vents and plugs.

No thread sealant paste or tape should be used on the thread, or face of the bush.

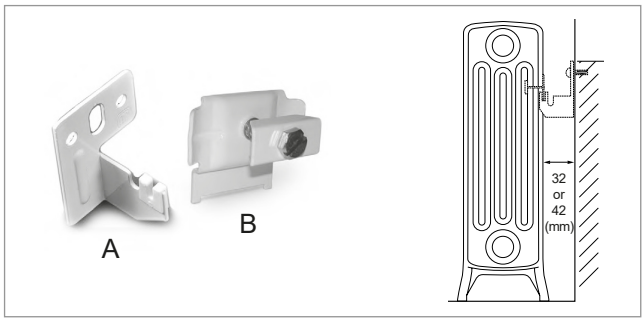
When fitting radiator valves to the left-hand threaded bushes, hold the bushes firmly with a spanner. This will ensure that the bushes are not allowed to rotate and become loosened, thereby preventing the risk of leaking.

NOTE: Bushes with an 'L', or 'S' indicate left hand thread.

It is recommended that the threaded tail pieces of radiators valves or other pipe fittings that are screwed into the bushes are sealed with PTFE thread sealing tape. Sealing compound can also be used but great care must be taken to ensure that there is no contact of the sealing compound onto any of the sealing rings.

Brackets

1. Affix Wall Tie 'A' to required position on wall using suitable fixings (not supplied).
2. Fit Clamp 'B' between columns of the radiator, this will link with the wall bracket and secure lightly.
3. Offer radiator into position, slide clamp piece downward until tongue locates into the wall bracket and then tighten the clamp screw.

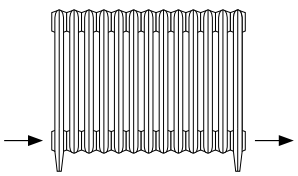


Connection Details

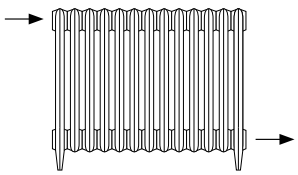
The radiator can be installed with the following connection (inlet & outlet) configurations, referred to by the codes indicated:

NOTE: The radiators are reversible from left to right but are not reversible from top to bottom.

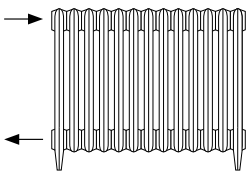
Bottom-Bottom-Opposite-Ends
BBOE



Top-Bottom-Opposite-Ends
TBOE



Top-Bottom-Same-Ends
TBSE



Website: www.radiators4u.co.uk
Telephone Number: 02394 216 216
Sales: eq@radiators4u.co.uk
Customer Services: cs@radiators4u.co.uk

Radiators 4u
Unit 4 - Victory Trading Estate
Kiln Road
Portsmouth - PO3 5LP