

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 refer to the manual handling guidelines that are supplied with this product. This gives important information about the safe lifting of these radiators to minimise risk and damage.

Assembly Advice

Large size radiators may be supplied in sectional form for ease of handling. If this is the case please refer to the site assembly instructions 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 5449: 1990, BS EN 12828: 2003 and BS 7593: 1992

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

If they were supplied in primer finish they can be finish covered with a variety of paint types including water-based, oil-based, cellulose, 2-pack acrylic and stove enamel. 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

These radiators are designed to operate at system pressure of a maximum of 6 bar.

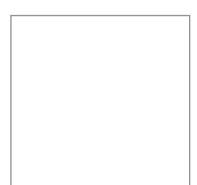
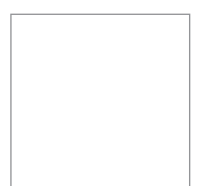
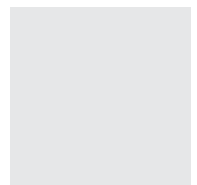
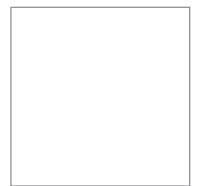
Warranty & further information

These 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 difficulties with these products or their installation and use, please contact our office on:

Tel: **01268 546700** Fax: **01268 888260**

Web: **www.mhsradiators.com**

write to: 3 Juniper West, Fenton Way, Southfields Business Park, Basildon, Essex SS15 6SJ



Bushes & Washers

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



Two 1/2" 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 of the radiators. **Note: two out of the four bushes have left handed threads and must only be fitted into the appropriate ports.**

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

No thread sealant paste or tape must be used on the thread of the bush or seal which mates into the radiator.

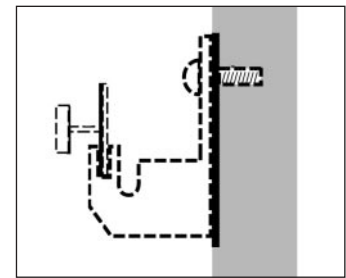
When fitting radiator valves to the left-hand threaded bushes; hold the bushes firmly with a spanner. This will ensure that the bushes are not allowed to rotate and become loosened, thereby preventing the risk of leaking.

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



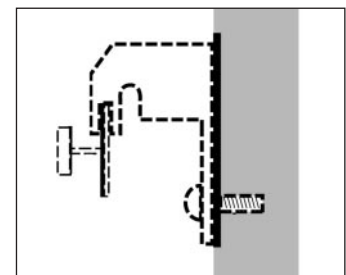
OTU-D2B Longer bolt for Burlington



Wall bracket in normal position

Fit bracket to radiator with curved face touching sections. Substitute the longer bolt supplied loose for the bolt fitted into the bracket upon delivery.

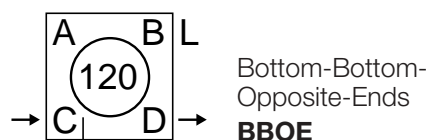
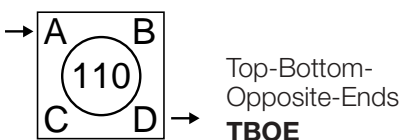
- 1 Affix wall bracket "D2B" to required position on wall using suitable fixing (not supplied).
- 2 Position clamp piece "OTU" between columns of the radiator taking care to locate to allow correct mating with the wall bracket and secure lightly.
- 3 Offer radiator into position, slide clamp piece downward until tongue locates into the wall bracket and then tighten the clamp screw.



Bracket can be mounted inverted to provide security fixing

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.

Sectional Radiators

Assembly Instructions



Please note that these photographs show MHS Clasico radiators, these instructions are also applicable to other MHS sectional type radiators.

1



Place the radiator sections to be joined onto a clean, firm and flat surface, ensuring that the machined faces and internal threads are perfectly flat and clean.

Each radiator section has right and left hand threaded connections on its opposing sides. The nipples also have right and left hand threads. For assembly you will need to identify and match their correct orientations.

For each assembly there are 2 joints to be made. Each joint requires one nipple and one gasket. The nipple key is used to tighten the joint via the indents internally in the nipple.

2



*Note: **Smooth end of nipple = right hand thread**, look into the radiator header, the prior nipples edge will help you orientate your jointing nipple correctly.*

Screw by half to one turn a pair of nipples into one end of the radiator assembly (as above).

Place a gasket over each nipple, approximately at the mid-point of the nipple.

DO NOT apply any jointing paste or tapes (e.g. Boss White, PTFE, hemp etc) to the gasket, threads of the nipples or the bushes of the radiator.

3



Slide the second radiator block up to the nipples, ensuring that the section/thread orientations are all correct.

Lay the nipple key over the top of the radiator so that the head is in line with the indents of the nipple to be turned. Mark the key shaft so that when it is inserted, the head aligns with the indents inside the nipple. Slide the key in from the open end of the waterway until it engages into the lugs of the nipple that is to be tightened.

Pull the section blocks together on initial tightening.

By turning the nipple key, rotate the nipple so that it pulls the two radiator assemblies together.

4



IMPORTANT: At this stage only rotate the nipple by one turn then repeat this operation with the other nipple. Repeat both of these operations in turn, gradually pulling the two radiator assemblies together, ensuring they are pulled up in parallel.

Finally, tighten the joints to fully compress the gaskets.

Minimum final torque Clasico, Burlington, Ionic & Liberty 200Nm Decoral and Multisec 140Nm

Notes: Do not excessively exceed these values. Water test only, do not air test.

Finally firmly tighten all bushes c/w gaskets into the left or right handed threaded ports.