

New Liberty

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 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.

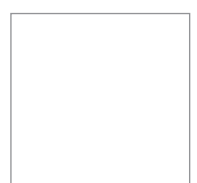
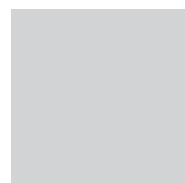
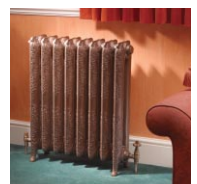
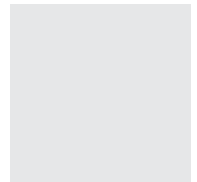
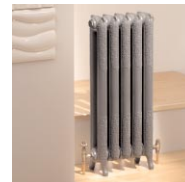
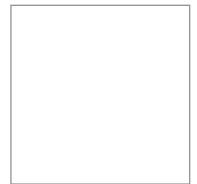
Warranty & further information

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 888250

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.

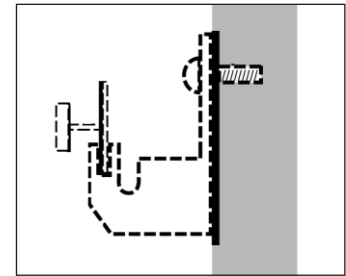
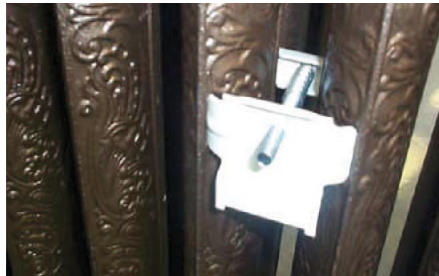
When fitting radiator valves to the left-hand threaded bushes; hold the bushes firmly with a spanner. This will ensure that the bushes are not allowed to rotate and become loosened, thereby preventing the risk of leaking.

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



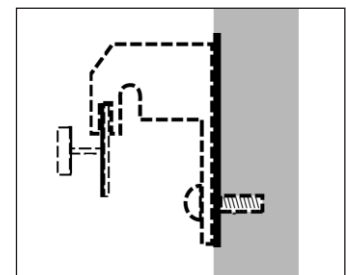
OTU-D2B Longer bolt for New Liberty



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.

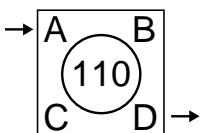
- 1 Affix wall bracket "D2B" to required position on wall using suitable fixing (not supplied).
- 2 Position clamp piece "OTU" between columns of the radiator taking care to locate to allow correct mating with the wall bracket and secure lightly.
- 3 Offer radiator into position, slide clamp piece downward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



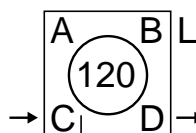
Bracket can be mounted inverted to provide security fixing

Connection Details

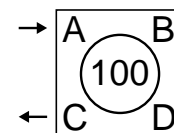
The radiator can be installed with the following connection (inlet & outlet) configurations, referred to by the codes indicated:



Top-Bottom-
Opposite-Ends
TBOE



Bottom-Bottom-
Opposite-Ends
BBOE



Top-Bottom-
Same-Ends
TBSE

Note:

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