

Flex

Installation Guide

MHS
RADIATORS

Main Material of Manufacture - Aluminium

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.

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 if anodised or coloured finish, use surgical spirit if polished. No solvents or abrasives should be used.

Operating Pressure

Maximum 5 bar

Commissioning

The construction of this style of radiator produces a hydraulic resistance a little higher than that found with standard type radiators of a similar output, therefore particular care may be necessary when balancing the heating system to ensure thorough and even heating of this product. Consideration should be given to the selection of the circulation pump with a high head model possibly being necessary.

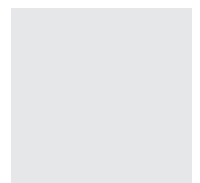
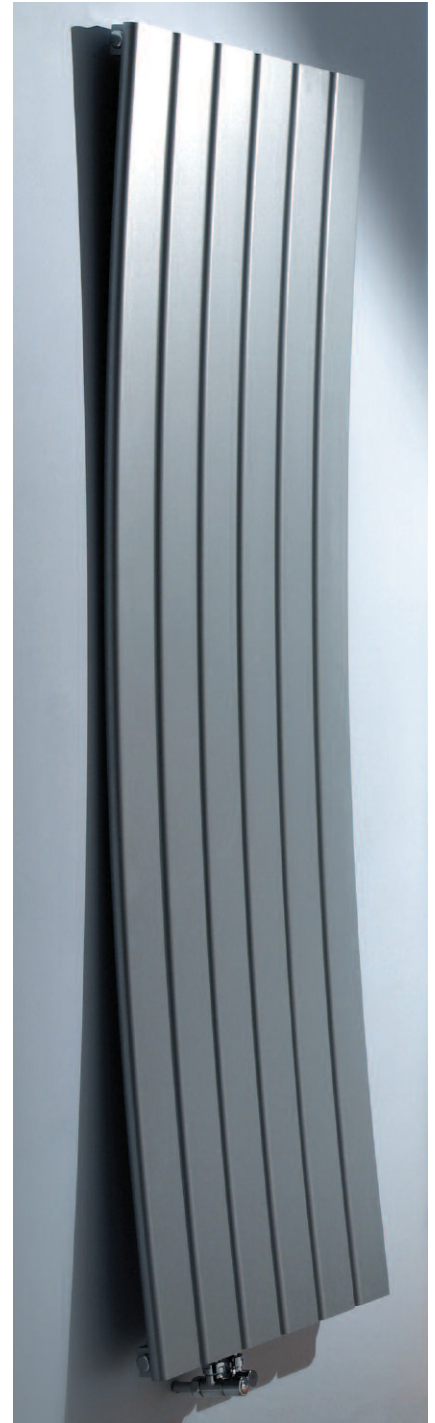
Further Information

These radiators have been designed, manufactured and tested to ensure a long-lasting use. 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:

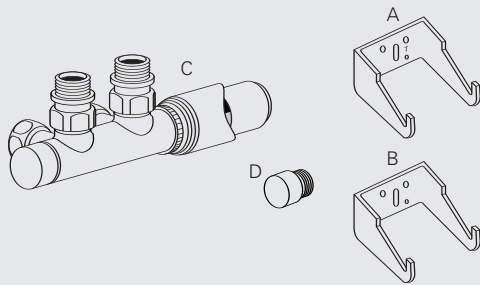
Tel: **01268 546700** Fax: **01268 888250**

Web: **www.mhsradiators.com**

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



Installation Instructions



Installation Accessories:

- A)** Upper Bracket (marked with a "T")
- B)** Lower Bracket
- C)** Optional twin valve assembly
- D)** 1/2" x 1/2" MF adaptor - allows connection of optional twin valve

A: Preparation of radiator

- 1:** If the radiator is to be connected using a TBSE* or TBOE* arrangement, then the baffle plug must be removed from the lower water manifold. Temporarily remove plug "5" and lightly insert a sharp wood screw into the rubber baffle plug located in the manifold and pull out and discard rubber plug. Tightly re-fit plug "5". Rubber plug must not be removed if using bottom opposite end connections.
- 2:** According to water connection arrangement to be used, install radiator valves, plugs and air vents into tappings 1,2,3,4 as appropriate, or install a twin valve "C" (utilising the 1/2" x 1/2" MF adaptors supplied) into tappings in the underside of lower water manifold. Note: This radiator has 6 tappings - ensure that no tappings are left open.

B: Wall Mounting of Radiator

Radiators are supplied with 3Nr wall mounting bracket assemblies. Radiators of 2 & 3 elements require 1 upper and 1 lower bracket. For larger radiators, one extra upper bracket must be fitted.

- 1:** Measure distance from underside to underside of manifolds and note as d1.
- 2:** Make light marks on the wall corresponding to the final installed position of the bottom and left and right hand sides of the radiator.
- 3:** Make a mark referred to as L1 on the wall 28mm below the bottom of radiator mark.
- 4:** Make a mark referred to as L2 on the wall d1mm minus 3mm above L1.
- 5:** Lightly scribe out horizontally level lines at L1 & L2 on the wall at the radiator installation position. These lines indicate the position of the bottom of the wall mounting brackets.
- 6:** Mark fixing points for upper bracket/s (marked with a "T") at line L2, by offering up the bracket/s so that the bottom edge of the bracket backplate corresponds with the line, and that the centre of the bracket is 145mm in from the left hand side of radiator mark for 3 and 4 element models, with another bracket (centre line) 145mm in from the right hand side of radiator mark for larger radiators.

Similarly, mark fixing points for the lower bracket at Line L1, by offering up the bracket so that the bottom edge of the bracket backplate corresponds with the line, ensuring that centre of the backplate is located 145mm in from the right hand side of radiator mark.

- 7:** Using suitable fixings, secure the brackets to the wall.
- 8:** Offer up the radiator and engage the upper and lower manifolds into the cradle notches on the bracket support arms (ensuring support arms are positioned between elements). Note with paint finished radiators, brackets are a very tight fit.

* TBSE = Top & Bottom Same End Connections

* TBOE = Top & Bottom Opposite End Connections

