

Tutto ON (Die-cast Aluminium)

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

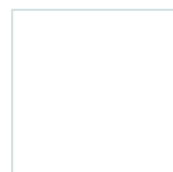
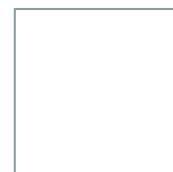
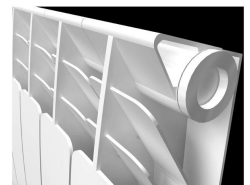
The external surface of the radiator should be cleaned with mild detergent. No solvents or abrasives should be used.

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:



Bushes & Washers



Two 1/2 " BSP threaded bushes with washers for connection of radiator valves



One bush with washer for the air vent



One blank bush with washer



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.

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

Brackets

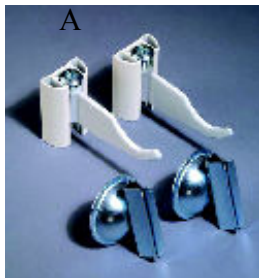


Fig. 1



Fig. 2

To Mount Radiator

- 1 Affix wall bracket 'A' to required position on wall using suitable fixing (not supplied).
- 2 Fix expanding wall spacer to back of radiator as per Fig. 2.
- 3 Offer radiator into position, levelling as necessary using screws into brackets 'A' (Fig. 1).

Optional End Panels



Fig. 3

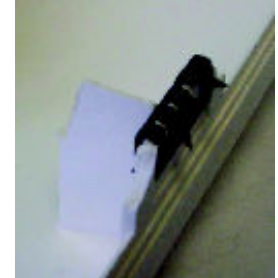


Fig. 4

Optional end panels:

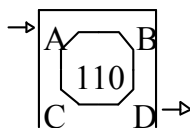
Please note, the end panels cannot be fitted after the radiator has been installed.

These are metal plates and have 4 black 'O' rings to form the seal between the radiator and end panel, these must be applied in conjunction with the application of the bushes.

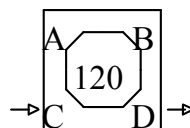
All other end panels are plastic and clip onto the radiators using the metal clips provided, as per Fig. 3&4 above.

Connection Details

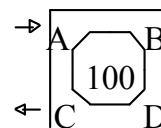
The radiator can be installed with the following connection (inlet & outlet) configurations, referred to by the codes indicated:



Top-Bottom-
Opposite-Ends
TBOE



Bottom-Bottom-
Opposite-Ends
BBOE



Top-Bottom-
Same-Ends
TBSE